

XIII Publications, Presentations

1. Refereed Publications

- Aartsen, M. G., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube, *Phys. Rev. D*, **90**, 102002.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, Gravitational Waves from Known Pulsars: Results from the Initial Detector Era, *ApJ*, **785**, 119.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run, *Classical Quantum Gravity*, **31**, 085014.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors, *Phys. Rev. Lett.*, **112**, 131101.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2015, Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors, *Phys. Rev. D*, **91**, 022003.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations, *Classical Quantum Gravity*, **31**, 115004.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors, *Phys. Rev. D*, **89**, 122004.
- Aasi, J., et al. including **Flaminio, R., Fujimoto, M. K.**: 2014, Search for Gravitational Waves Associated with gamma-ray Bursts Detected by the Interplanetary Network, *Phys. Rev. Lett.*, **113**, 011102.
- Accadia, T., et al. including **Flaminio, R.**: 2014, Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator, *Classical Quantum Gravity*, **31**, 165013.
- Acernese, F., et al. including **Flaminio, R.**: 2015, Advanced Virgo: a second-generation interferometric gravitational wave detector, *Classical Quantum Gravity*, **32**, 024001.
- Acernese, F., et al. including **Flaminio, R.**: 2014, Concepts and research for future detectors Summary of the Amaldi 10 C4 session, *Gen. Relativ. Gravitation*, **46**, 1700.
- Adier, M., et al. including **Akutsu, T.**: 2014, Progress and challenges in advanced ground-based gravitational-wave detectors, *Gen. Relativ. Gravitation*, **46**, 1749.
- Aleman, I., et al. including **Izumiura, H.**: 2014, Herschel Planetary Nebula Survey (HerPlaNS). First detection of OH⁺ in planetary nebulae, *A&A*, **566**, A79.
- Aleman, I., et al. including **Izumiura, H.**: 2014, The Herschel Planetary Nebula Survey (HerPlaNS). I. Data overview and analysis demonstration with NGC 6781, *A&A*, **565**, A36.
- Anderson, C. N., Meier, D. S., Ott, J., Hughes, A., Wong, T., Henkel, C., Chen, R., Indebetouw, R., Looney, L., **Muller, E.**, Pineda, J.L., Seale, J.: 2014, From Gas to Stars in Energetic Environments: Dense Gas Clumps in the 30 Doradus Region within the Large Magellanic Cloud, *ApJ*, **793**, 37.
- Angeloni, R., et al. including **Helminiak, K. G., Tamura, M.**: 2014, The VVV Templates Project Towards an automated classification of VVV light-curves. I. Building a database of stellar variability in the near-infrared, *A&A*, **567**, A100.
- Antolin, P.**, Yokoyama, T., Van Doorslaere, T.: 2014, Fine Strand-like Structure in the Solar Corona from Magnetohydrodynamic Transverse Oscillations, *ApJ*, **787**, L22.
- Aoki, W.**, Suda, T., Beers, T. C., Honda, S.: 2015, High-Resolution Spectroscopy of Extremely Metal-Poor Stars from SDSS/SEGUE. II. Binary Fraction, *AJ*, **149**, 39.
- Aoki, W.**, Tominaga, N., Beers, T. C., Honda, S., Lee, Y. S.: 2014, A chemical signature of first-generation very massive stars, *Science*, **345**, 912.
- Aota, T., **Inoue, T.**, Aikawa, Y.: 2015, Evaporation of Grain-surface Species by Shock Waves in a Protoplanetary Disk, *ApJ*, **799**, 141.
- Argudo-Fernandez, M., Verley, S., Bergond, G., Sulentic, J., Sabater, J., Lorenzo, M. F., **Espada, D.**, Leon, S., Sanchez-Exposito, S., Santander-Vela, J. D., Verdes-Montenegro, L.: 2014, Effects of the environment on galaxies in the Catalogue of Isolated Galaxies: physical satellites and large scale structure, *A&A*, **564**, A94.
- Asahina, Y., Ogawa, T., **Kawashima, T.**, Furukawa, N., Enokiya, R., Yamamoto, H., Fukui, Y., Matsumoto, R.: 2014, Magnetohydrodynamic Simulations of a Jet Drilling an HI Cloud: Shock Induced Formation of Molecular Clouds and Jet Breakup, *ApJ*, **789**, 79.
- Asayama, S., Takahashi, T., Kubo, K., Ito, T., Inata, M., Suzuki, T., Wada, T., Soga, T., Kamada, C., Karatsu, M., Fujii, Y., Obuchi, Y., Kawashima, S., Iwashita, H., Uzawa, Y.**: 2014, Development of ALMA Band 4 (125–163 GHz) receiver, *PASJ*, **66**, 57.
- Balogh, M. L., et al. Including **Tanaka, M.**: 2014, The GEEC2 spectroscopic survey of Galaxy groups at $0.8 < z < 1$, *MNRAS*, **443**, 2679-2694.
- Beck, P. G., et al. including **Kambe, E., Ando, H., Izumiura, H., Koyano, H., Nagayama, S., Shimizu, Y., Okada, N., Okita, K., Sakamoto, A.**: 2015, Detection of solar-like oscillations in the bright red giant stars γ Piscium and θ 1 Tauri from a 190-day high-precision spectroscopic multi-site campaign, *A&A*, **573**, A138.
- Bekki, K., **Tsujimoto, T.**: 2014, Chemical evolution of galaxies with radiation-driven dust wind, *MNRAS*, **444**, 3879-3893.
- Bordoloi, L., et al. including **Tanaka, M.**: 2014, The Dependence of Galactic Outflows on the Properties and Orientation of zCOSMOS Galaxies at $z \sim 1$, *ApJ*, **794**, 130.
- Bothwell, M. S., Wagg, J., Ciccone, C., Maiolino, R., Moller, P., Aravena, M., De Breuck, C., Peng, Y., **Espada, D.**, Hodge, J. A., Impellizzeri, C. M. V., Martin, S., Riechers, D., Walter, F.: 2014, ALLSMOG: an APEX Low-redshift Legacy Survey for MOlecular Gas - I. Molecular gas scaling relations, and the effect of the CO/H₂ conversion factor, *MNRAS*, **445**, 2599-2620.
- Bowler, B. P., Liu, M. C., Shkolnik, E. L., **Tamura, M.**: 2015, Planets around Low-mass Stars (PALMS). IV. The Outer Architecture of M Dwarf Planetary Systems, *ApJS*, **216**, 7.
- Bowler, R. A. A., Dunlop, J. S., McLure, R. J., Rogers, A. B., McCracken, H. J., Milvang-Jensen, B., **Furusawa, H.**, Fynbo, J. P.

- U., Taniguchi, Y., Afonso, J., Bremer, M. N., Le Fevre, O.: 2014, The bright end of the galaxy luminosity function at $z \simeq 7$: before the onset of mass quenching?, *MNRAS*, **440**, 2810-2842.
- Brandt, T., et al. including **Kudo, T., Kusakabe, N., Hashimoto, J., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Ishii, M., Iye, M., Kandori, R., Miyama, S., Morino, J.-I., Nishimura, T., Pyo, T.-S., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takato, N., Terada, H., Tomono, D., Takami, H., Usuda, T., Tamura, M.**: 2014, The Moving Group Targets of the SEEDS High-contrast Imaging Survey of Exoplanets and Disks: Results and Observations from the First Three Years, *ApJ*, **786**, 1.
- Brandt, T., et al. including **Guyon, O., Hashimoto, J., Hayano, Y., Hayashi, M., Hayashi, S., Ishii, M., Iye, M., Kandori, R., Kudo, T., Kusakabe, N., Miyama, S., Morino, J.-I., Nishimura, T., Pyo, T.-S., Suto, H., Suzuki, R., Takato, N., Terada, H., Tomono, D., Takami, H., Usuda, T., Tamura, M.**: 2014, A Statistical Analysis of SEEDS and Other High-contrast Exoplanet Surveys: Massive Planets or Low-mass Brown Dwarfs?, *ApJ*, **794**, 159.
- Brasser, R., Ida, S., **Kokubo, E.**: 2014, A dynamical study on the habitability of terrestrial exoplanets - II. The super Earth HD 40307 g, *MNRAS*, **440**, 3685-3700.
- Brown, M. J. I., Moustakas, J., Smith, J.-D. T., da Cunha, E., Jarrett, T. H., **Imanishi, M.**, Armus, L., Brandl, B. R., Peek, J. E. G.: 2014, An Atlas of Galaxy Spectral Energy Distributions from the Ultraviolet to the Mid-infrared, *ApJS*, **212**, 18.
- Burns, R. A., **Nagayama, T.**, Handa, T., Omodaka, T., Nakagawa, A., Nakanishi, H., **Hayashi, M., Shizugami, M.**: 2014, Trigonometric Distance and Proper Motion of Iras 20056+3350: A Massive Star-forming Region on the solar Circle, *ApJ*, **797**, 39.
- Burns, R. A., Yamaguchi, Y., Handa, T., Omodaka, T., **Nagayama, T.**, Nakagawa, A., **Hayashi, M.**, Kamezaki, T., **Chibueze, J. O., Shizugami, M.**, Nakano, M.: 2014, VLBI observations of H₂O maser annual parallax and proper motion in IRAS 20143+3634: Reflection on the Galactic constants, *PASJ*, **66**, 102.
- Castro, A., Miyaji, T., **Shirahata, M.**, Ichikawa, K., Oyabu, S., Clark, D., **Imanishi, M.**, Nakagawa, T., Ueda, Y.: 2014, AKARI infrared camera observations of the 3.3 μ m PAH feature in Swift/BAT AGNs, *PASJ*, **66**, 110.
- Chen, C. H. R., Indebetouw, R., **Muller, E., Kawamura, A.**, Gordon, K. D., Sewillo, M., Whitney, B. A., Fukui, Y., Madden, S. C., Meade, M. R., Meixner, M., Oliveira, J. M., Robitaille, T. P., Seale, J. P., Shiao, B., van Loon, J. T.: 2014, Spitzer View of Massive Star Formation in the Tidally Stripped Magellanic Bridge, *ApJ*, **785**, 162.
- Chen, X., et al. including **Flaminio, R.**: 2015, Observation of three-mode parametric instability, *Phys. Rev. A*, **91**, 033832.
- Cheoun, M. K., Kim, K. S., Kim, H., So, W. Y., Maruyama, T., **Kajino, T.**: 2015, In-medium effect on the muon-neutrino and anti-muon-neutrino quasi-elastic scattering off a nucleon in ¹²C, *J. Phys. G*, **42**, 045102.
- Chiaki, G., Marassi, S., **Nozawa, T.**, Yoshida, N., Schneider, R., Omukai, K., Limongi, M., Chieffi, A.: 2015, Supernova Dust Formation and the Grain Growth in the Early Universe: The Critical Metallicity for Low-mass Star Formation, *MNRAS*, **446**, 2659-2672.
- Chibueze, J. O.**, Omodaka, T., Handa, T., Imai, H., Kurayama, T., **Nagayama, T., Sunada, K.**, Nakano, M., **Hirota, T., Honma, M.**: 2014, Astrometry and Spatio-kinematics of H₂O Masers in the Massive Star-forming Region NGC 6334I (North) with VERA, *ApJ*, **784**, 114.
- Chibueze, J. O.**, Sakanoue, H., **Nagayama, T.**, Omodaka, T., Handa, T., Kamezaki, T., Burns, R. A., **Kobayashi, H.**, Nakanishi, H., **Honma, M., Ueno, Y.**, Kurayama, T., Matsuo, M., **Sakai, N.**: 2014, Trigonometric parallax of IRAS 22555+6213 with VERA: Three-dimensional view of sources along the same line of sight, *PASJ*, **66**, 104.
- Chou, T.-L., Takakuwa, S., Yen, H.-W., **Ohashi, N.**, Ho, P. T. P.: 2014, Transition from the Infalling Envelope to the Keplerian Disk around L1551 IRS 5, *ApJ*, **796**, 70.
- Chitsazzadeh, S., Di Francesco, J., Schnee, S., Friesen, R. K., Shimajiri, Y., Langston, G. I., Sadavoy, S. I., Bourke, T. L., Keto, E. R., Pineda, J. E., Takakuwa, S., **Tatematsu, K.**: 2014, Physical and Chemical Characteristics of L1689-SMM16, an Oscillating Prestellar Core in Ophiuchus, *ApJ*, **790**, 129.
- Currie, T.**, Burrows, A., Girard, J. H., Cloutier, R., Fukagawa, M., Sorahana, S., Kuchner, M., Kenyon, S. J., Madhusudhan, N., Itoh, Y., Jayawardhana, R., Matsumura, S., **Pyo, T.-S.**: 2014, Deep Thermal Infrared Imaging of HR 8799 bcd: New Atmospheric Constraints and Limits on a Fifth Planet, *ApJ*, **795**, 133.
- Currie, T.**, et al. including **Kudo, T., Kandori, R., Kusakabe, N., Morino, J.-i., Nishikawa, J., Pyo, T.-S., Tamura, M.**: 2014, Recovery of the Candidate Protoplanet HD 100546 b with Gemini/NICI and Detection of Additional (Planet-induced?) Disk Structure at Small Separations, *ApJ*, **796**, L30.
- Dannerbauer, H., et al. including **Tanaka, M., Kodama, T.**: 2014, An excess of dusty starbursts related to the Spiderweb galaxy, *A&A*, **570**, A55.
- De Moortel, I., **Antolin, P.**, Van Doorselaere, T.: 2015, Observational Signatures of Waves and Flows in the Solar Corona, *Sol. Phys.*, **290**, 399-421.
- Degallaix, J., et al. including **Flaminio, R.**: 2014, Measurement of the optical absorption of bulk silicon at cryogenic temperature and the implication for the Einstein Telescope, *Classical Quantum Gravity*, **31**, 185010.
- Delaye, L., et al. including **Tanaka, M.**: 2014, Larger sizes of massive quiescent early-type galaxies in clusters than in the field at $0.8 < z < 1.5$, *MNRAS*, **441**, 203-223.
- Dergachev, V., DeSalvo, R., Asadoor, M., Bhawal, A., Gong, P., Kim, C., Lottarini, A., Minenkov, Y., Murphy, C., O'Toole, A., **Peña Arellano, F. E.**, Rodionov, A. V., Shaner, M., Sobacchi E.: 2014, A high precision, compact electromechanical ground rotation sensor, *Rev. Sci. Instrum.*, **85**, 054502.
- Dobashi, K., Matsumoto, T., Shimoikura, T., **Saito, H.**, Akisato, K., Ohashi, K., Nakagomi, K.: 2014, Colliding Filaments and a Massive Dense Core in the Cygnus OB 7 Molecular Cloud, *ApJ*, **797**, 58.
- Doi, A., Wajima, K., **Hagiwara, Y.**, Inoue, M.: 2015, A Fanaroff-Riley Type I Candidate in Narrow-Line Seyfert 1 Galaxy Mrk 1239, *ApJ*, **798**, L30.
- Eda, K., Shoda, A., Itoh, Y., **Ando, M.**: 2014, Improving parameter estimation accuracy with torsion-bar antennas, *Phys. Rev. D*, **90**, 064039.
- Elias, A. G., de Haro Barbas, B. F., **Shibasaki, K.**, Souza, J. R.: 2014, Effect of Solar Cycle 23 in foF2 Trend Estimation, *Earth Planets Space*, **66**, 111.
- Erfanianfar, G., et al. Including **Tanaka, M.**: 2014, The evolution of star formation activity in galaxy groups, *MNRAS*, **445**, 2725-2745.
- Ermolli, I., **Shibasaki, K.**, Tlatov, A., van Driel-Gesztelyi, L.: 2014, Solar Cycle Indices from the Photosphere to the Corona: Measurements and Underlying Physics, *Space Sci. Rev.*, **186**, 105.
- Famiano, M. A., Boyd, R. N., **Kajino, T.**, Onaka, T., Koehler K., Hulbert,

- S.: 2014, Determining Amino Acid Chirality in the Supernova Neutrino Processing Model, *Symmetry*, **6**, 909-925.
- Ferré-Mateu, A., Sanchez-Blazquez, P.,** Vazdekis, A., de la Rosa, I. G.: 2014, A tale of a rich cluster at $z \sim 0.8$ as seen by the Star Formation Histories of its ETGs, *ApJ*, **797**, 136.
- Folatelli, G., Bersten, M. C., Benvenuto, O. G., van Dyk, S. D., Kuncarayakti, H., Maeda, K., **Nozawa, T.**, Nomoto, K., Hamuy, M., Quimby, R. M.: 2014, A Blue Point Source at the Location of Supernova 2011dh, *ApJ*, **793**, L22.
- Follette, Katherine B., et al. including **Kudo, T., Kusakabe, N., Hashimoto, J., Akiyama, E., Currie, T., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Ishii, M., Iye, M., Kandori, R., Miyama, S., Morino, J., Nishimura, T., Pyo, T.-S., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takato, N., Terada, H., Tomono, D., Takami, H., Usuda, T., Tamura, M.**: 2015, SEEDS Adaptive Optics Imaging of the Asymmetric Transition Disk Oph IRS 48 in Scattered Light, *ApJ*, **798**, 132.
- Foster, J. B., Arce, H. G., Kassis, M., **Sanhueza, P.**, Jackson, J. M., Finn, S. C., Offner, S., Sakai, T., Sakai, N., Yamamoto, S., Guzman, A. E., Rathborne, J. M.: 2014, Distributed Low-mass Star Formation in the IRDC G34.43+00.24, *ApJ*, **791**, 108.
- Fujii, K., Minamidani, T., Mizuno, N., Onishi, T., Kawamura, A., Muller, E., Dawson, J., Tatematsu, K., Hasegawa, T., Tosaki, T., Miura, R. E., Muraoka, K., Sakai, T., Tsukagoshi, T., Tanaka, K., Ezawa, H., Fukui, Y.**: 2014, Dense Molecular Clumps Associated with the LMC Supergiant Shells LMC 4 & LMC 5, *ApJ*, **796**, 123.
- Fujimoto, K.**: 2014, Wave activities in separatrix regions of magnetic reconnection, *Geophys. Res. Lett.*, **41**, 2721-2728.
- Fujisawa, K., Aoki, N., Nagadomi, Y., Kimura, S., Shimomura, T., Takase, G., Sugiyama, K., Motogi, K., Niinuma, K., **Hirota, T., Yonekura, Y.**: 2014, Observations of the bursting activity of the 6.7 GHz methanol maser in G33.641-0.228, *PASJ*, **66**, 109.
- Fujisawa, K., et al. including **Sawada-Satoh, S., Matsumoto, N., Kobayashi, H., Shibata, K. M., Honma, M., Hirota, T.**: 2014, Observations of 6.7 GHz methanol masers with East-Asian VLBI Network. I. VLBI images of the first epoch of observations, *PASJ*, **66**, 31.
- Fujisawa, K., Takase, G., Kimura, S., Aoki, N., Nagadomi, Y., Shimomura, T., Sugiyama, K., Motogi, K., Niinuma, K., **Hirota, T., Yonekura, Y.**: 2014, Periodic flare of the 6.7-GHz methanol maser in IRAS 22198+6336, *PASJ*, **66**, 78.
- Fukui, A., et al. including **Narita, N., Onitsuka, M., Baba, H., Ryu, T., Tamura, M., Yanagisawa, K., Izumiura, H.**: 2014, Multi-band, Multi-epoch Observations of the Transiting Warm Jupiter WASP-80b, *ApJ*, **790**, 108.
- Fukui, Y., Okamoto, R., Kaji, R., Yamamoto, H., Torii, K., Hayakawa, T., Tachihara, K., Dickey, J. M., **Okuda, T., Ohama, A., Kuroda, Y., Kuwahara, T.**: 2014, HI, CO, and PLANCK/IRAS Dust Properties in the High Latitude Cloud Complex, MBM 53, 54, 55 and HLCG 92-35. Possible Evidence for an Ossib Possible Evidence for an Optically Thick Hi Envelope around the CO Clouds, *ApJ*, **796**, 59.
- Fukushima, T.**: 2014, Prolate spheroidal harmonic expansion of gravitational field, *AJ*, **147**, 152.
- Fukushima, T.**: 2014, Analytical computation of generalized Fermi-Dirac integrals by truncated Sommerfeld expansions, *Appl. Math. Comp.*, **234**, 417-433.
- Fukushima, T.**: 2014, Computation of a general integral of Fermi-Dirac distribution by McDougall-Stoner method, *Appl. Math. Comp.*, **238**, 485-510.
- Fukushima, T.**: 2015, Precise and fast computation of inverse Fermi-Dirac integral of order 1/2 by minimax rational function approximation, *Appl. Math. Comp.*, **259**, 698-707.
- Fukushima, T.**: 2015, Precise and fast computation of Fermi-Dirac integral of integer and half integer order by piecewise minimax rational approximation, *Appl. Math. Comp.*, **259**, 708-729.
- Fukushima, T.**: 2015, Precise and fast computation of complete elliptic integrals by piecewise minimax rational function approximation, *J. Comp. Appl. Math.*, **282**, 71-76.
- Furuya, R. S., Kitamura, Y., **Shinnaga, H.**: 2014, A Dynamically Collapsing Core and a Precursor of a Core in a Filament Supported by Turbulent and Magnetic Pressures, *ApJ*, **793**, 94.
- Ge, J. X., He, J. H., Chen, X., **Takahashi, S.**: 2014, Early-stage star-forming cloud cores in Galactic Legacy Infrared Mid-Plane Survey (GLIMPSE) extended green objects (EGOs) as traced by organic species, *MNRAS*, **445**, 1170-1185.
- Giles, P. A., Maughan, B. J., **Hamana, T., Miyazaki, S.**, Birkinshaw, M., Ellis, R. S., Massey, R.: 2015, The X-ray properties of weak-lensing-selected galaxy clusters, *MNRAS*, **447**, 3044-3059.
- Gonzalez, A., Soma, T., Shiino, T., Kaneko, K., Uzawa, Y., Yamamoto, S.**: 2014, Optics characterization of a 900-GHz HEB receiver for the ASTE telescope: design, measurements and tolerance analysis, *J. Infrared Millimeter Terahertz Waves*, **35**, 743-758.
- Gordon, K. D., et al. including **Kawamura, A.**: 2014, Dust and Gas in the Magellanic Clouds from the Heritage Herschel Key Project. I. Dust Properties and Insights into the Origin of the Submillimeter Excess Emission, *ApJ*, **797**, 85.
- Gošić, M., Bellot Rubio, L. R., Orozco Suárez, D., **Katsukawa, Y., del Toro Iniesta, J. C.**: 2014, The Solar Internetwork. I. Contribution to the Network Magnetic Flux, *ApJ*, **797**, 49.
- Goto, M., Geballe, T. R., Indriolo, N., Yusef-Zadeh, F., **Usuda, T., Henning, Th., Oka, T.**: 2014, Infrared H_3^+ and CO Studies of the Galactic Core: GCIRS 3 and GCIRS 1W, *ApJ*, **786**, 96.
- Gozaliasl, G., et al. including **Tanaka, M.**: 2014, Mining the gap: evolution of the magnitude gap in X-ray galaxy groups from the 3-square-degree XMM coverage of CFHTLS, *A&A*, **566**, A140.
- Grady, C., et al. including **Hashimoto, J., Kotani, T., Kusakabe, N., Kudo, T., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Ishii, M., Iye, M., Kandori, R., Miyama, S., Morino, J.-I., Nishimura, T., Pyo, T.-S., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y. H., Takato, N., Terada, H., Tomono, D., Takami, H., Usuda, T., Tamura, M.**: 2015, The outer disks of Herbig stars from the UV to NIR, *Astrophys. Space Sci.*, **355**, 253.
- Granata, M., et al. including **Flaminio, R.**: 2015, Internal Friction and Young's Modulus Measurements on SiO₂ and Ta₂O₅ Films Done with an Ultra-high Q Silicon-wafer Suspension, *Arch. Metall. Mater.*, **60**, 365-370.
- Gross, S., **Jovanovic, N., Sharp, A., Ireland, M., Lawrence, J., Withford, M. J.**: 2015, Low loss mid-infrared ZBLAN waveguides for future astronomical applications, *Opt. Express*, **23**, 7946-7956.
- Guzman, A. E., Garay, G., Rodriguez, L. F., Moran, J., Brooks, K. J., Bronfman, L., Nyman, L. A., **Sanhueza, P., Mardones, D.**: 2014, The Slow Ionized Wind and Rotating Disklike System That Are Associated with the High-mass Young Stellar Object

G345.4938+01.4677, *ApJ*, **796**, 117.

- Hada, K.**, et al. including **Nagai, H.**, **Honma, M.**, **Sawada-Satoh, S.**: 2014, A Strong Radio Brightening at the Jet Base of M 87 during the Elevated Very High Energy Gamma-Ray State in 2012, *ApJ*, **788**, 165.
- Hanaoka, Y.**, Nakazawa, J., **Ohgoe, O.**, Sakai, Y., Shiota, K.: 2014, Coronal Mass Ejections Observed at the Total Solar Eclipse on 13 November 2012, *Sol. Phys.*, **289**, 2587-2599.
- Hanawa, T., **Tomisaka, K.**: 2015, Structure and Stability of Filamentary Clouds Supported by Lateral Magnetic Field, *ApJ*, **801**, 11.
- Harada, Y., Goossens, S., **Matsumoto, K.**, Yan, J., Ping, J., **Noda, H.**, Haruyama, J.: 2014, Strong tidal heating in an ultralow-viscosity zone at the core–mantle boundary of the Moon, *Nat. Geosci.*, **7**, 569-572.
- Hasegawa, S., Miyasaka, S., Mito, H., Sarugaku, Y., Ozawa, T., **Kuroda, D.**, Nishihara, S., Harada, A., Yoshida, M., **Yanagisawa, K.**, **Shimizu, Y.**, **Nagayama, S.**, **Toda, H.**, **Okita, K.**, Kawai, N., Mori, M., Sekiguchi, T., Ishiguro, M., Abe, T., Abe, M.: 2014, Lightcurve survey of V-type asteroids in the inner asteroid belt, *PASJ*, **66**, 54.
- Hasegawa, S., Miyasaka, S., Tokimasa, N., Sogame, A., Ibrahimov, M. A., **Yoshida, F.**, **Ozaki, S.**, Abe, M., Ishiguro, M., **Kuroda, D.**: 2014, The opposition effect of the asteroid 4 Vesta, *PASJ*, **66**, 89.
- Hasegawa, Y.**, Tsuribe, T.: 2014, Kelvin-Helmholtz instabilities in multi-sized dust layers, *PASJ*, **66**, L2.
- Hashimoto, J., et al. including **Ohashi, N.**, **Kudo, T.**, **Kusakabe, N.**, **Guyon, O.**, **Hayano, Y.**, **Hayashi, M.**, **Hayashi, S.**, **Ishii, M.**, **Iye, M.**, **Kandori, R.**, **Miyama, S.**, **Morino, J.-I.**, **Nishimura, T.**, **Pyo, T.-S.**, **Suenaga, T.**, **Suto, H.**, **Suzuki, R.**, **Takahashi, Y.**, **Takato, N.**, **Terada, H.**, **Tomono, D.**, **Takami, H.**, **Usuda, T.**, **Tamura, M.**: 2015, The Structure of Pre-transitional Protoplanetary Disks. II. Azimuthal Asymmetries, Different Radial Distributions of Large and Small Dust Grains in PDS 70, *ApJ*, **799**, 43.
- Hatsukade, B.**, Ohta, K., Endo, A., **Nakanishi, K.**, Tamura, Y., Hashimoto, T., Kohno, K.: 2014, Two gamma-ray bursts from dusty regions with little molecular gas, *Nature*, **510**, 247-249.
- Hayashi, M.**, **Kodama, T.**, **Koyama, Y.**, **Tadaki, K.**, **Tanaka, I.**, **Shimakawa, R.**, **Matsuda, Y.**, Sobral, D., Best, P. N., Smail, I.: 2014, Mapping the large-scale structure around a $z = 1.46$ galaxy cluster in 3D using two adjacent narrow-band filters, *MNRAS*, **439**, 2571-2583.
- Helminiak, K. G.**, Brahm, R., Ratajczak, M., Espinoza, N., Jordán, A., Konacki, M., Rabus, M.: 2014, Orbital and physical parameters of eclipsing binaries from the All-Sky Automated Survey catalogue. VI. AK Fornacis: a rare, bright K-type eclipsing binary, *A&A*, **567**, A64.
- Henderson, C. B., et al. including **Ohnishi, K.**: 2014, Candidate Gravitational Microlensing Events for Future Direct Lens Imaging, *ApJ*, **794**, 71.
- Henkel, C., Asiri, H., **Ao, Y.**, Aalto, S., Danielson, A. L. R., Papadopoulos, P. P., Garcia-Burillo, S., Aladro, R., Impellizzeri, C. M. V., Mauersberger, R., Martin, S., Harada, N.: 2014, Carbon and oxygen isotope ratios in starburst galaxies: New data from NGC 253 and Mrk 231 and their implications, *A&A*, **565**, A3.
- Higuchi, A. E.**, **Chibueze, J. O.**, Habe, A., Takahira, K., **Takano, S.**: 2014, ALMA View of G0.253+0.016: Can Cloud-Cloud Collision from the Cloud?, *AJ*, **147**, 141.
- Higuchi, A. E.**, **Saigo, K.**, **Chibueze, J. O.**, **Sanhueza, P.**, Takakuwa, S., Garay, G.: 2015, IRAS 16547-4247: A New Candidate of a Protocluster Unveiled with ALMA, *ApJ*, **798**, L33.
- Hirano, T., Masuda, K., Sato, B., Benomar, O., **Takeda, Y.**, **Omiya, M.**, **Harakawa, H.**, Kobayashi, A.: 2015, Global Analysis of KOI-977: Spectroscopy, Asteroseismology, and Phase-curve Analysis, *ApJ*, **799**, 9.
- Hirashita, H., Asano, R. S., **Nozawa, T.**, Li, Z.-Y., Liu, M.-C.: 2014, Dense Molecular Cloud Cores as a Source of Micrometer-Sized Grains in Galaxies, *Planet. Space Sci.*, **100**, 40-45.
- Hirose, E., Sekiguchi, T., Kumar, R., **Takahashi, R.**: 2014, Update on the development of cryogenic sapphire mirrors and their seismic attenuation system for KAGRA, *Classical Quantum Gravity*, **31**, 224004.
- Hirose, E., Craig, K., Ishitsuka, H., Martin, I. W., Mio, N., Moriwaki, S., Murray, P. G., Ohashi, M., Rowan, S., Sakakibara, Y., Suzuki, T., **Waseda, K.**, Watanabe, K., Yamamoto, K.: 2014, Mechanical loss of a multilayer tantalum/silica coating on a sapphire disk at cryogenic temperatures: Toward the KAGRA gravitational wave detector, *Phys. Rev. D*, **90**, 102004.
- Hirota, A.**, **Kuno, N.**, Baba, J., Egusa, F., Habe, A., Muraoka, K., Tanaka, A., Nakanishi, H., **Kawabe, R.**: 2014, Wide-Field ^{12}CO ($J=1-0$) Imaging of the Nearby Barred Galaxy M83 with NMA and Nobeyama 45 m Telescope: Molecular Kinematics and Star Formation Along the Bar, *PASJ*, **66**, 46.
- Hirota, T.**, Kim, M. K., **Kurono, Y.**, **Honma, M.**: 2015, ALMA Imaging of Millimeter/Submillimeter Continuum Emission in Orion KL, *ApJ*, **801**, 82.
- Hirota, T.**, Tsuboi, M., **Kurono, Y.**, Fujisawa, K., **Honma, M.**, Kim, M. K., Imai, H., Yonekura, Y.: 2014, VERA and ALMA observations of the H₂O supermaser burst in Orion KL, *PASJ*, **66**, 106.
- Honma, M.**, Akiyama, K., Uemura, M., Ikeda, S.: 2014, Super-resolution imaging with radio interferometry using sparse modeling, *PASJ*, **66**, 95.
- Hori, T., Ueda, Y., **Shidatsu, M.**, Kawamuro, T., Kubota, A., Done, C., Nakahira, S., Tsumura, K., **Shirahata, M.**, Nagayama, T.: 2014, SUZAKU Observation of the Black Hole Binary 4U 1630-47 in the Very High State, *ApJ*, **790**, 20.
- Horiuchi, S., Nakamura, K., Takiwaki, T., **Kotake, K.**, **Tanaka M.**: 2014, The red supergiant and supernova rate problems: implications for core-collapse supernova physics, *MNRAS*, **445**, L99-L103.
- Ichikawa, K., **Imanishi, M.**, Ueda, Y., Nakagawa, T., **Shirahata, M.**, Kaneda, H., Oyabu, S.: 2014, AKARI IRC 2.5-5 μm Spectroscopy of Infrared Galaxies over a Wide Luminosity Range, *ApJ*, **794**, 139.
- Imamura, T., Tokumaru, M., Isobe, H., Shiota, D., Ando, H., Miyamoto, M., Toda, T., Hausler, B., Patzold, M., Nabatov, A., Asai, A., **Yaji, K.**, Yamada, M., Nakamura, M.: 2014, Outflow structure of the quiet Sun corona probed by spacecraft radio scintillations in strong scattering, *ApJ*, **788**, 117.
- Imanishi, M.**, **Nakanishi, K.**: 2014, ALMA Observations of Nearby Luminous Infrared Galaxies with Various AGN Energetic Contributions Using Dense Gas Tracers, *AJ*, **148**, 9.
- Inoue, A. K., Shimizu, I., **Iwata, I.**, **Tanaka, M.**: 2014, An updated analytic model for attenuation by the intergalactic medium, *MNRAS*, **442**, 1805-1820.
- Ishiguro, M., Jewitt, D., **Hanayama, H.**, Usui, F., Sekiguchi, T., **Yanagisawa, K.**, **Kuroda, D.**, Yoshida, M., Ohta, K., Kawai, N., **Miyaji, T.**, **Fukushima, H.**, **Watanabe, J.**: 2014, Outbursting Comet P/2010 V1 (Ikeya-Murakami): A Miniature Comet Holmes, *ApJ*, **787**, 55.
- Ishiguro, M., et al. including **Kuroda, D.**, **Hanayama, H.**, **Sekiguchi, K.**, **Yanagisawa, K.**, **Miyaji, T.**, **Fukushima, H.**, **Watanabe, J.**: 2015, Dust from Comet 209P/LINEAR during its 2014 Return: Parent Body of a New Meteor Shower, the May Camelopardalids, *ApJ*, **798**, L34.

- Ishiguro, M., et al. including **Kuroda, D., Hanayama, H.**: 2014, Optical Properties of (162173) 1999 JU3: In Preparation for the JAXA Hayabusa 2 Sample Return Mission, *ApJ*, **792**, 74.
- Ishikawa, R.**, Asensio Ramos, A., Belluzzi, L., Manso Sainz, R., Štěpán, J., Trujillo Bueno, J., **Goto, M.**, Tsuneta, S.: 2014, On the Inversion of the Scattering Polarization and the Hanle Effect Signals in the Hydrogen Ly α Line, *ApJ*, **787**, 159.
- Ishikawa, R.**, Narukage, N., Kubo, M., **Ishikawa, S.**, Kano, R., Tsuneta, S.: 2014, Strategy for Realizing High-Precision VUV Spectro-Polarimeter, *Sol. Phys.*, **289**, 4727-4747.
- Ishikawa, S.**, Glesener, L., Christe, S., Ishibashi, K., Brooks, D. H., Williams, D. R., **Shimojo, M.**, Sako, N., Krucker, S.: 2014, Constraining Hot Plasma in a Non-Flaring Solar Active Region with FOXSI hard X-ray Observations, *PASJ*, **66**, S15.
- Itoh, R., et al. including **Hanayama, H., Hayashi, M., Izumiura, H., Kinugasa, K., Kuroda, D., Miyaji, T., Sekiguchi, K.**: 2014, Variable Optical Polarization During High State in Gamma-Ray Loud Narrow Line Seyfert 1 Galaxy 1H 0323+342, *PASJ*, **66**, 108.
- Itoh, Y., et al. including **Kudo, T., Kusakabe, N., Hashimoto, J., Guyon, O., Hayano, Y., Hayashi, M., Hayashi, S., Ishii, M., Iye, M., Kandori, R., Miyama, S., Morino, J., Nishimura, T., Pyo, T.-S., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takato, N., Terada, H., Tomono, D., Takami, H., Usuda, T., Tamura, M.**: 2014, Near-infrared polarimetry of the GG Tauri A binary system, *Res. Astron. Astrophys.*, **14**, 1438-1446.
- Iwai, K.**, Miyoshi, Y., Masuda, S., Tsuchiya, F., Morioka, A., Misawa, H.: 2014, Spectral Structures and Their Generation Mechanisms for Solar Radio Type-I Bursts, *ApJ*, **789**, 4.
- Iwai, K., Shibasaki, K.**, Nozawa, S., Takahashi, T., Sawada, S., Kitagawa, J., Miyawaki, S., Kashiwagi, H.: 2014, Coronal vector magnetic field and the plasma beta determined from radio and multiple satellite observations, *Earth Planets Space*, **66**, 149.
- Izumi, N.**, Kobayashi, N., Yasui, C., Tokunaga, A. T., **Saito, M.**, Hamano, S.: 2014, Discovery of Star Formation in the Extreme Outer Galaxy Possibly Induced by a High-velocity Cloud Impact, *ApJ*, **795**, 66.
- Judge, P. G., Kleint, L., Uitenbroek, H., Rempel, M., **Suematsu, Y.**, Tsuneta, S.: 2015, Photon mean free paths, scattering, and ever-increasing telescope resolution, *Sol. Phys.*, **290**, 979-996.
- Kaithakkal, A. J., Suematsu, Y., Kubo, M.**, Iida, Y., Shiota, D., Tsuneta, S.: 2015, Photospheric Flow Field Related to the Evolution of the Sun's Polar Magnetic Patches Observed by Hinode Solar Optical Telescope, *ApJ*, **799**, 139.
- Kajino, T.**, Mathews, G. J., Hayakawa, T.: 2014, Neutrinos in Core-Collapse Supernovae and Nucleosynthesis, *J. Phys. G*, **41**, 044007.
- Kamezaki, T., Imura, K., Omodaka, T., Handa, T., Tsuboi, Y., **Nagayama, T., Hirota, T., Sunada, K., Kobayashi, H., Chibueze, J. O.**, Kawai, E., Nakano, M.: 2014, Annual Parallax Determination toward a New X-Ray-emitting Class 0 Candidate with the Water Maser in the NGC 2264 Star-forming Region, *ApJS*, **211**, 18.
- Kamezaki, T., Kurayama, T., Nakagawa, A., Handa, T., Omodaka, T., **Nagayama, T., Kobayashi, H., Shizugami, M.**: 2014, Annual parallax measurements of a semi-regular variable star, RW Leporis, *PASJ*, **66**, 107.
- Karatsu, K.**, et al. including **Dominjon, A., Kiuchi, H., Naruse, M., Nitta, T., Noguchi, T., Sekimoto, Y.**: 2015, Development of Microwave Kinetic Inductance Detector for Cosmological Observations, *IEICE Trans. Electron.*, **98-C**, 207-218.
- Karatsu, K.**, Naruse, M., **Nitta, T.**, Sekine, M., Sekiguchi, S., **Sekimoto, Y., Noguchi, T., Uzawa, Y., Matsuo, H., Kiuchi, H.**: 2014, Measurement of MKID Performance with High-Speed and Wide-Band Readout System, *J. Low Temp. Phys.*, **176**, 459-464.
- Karouzos, M., et al. including **Kim, J. H.**: 2014, The Infrared Medium-Deep Survey. II. How to Trigger Radio AGNs? Hints from their Environments, *ApJ*, **797**, 26.
- Karouzos, M., et al. including **Kim, J. H.**: 2014, A Tale of Two Feedbacks: Star Formation in the Host Galaxies of Radio AGNs, *ApJ*, **784**, 137.
- Kashikawa, N., Ishizaki, Y., Willott, C., Onoue, M., Im, M., Furusawa, H., Toshikawa, J.**, Ishikawa, S., **Niino, Y.**, Shimasaku, K., Ouchi, M., Hibon, P.: 2015, The Subaru High- z Quasar Survey: Discovery of Faint $z \sim 6$ Quasars, *ApJ*, **798**, 28.
- Kasuga, T.**, Usui, F., **Shirahata, M., Kuroda, D.**, Ootsubo, T., Okamura, N., Hasegawa, S.: 2015, Near-Infrared Spectra of High-Albedo Outer Main-Belt Asteroids, *AJ*, **149**, 37.
- Kataoka, A.**, Okuzumi, S., Tanaka, H., Nomura, H.: 2014, Opacity of fluffy dust aggregates, *A&A*, **568**, A42.
- Kato, T., et al. including **Kinugasa, K.**: 2014, Survey of Period Variations of Superhumps in SU UMa-Type Dwarf Novae. V: The Fifth Year (2012-2013), *PASJ*, **66**, 30.
- Katoh, Y., **Iwai, K.**, Nishimura, Y., Kumamoto, A., Misawa, H., Tsuchiya, F., Ono, T.: 2014, Generation Mechanism of the Slowly Drifting Narrowband Structure in the Type IV Solar Radio Bursts Observed by Amateras, *ApJ*, **787**, 45.
- Kawabata, K. S., et al. including **Tanaka, M., Nakaya, H., Yamashita, T., Fukui, A., Izumiura, H., Kuroda, D., Yanagisawa, K.**: 2014, Optical and Near-infrared Polarimetry of Highly Reddened Type Ia Supernova 2014J: Peculiar Properties of Dust in M82, *ApJ*, **794**, L4.
- Kawaguchi, T., Saito, Y.**, Miki, Y., Mori, M.: 2014, Relics of Galaxy Merging: Observational Predictions for a Wandering Massive Black Hole and Accompanying Star Cluster in the Halo of M31, *ApJ*, **789**, L13.
- Kikuchi, F., Matsumoto, K., Hanada, H., Tsuruta, S., Asari, K., Kono, Y., Yamada, R., Iwata, T., Sasaki, S., Takahashi, K., Uchibori, Y., Komai, T., Nakamura, T.**: 2014, Recent status of SELENE-2/VLBI instrument, *Trans. JSASS Aerospace Tech. Japan*, **12**, Pk_13-Pk_19.
- Kim, D., Im, M., **Kim, J. H.**, Jun, H. D. Woo, J.-H., Lee, H. M., Lee, M. G., Nakagawa, T., Matsuhara, H., Wada, T., Oyabu, S., Takagi, T., Ohya, Y., Lee, S.-K.: 2015, The AKARI 2.5–5.0 μm Spectral Atlas of Type-I Active Galactic Nuclei: Black Hole Mass Estimator, Line Ratio, and Hot Dust Temperature, *ApJS*, **216**, 17.
- Kim, S., **Shibasaki, K.**, Bain, H.-M., Cho, K.-S.: 2014, Plasma Upflows and Microwave Emission in Hot Supra-Arcade Structure Associated with an M1.6 Limb Flare, *ApJ*, **785**, 106.
- Kino, M., Takahara, F., **Hada, K.**, Doi, A.: 2014, Relativistic Electrons and Magnetic Fields of the M87 Jet on the ~ 10 Schwarzschild Radii Scale, *ApJ*, **786**, 5.
- Kleint, L., et al. including **Antolin, P.**: 2014, Detection of supersonic Heating Events in the Transition Region above Sunspots, *ApJ*, **789**, L42.
- Kojima, H., Antia, H. M., Dugad, S. R., Gupta, S. K., Hayashi, Y., Jagadeesan, P., Jain, A., Kawakami, S., Mohanty, P. K., Nonaka, T., **Oshima, A.**, Rao, B. S., Shibata, S., The GRAPES-3 Collaboration: 2015, Measurement of the radial density gradient of cosmic ray in the heliosphere by the GRAPES-3 experiment, *Astropart. Phys.*, **62**, 21-29.

- Kolotkov, D. Y., Nakariakov, V. M., Kupriyanova, E. G., Ratcliffe, H., **Shibasaki, K.**: 2015, Multi-Mode Quasi-Periodic Pulsations in a Solar Flare, *A&A*, **574**, A53.
- Komatsubara, T., Kubono, S., Hayakawa, T., Shizuma, T., Ozawa, A., Ito, Y., Ishibashi, Y., Moriguchi, T., Yamaguchi, H., Kahl, D., Hayakawa, S., Binh, D. N., Chen, A. A., Chen, J., Setoodehnia, K., **Kajino, T.**: 2014, Excited states above the proton threshold in ^{26}Al , *Eur. Phys. J. A*, **50**, 136.
- Konishi, M., et al. including **Ita, Y., Komugi, S., Nakashima, A.**: 2015, ANIR: Atacama near-infrared camera for the 1.0 m miniTAO telescope, *PASJ*, **67**, 4.
- Konishi, M., et al. including **Arimoto, N., Guyon, O., Hashimoto, J., Hayano, Y., Hayashi, M., Hayashi, S., Ishii, M., Iye, M., Kandori, R., Kudo, T., Kusakabe, N., Miyama, S., Morino, J., Nishimura, T., Pyo, T.-S., Suenaga, T., Suto, H., Suzuki, R., Takahashi, Y., Takami, H., Takato, N., Terada, H., Tomono, D., Usuda, T., Tamura, M.**: 2015, Indications of M-dwarf deficits in the halo and thick disk of the Galaxy, *PASJ*, **67**, 1.
- Konno, A., Ouchi, M., Ono, Y., Shimasaku, K., Shibuya, T., **Furusawa, H.**, Nakajima, K., Naito, Y., Momose, R., Yuma, S., **Iye, M.**: 2014, Accelerated Evolution of the $\text{Ly}\alpha$ Luminosity Function at $z \gtrsim 7$ Revealed by the Subaru Ultra-deep Survey for $\text{Ly}\alpha$ Emitters at $z = 7.3$, *ApJ*, **797**, 16.
- Koshida, S.**, Minezaki, T., Yoshii, Y., **Kobayashi, Y.**, Sakata, Y., Sugawara, S., Enya, K., Suganuma, M., Tomita, H., Aoki, T., Peterson, B. A.: 2014, Reverberation Measurements of the Inner Radius of the Dust Torus in 17 Seyfert Galaxies, *ApJ*, **788**, 159.
- Koyama, Y., **Kodama, T., Tadaki, K., Hayashi, M., Tanaka, I., Shimakawa, R.**: 2014, The Environmental Impacts on the Star Formation Main Sequence: An H α Study of the Newly Discovered Rich Cluster at $z = 1.52$, *ApJ*, **789**, 18.
- Koyamatsu, S.**, Takakuwa, S., **Hayashi, M.**, Mayama, S., **Ohashi, N.**: 2014, The Disappearing Envelope around the Transitional Class I Object L43, *ApJ*, **789**, 95.
- Kozłowski, S. K., Konacki, M., Ratajczak, M., Sybilski, P., Pawłaszek, R. K., **Helminiak, K. G.**: 2014, BACHES - a compact échelle spectrograph for radial-velocity surveys with small telescopes, *MNRAS*, **443**, 158-167.
- Kubo, M.**, Low, B. C., Lites, B. W.: 2014, Unresolved Mixed Polarity Magnetic Fields at Flux Cancellation Site in Solar Photosphere at 0.3" Spatial Resolution, *ApJ*, **793**, L9.
- Kubo, M., Yamada, T., Ichikawa, T., Kajisawa, M., **Matsuda, Y., Tanaka, I.**: 2014, NIR Spectroscopic Observation of Massive Galaxies in the Protocluster at $z = 3.09$, *ApJ*, **799**, 38.
- Kudoh, T.**, Basu, S.: 2014, Induced Core Formation Time in Subcritical Magnetic Clouds by Large-scale Trans-Alfvénic Flows, *ApJ*, **794**, 127.
- Kupriyanova, E. G., Melnikov, V. F., Puzynya, V. M., **Shibasaki, K.**, Ji, H. S.: 2014, Long-Period Pulsations of the Thermal Microwave Emission of the Solar Flare of June 2, 2007 from Data with High Spatial Resolution, *Astron. Rep.*, **58**, 573.
- Kuroda, D.**, Ishiguro, M., **Takato, N.**, Hasegawa, S., Abe, M., Tsuda, Y., Sugita, S., Usui, F., **Hattori, T., Iwata, I., Imanishi, M., Terada, H.**, Choi, Y.-J., Watanabe, S.-i., Yoshikawa, M.: 2014, Visible-wavelength spectroscopy of subkilometer-sized near-Earth asteroids with a low delta- v , *PASJ*, **66**, 51.
- Kurtz, D. W., Saio, H., Takata, M., Shibahashi, H., Murphy, S. J., **Sekii, T.**: 2014, Asteroseismic Measurement of Surface-to-Core Rotation in a Main-Sequence A star, KIC 11145123, *MNRAS*, **444**, 102-116.
- Kusakabe, K., Kim, K. S., Cheoun, K., **Kajino, T.**, Kino, Y., Mathews, G. J.: 2014, Revised Big Bang Nucleosynthesis with long-lived negatively charged massive particles: Impact of new ^6Li limit, primordial ^9Be nucleosynthesis, and updated recombination rates, *ApJS*, **214**, 5.
- Kusune, T., Sugitani, K., Miao, J., **Tamura, M.**, Sato, Y., Kwon, J., Watanabe, M., Nishiyama, S., Nagayama, T., Sato, S.: 2015, Near-IR Imaging Polarimetry toward a Bright-rimmed Cloud: Magnetic Field in SFO 74, *ApJ*, **798**, 60.
- Kwon, J., **Tamura, M.**, Hough, J. H., **Kusakabe, N.**, Nagata, T., Nakajima, Y., Lucas, P. W., Nagayama, T., **Kandori, R.**: 2014, Near-infrared Circular Polarization Survey in Star-forming Regions: Correlations and Trends, *ApJ*, **795**, L16.
- Lee, J.-J., et al. including **Pyo, T.-S.**: 2014, UKIRT Widefield Infrared Survey for Fe^+ , *MNRAS*, **443**, 2650-2660.
- Li, T., et al. including **Flaminio, R.**: 2014, Measurements of mechanical thermal noise and energy dissipation in optical dielectric coatings, *Phys. Rev. D*, **89**, 092004.
- Liu, Y. J., Tan, K. F., Wang, L., Zhao, G., Sato, B., **Takeda, Y.**, Li, H. N.: 2014, The Lithium Abundances of a Large Sample of Red Giants, *ApJ*, **785**, 94.
- Makles, K., et al. including **Flaminio, R.**: 2015, 2D photonic-crystal optomechanical nanoresonator, *Opt. Lett.*, **40**, 174-177.
- Mallik, K. K., Ojha, D. K., **Tamura, M.**, Pandey, A. K., Dib, S., Ghosh, S. K., **Sunada, K.**, Zinchenko, I., Pirogov, L., Tsujimoto, M.: 2014, NGC 7538: multiwavelength study of stellar cluster regions associated with IRS 1-3 and IRS 9 sources, *MNRAS*, **443**, 3218-3237.
- Mallik, K. K., Ojha, D. K., **Tamura, M.**, Linz, H., Samal, M. R., Ghosh, S. K.: 2015, Study of morphology and stellar content of the Galactic H II region IRAS 16148-5011, *MNRAS*, **447**, 2307-2321.
- Marassi, S., Chiaki, G., Schneider, R., Limongi, M., Omukai, K., **Nozawa, T.**, Chieffi, A., Yoshida, N.: 2014, The Origin of the Most Iron-poor Star, *ApJ*, **794**, 100.
- Martin, D. C., Chang, D., Matuszewski, M., Morrissey, P., Rahman, S., Moore, A., Steidel, C. C., **Matsuda, Y.**: 2014, Intergalactic Medium Emission Observations with the Cosmic Web Imager. II. Discovery of Extended, Kinematically Linked Emission around SSA22 Ly α Blob 2, *ApJ*, **786**, 107.
- Martin, S., Kohno, K., Izumi, T., Krips, M., Meier, D. S., Aladro, R., Matsushita, S., **Takano, S.**, Turner, J. L., **Espada, D.**, Nakajima, T., Terashima, Y., Fathi, K., Hsieh, P.-Y., **Imanishi, M.**, Lundgren, A., Nakai, N., Schinnerer, E., Sheth, K., Wiklund, T.: 2014, Multimolecule ALMA observations toward the Seyfert 1 galaxy NGC 1097, *A&A*, **573**, A116.
- Martinache, F., **Guyon, O., Jovanovic, N., Clergeon, C., Singh, G., Kudo, T., Currie, T.**, Thalmann, C., McElwain, M., **Tamura, M.**: 2014, On-Sky Speckle Nulling Demonstration at Small Angular Separation with SCEXAO, *PASP*, **126**, 565-572.
- Maruyama, T., Hidaka, J., **Kajino, T.**, Yasutake, N., Kuroda, T., Cheoun, M.-K., Ryu, C.-Y., Mathews, G. J.: 2014, Asymmetric Neutrino Production in Strongly Magnetized Proto-Neutron Stars, *Phys. Rev. D*, **90**, 067302.
- Masada, Y., Takiwaki, T., **Kotake, K.**: 2015, Magnetohydrodynamic Turbulence Powered by Magnetorotational Instability in Nascent

- Protoneutron Stars, *ApJ*, **798**, L22.
- Mathews, G. J., Hidaka, J., **Kajino, T.**, Suzuki, J.: 2014, Supernova Relic Neutrinos and the Supernova Rate Problem: Analysis of Uncertainties and the role of Failed Supernovae, *ApJ*, **790**, 115.
- Matsumoto, N.**, et al. including **Hirota, T.**, **Chibueze, J. O.**, **Honma, M.**, **Kameya, O.**, **Shino, N.**, **Sunada, K.**, **Jike, T.**, **Kobayashi, H.**, **Kono, Y.**, **Oyama, T.**, **Sawada-Satoh, S.**, **Shibata, K. M.**, **Tamura, Y.**: 2014, The First Very Long Baseline Interferometry Image of a 44 GHz Methanol Maser with the KVN and VERA Array (KaVA), *ApJ*, **789**, L1.
- Matsumoto, N., Michimura, Y., **Aso, Y.**, Tsubono, K.: 2014, Optically trapped mirror for reaching the standard quantum limit, *Opt. Express*, **22**, 12915-12923.
- Matsumura, T., et al. including **Karatsu, K.**, **Naruse, M.**, **Noguchi, T.**, **Sekimoto, Y.**, **Uzawa, Y.**: 2014, Mission Design of LiteBIRD, *J. Low Temp. Phys.*, **176**, 733-740.
- Matsunaga, N., Fukue, K., Yamamoto, R., Kobayashi, N., Inno, L., Genovali, K., Bono, G., Baba, J., **Fujii, M.**, Kondo, S., Ikeda, Y., Hamano, S., Nishiyama, S., Nagata, T., **Aoki, W.**, **Tsujimoto, T.**: 2014, Kinematics of Classical Cepheids in the Nuclear Stellar Disk, *ApJ*, **799**, 46.
- Matsuo, H.**: 2014, Fast and High Dynamic Range Imaging with Superconducting Tunnel Junction Detectors, *J. Low Temp. Phys.*, **176**, 267-272.
- Mazzali, P. A., McFadyen, A. I., Woosley, S. E., Pian, E., **Tanaka, M.**: 2014, An upper limit to the energy of gamma-ray bursts indicates that GRBs/SNe are powered by magnetars, *MNRAS*, **443**, 67-71.
- Melandri, A., et al. including **Tanaka, M.**: 2014, Diversity of gamma-ray burst energetics vs. supernova homogeneity: SN 2013cq associated with GRB 130427A, *A&A*, **567**, A29.
- Melandri, A., et al. including **Kuroda, D.**, **Hanayama, H.**: 2014, The nature of the late achromatic bump in GRB 120326A, *A&A*, **572**, A55.
- Merlo, M. J., Perlmutter, E. S., Nikutta, R., Packham, C., Elitzur, M., **Imanishi, M.**, Levenson, N. A., Radomski, J. T., Aretxaga, I.: 2014, Subaru Spectroscopy and Spectral Modeling of Cygnus A, *ApJ*, **788**, 6.
- Michikoshi, S.**, **Kokubo, E.**: 2014, Pitch Angle of Galactic Spiral Arms, *ApJ*, **787**, 174.
- Min, C.**, **Matsumoto, N.**, Kim, M. K., **Hirota, T.**, **Shibata, K. M.**, Cho, S. H., **Shizugami, M.**, **Honma, M.**: 2014, Accurate parallax measurement toward the symbiotic star R Aquarii, *PASJ*, **66**, 38.
- Mirkazemi, M., et al. Including **Tanaka, M.**: 2015, Brightest X-Ray Clusters of Galaxies in the CFHTLS Wide Fields: Catalog and Optical Mass Estimator, *ApJ*, **799**, 60.
- Mitsui, K.**, **Nitta, T.**, **Okada, N.**, **Sekimoto, Y.**, **Karatsu, K.**, Sekiguchi, S., Sekine, M., **Noguchi, T.**: 2015, Fabrication of 721-pixel silicon lens array of a microwave kinetic inductance detector camera, *J. Astron. Telesc. Instrum. Syst.*, **1**, 025001.
- Miura, R. E.**, Kohno, K., Tosaki, T., **Espada, D.**, **Hirota, A.**, **Komugi, S.**, **Okumura, S. K.**, **Kuno, N.**, Muraoka, K., Onodera, S., **Nakanishi, K.**, **Sawada, T.**, Kaneko, H., **Minamidani, T.**, **Fujii, K.**, **Kawabe, R.**: 2014, Enhancement of CO(3-2)/CO(1-0) Ratios and Star Formation Efficiencies in Supergiant HII Regions, *ApJ*, **788**, 167.
- Miura, R. E.**, **Espada, D.**, Sugai, H., **Nakanishi, K.**, **Hirota, A.**: 2015, Witness of gas infall and outflow in the young starburst dwarf galaxy NGC 5253, *PASJ*, **67**, L1.
- Miyamoto, Y., Nakai, N., **Kuno, N.**: 2014, Influence of Shear Motion on Evolution of Molecular Clouds in the Spiral Galaxy M51, *PASJ*, **66**, 36.
- Miyamoto, Y., Nakai, N., Seta, M., Salak, D., Hagiwara, K., Nagai, M., Ishii, S., **Yamauchi, A.**: 2015, Hot ammonia in the center of the Seyfert 2 galaxy NGC 3079, *PASJ*, **67**, 5
- Mizuno, I.**, **Kameno, S.**, Kano, A., Kuroo, M., **Nakamura, F.**, **Kawaguchi, N.**, **Shibata, K. M.**, **Kuji, S.**, **Kuno, N.**: 2014, Software Polarization Spectrometer "PolariS", *Journal of Astronomical Instrumentation*, **3**, 1450010.
- Mori, T. I., **Imanishi, M.**, Alonso-Herrero, A., Packham, C., Ramos Almeida, C., Nikutta, R., Gonzalez-Martin, O., Perlmutter, E., **Saito, Y.**, Levenson, N. A.: 2014, Near- to mid-infrared imaging and spectroscopy of two buried AGNs of the nearby merging galaxy NGC 6240 with Subaru/IRCS+AO and GTC/CanariCam, *PASJ*, **66**, 93.
- Morokuma, T., et al. Including **Tanaka, M.**, **Miyazaki, S.**, **Nakata, F.**, **Okada, N.**, **Iwata, I.**, **Kuroda, D.**, **Ukita, N.**: 2014, Kiso Supernova Survey (KISS): Survey strategy, *PASJ*, **66**, 114.
- Morokuma-Matsui, K.**, Sorai, K., Watanabe, Y., **Kuno, N.**: 2015, Stacking Analysis of ¹²CO and ¹³CO Spectra of NGC 3627: Existence of Non-Optically Thick ¹²CO Mission?, *PASJ*, **67**, 2.
- Murakami, I., **Watanabe, T.**, Suzuki, C., Morita, S., Dong, C.-F., Tamura, N., Yamamoto, N., Kato, D., Sakaue, H. A., **Hara, H.**, Nakamura, N., Sudo, S.: 2014, Validation of Spectroscopic Model of Fe Ions for Non-Equilibrium Ionization Plasma Study in LHD and HINODE, *Plasma and Fusion Research*, **9**, 1401056.
- Nagai, H.**, Haga, T., Giovannini, G., Doi, A., Orienti, M., D'Ammando, F., Kino, M., Nakamura, M., Asada, K., **Hada, K.**, Giroletti, M.: 2014, Limb-brightened Jet of 3C 84 Revealed by the 43 GHz Very-Long-Baseline-Array Observation, *ApJ*, **785**, 53.
- Nagai, T., Shinohara, I., **Zenitani, S.**: 2015, Ion acceleration processes in magnetic reconnection: Geotail observations in the magnetotail, *J. Geophys. Res.*, **120**, 1766.
- Nagata, S., **Morita, S.**, Ichimoto, K., Nishida, K., Nakatani, Y., Kimura, G., Kaneda, N., Kitai, R., Ueno, S., Ishii, T.: 2014, The Tandem Etalon Magnetograph of the Solar Magnetic Activity Research Telescope (SMART) at Hida Observatory, *PASJ*, **66**, 45.
- Nakagawa, A., Omodaka, T., Handa, T., **Honma, M.**, Kawaguchi, N., **Kobayashi, H.**, **Oyama, T.**, **Sato, K.**, **Shibata, K. M.**, **Shizugami, M.**, **Tamura, Y.**, **Ueno, Y.**: 2014, VLBI astrometry of AGB variables with VERA: A Mira-type variable T Lepus, *PASJ*, **66**, 101.
- Nakajima, T., **Takano, S.**, Kohno, K., Harada, N., Herbst, E., Tamura, Y., Izumi, T., Taniguchi, A., Tosaki, T.: 2015, A Multi-Transition Study of Molecular toward NGC 1068 Based on High-Resolution Imaging Observations with ALMA, *PASJ*, **67**, 8.
- Nakamura, F.**, et al. including **Nishitani, H.**, **Kawabe, R.**, **Mizuno, I.**, **Kameno, S.**, **Shinnaga, H.**, **Hirota, T.**, **Takano, S.**, **Iono, D.**: 2014, Cluster Formation Triggered by Filament Collisions in Serpens South, *ApJ*, **791**, L23.
- Nakamura, K.**: 2014, Recursive structure in the definitions of gauge-invariant variables for any order perturbations, *Classical Quantum Gravity*, **31**, 135013.
- Nakamura, K.**, **Ando, M.**: 2014, Torsion-bar antenna in the proper reference frame with rotation, *Phys. Rev. D*, **90**, 064008.
- Nakamura, K., Kuroda, T., Takiwaki, T., **Kotake, K.**: 2014, Impacts of Rotation on Three-dimensional Hydrodynamics of Core-collapse Supernovae, *ApJ*, **793**, 45.
- Nakamura, R., Bamba, A., Ishida, M., Yamazaki, R., **Tatematsu, K.**,

- Kohri, K., Puehlofer, G., Wagner, S., Sawada, M.: 2014, X-ray Spectroscopy of the Mixed Morphology Supernova Remnant W28 with XMM-Newton, *PASJ*, **66**, 62.
- Narukage, N.**, Auchère, F., **Ishikawa, R.**, **Kano, R.**, Tsuneta, S., Winebarger, A. R., Kobayashi, K.: 2015, Vacuum Ultraviolet Spectropolarimeter Design for Precise Polarization Measurements, *Appl. Opt.*, **54**, 2080-2084.
- Narukage, N.**, Sakao, T., **Kano, R.**, **Shimojo, M.**, Winebarger, A., Weber, M., Reeves, K. K.: 2014, Coronal-Temperature-Diagnostic Capability of the Hinode/X-Ray Telescope Based on Self-consistent Calibration. II. Calibration with On-Orbit Data, *Sol. Phys.*, **289**, 1029-1042.
- Narukage, N.**, **Shimojo, M.**, Sakao, T.: 2014, Evidence of Electron Acceleration around the Reconnection X-point in a Solar Flare, *ApJ*, **787**, 125.
- Natale, G., Foyle, K., Wilson, C. D., **Kuno, N.**: 2014, A Multiwavelength Analysis of the Clumpy FIR-Bright Sources in M33, *MNRAS*, **441**, 224-242.
- Niino, Y.**, Totani, T., Okumura, J. E.: 2014, Unveiling the origin of fast radio bursts by optical follow up observations, *PASJ*, **66**, L9.
- Niinuma, K., et al. including **Sawada-Satoh, S.**, **Hada, K.**, **Hagiwara, Y.**, **Honma, M.**, **Nagai, H.**, **Kim, J. S.**, **Oyama, T.**, **Hirota, T.**, **Jike, T.**, **Kanaguchi, M.**, **Kobayashi, H.**, **Kono, Y.**, **Matsumoto, N.**, **Shibata, K. M.**, **Tamura, Y.**: 2014, VLBI observations of bright AGN jets with the KVN and VERA Array (KaVA): Evaluation of imaging capability, *PASJ*, **66**, 103.
- Nishimura, A.**, Tokuda, K., Kimura, K., Muraoka, K., Maezawa, H., Ogawa, H., Dobashi, K., Shimoikura, T., Mizuno, A., Fukui, Y., Onishi, T.: 2015, Revealing the Physical Properties of Molecular Gas in Orion with a Large Scale Survey in $J=2-1$ Lines of ^{12}CO , ^{13}CO and C^{18}O , *ApJS*, **216**, 18.
- Nitta, T.**, **Karatsu, K.**, **Sekimoto, Y.**, Naruse, M., Sekine, M., Sekiguchi, S., **Matsuo, H.**, **Noguchi, T.**, **Mitsui, K.**, **Okada, N.**, Seta, M., Nakai, N.: 2014, Close-Packed Silicon Lens Antennas for Millimeter-Wave MKID Camera, *J. Low Temp. Phys.*, **176**, 684-690.
- Nitta, T.**, Sekiguchi, S., **Sekimoto, Y.**, **Mitsui, K.**, **Okada, N.**, **Karatsu, K.**, Naruse, M., Sekine, M., **Matsuo, H.**, **Noguchi, T.**, Seta, M., Nakai, N.: 2014, Anti-reflection Coating for Cryogenic Silicon and Alumina Lenses in Millimeter-Wave Bands, *J. Low Temp. Phys.*, **176**, 677-683.
- Norris, B., Cvetojevic, N., Gross, S., **Jovanovic, N.**, Stewart, P., Charles, N., Lawrence, J., Withford, M., Tuthill, P.: 2014, High-performance 3D waveguide architecture for astronomical pupil-remapping interferometry, *Opt. Express*, **22**, 18335-18353.
- Norris, B., Schworer, G., Tuthill, P., **Jovanovic, N.**, **Guyon, O.**, Stewart, P., Martinache, F.: 2014, The VAMPIRES instrument: Imaging the innermost regions of protoplanetary disks with polarimetric interferometry, *MNRAS*, **447**, 2894-2906.
- Nozawa, T.**, Asano, R. S., Hirashita, H., Takeuchi, T. T.: 2015, Evolution of Grain Size Distribution in High-redshift Dusty Quasars: Integrating Large Amounts of Dust and Unusual Extinction Curves, *MNRAS*, **447**, L16-L20.
- Nozawa, T.**, Yoon, S.-C., Maeda, K., Kozasa, T., Nomoto, K., Langer, N.: 2014, Dust Production Factories in the Early Universe: Formation of Carbon Grains in Red-supergiant Winds of Very Massive Population III Stars, *ApJ*, **787**, L17.
- O'Toole, A., **Peña Arellano, F. E.**, Rodionov, A. V., Shaner, M., Sobacchi, E., Dergachev, V., DeSalvo, R., Asadoor, M., Bhawal, A., Gong, P., Kim, C., Lottarini, A., Minenkov, Y., Murphy, C.: 2014, Design and initial characterization of a compact, ultra high vacuum compatible, low frequency, tilt accelerometer, *Rev. Sci. Instrum.*, **85**, 075003.
- Oh, S., et al. including **Tanaka, M.**: 2014, The Active Galactic Nucleus Population in X-Ray-selected Galaxy Groups at $0.5 < z < 1.1$, *ApJ*, **790**, 43.
- Ohashi, N.**, **Saigo, K.**, **Aso, Y.**, Aikawa, Y., **Koyamatsu, S.**, Machida, M. N., **Saito, M.**, **Takahashi, S. Z.**, Takakuwa, S. Tomida, K., **Tomisaka, K.**, Yen, H.-W.: 2014, Formation of a Keplerian Disk in the Infalling Envelope around L1527 IRS: Transformation from Infalling Motions to Kepler Motions, *ApJ*, **796**, 131.
- Ohashi, S.**, **Tatematsu, K.**, Choi, M., Kang, M., **Umamoto, T.**, Lee, J.-E., **Hirota, T.**, Yamamoto, S., **Mizuno, M.**: 2014, Chemical Variation in Molecular Cloud Cores in the Orion A Cloud. III, *PASJ*, **66**, 119.
- Okabe, N., et al. including **Hamana, T.**, **Miyazaki, S.**: 2014, Universal profiles of the intracluster medium from Suzaku X-ray and Subaru weak-lensing observations, *PASJ*, **66**, 99.
- Ono, Y., Ouchi, M., **Kurono, Y.**, Momose, R.: 2014, Faint Submillimeter Galaxies Revealed by Multifield Deep ALMA Observations: Number Counts, Spatial Clustering, and a Dark Submillimeter Line Emitter, *ApJ*, **795**, 5.
- Oshigami, S.**, Watanabe, S., Yamaguchi, Y., Yamaji, A., Kobayashi, T., Kumamoto, A., Ishiyama, K., Ono, T.: 2014, Mare volcanism: Reinterpretation based on Kaguya Lunar Radar Sounder data, *J. Geophys. Res.*, **119**, 1037-1045.
- Ota, K., Walter, F., Ohta, K., **Hatsukade, B.**, Carilli, C. L., da Cunha, E., Gonzalez-Lopez, J., Decarli, R., Hodge, J. A., **Nagai, H.**, Egami, E., Jiang, L., **Iye, M.**, **Kashikawa, N.**, Riechers, D. A., Bertoldi, F., Cox, P., Neri, R., Weiss, A.: 2014, ALMA Observation of 158 μm [CII] Line and Dust Continuum of a $z = 7$ Normally Star-forming Galaxy in the Epoch of Reionization, *ApJ*, **792**, 34.
- Otsuji, K.**, **Sakurai, T.**, Kuzanyan, K.: 2015, A statistical analysis of current helicity and twist in solar active regions over the phases of the solar cycle using the spectro-polarimeter data of Hinode, *PASJ*, **67**, 6.
- Oya, Y., Sakai, N., Sakai, T., Watanabe, Y., **Hirota, T.**, Lindberg, J. E., Bisschop, S. E., Jorgensen, J. K., van Dishoeck, E. F., Yamamoto, S.: 2014, A Substellar-mass Protostar and its Outflow of IRAS 15398-3359 Revealed by Subarcsecond-resolution Observations of H_2CO and CCH, *ApJ*, **795**, 152.
- Paron, S., Ortega, M. E., Cunningham, M., Jones, P. A., Rubio, M., Farina, C., **Komugi, S.**: 2014, ASTE observations in the 345 GHz window towards the HII region N113 of the Large Magellanic Cloud, *A&A*, **572**, A56.
- Pehlivan, Y., Balantekin, A. B., **Kajino, T.**: 2014, Neutrino Magnetic Moment, CP Violation and Flavor Oscillations in Matter, *Phys. Rev. D*, **90**, 065011.
- Pétri, J., Takamoto, M., Baty, H., **Zenitani, S.**: 2015, Explosive reconnection of double tearing modes in relativistic plasmas with application to the Crab nebula, *Plasma Phys. Controlled Fusion*, **57**, 259.
- Placco, V. M., Beers, T. C., Roederer, I. U., Cowan, J. J., Frebel, A., Filler, D., Ivans, I. I., Lawler, J. E., Schatz, H., Sneden, C., Soback, J. S., **Aoki, W.**, Smith, V. V.: 2014, Hubble Space Telescope Near-ultraviolet Spectroscopy of the Bright CEMP-no Star BD+44°493, *ApJ*, **790**, 34.
- Planck Collaboration, Ade, P. A. R., et al. including **Morino, J.**: 2014,

- Planck 2013 results. XIII. Galactic CO emission, *A&A*, 571, A13.
- Pyo, T.-S., Hayashi, M.**, Beck, T. L., Davis, C. J., Takami, M.: 2014, [FeII] Emissions Associated with the Young Interacting Binary UY Aurigae, *ApJ*, **786**, 63.
- Quimby, R. M., et al. including **Tanaka, M.**: 2014, Detection of the Gravitational Lens Magnifying a Type Ia Supernova, *Science*, **344**, 396-399.
- Reid, M. J., **Honma, M.**: 2014, Microarcsecond Radio Astrometry, *Annual Review of Astronomy and Astrophysics*, **52**, 339-372.
- Reznikova, V. E., **Antolin, P.**, Van Doorselaere, T.: 2014, Forward Modeling of Gyrosynchrotron Intensity Perturbations by Sausage Modes, *ApJ*, **785**, 86.
- Ricci, C., **Tazaki, F.**, Ueda, Y., Paltani, S., Boissay, R., Terashima, Y.: 2014, Suzaku Observation of IRAS 00521-7054, a Peculiar Type-II AGN with a Very Broad Feature at 6 keV, *ApJ*, **795**, 147.
- Richards, A. M. S., et al. including **Shinnaga, H.**: 2014, ALMA sub-mm maser and dust distribution of VY Canis Majoris, *A&A*, **572**, L9.
- Ricker, G. R., et al. including **Narita, N.**: 2015, Transiting Exoplanet Survey Satellite (TESS), *J. Astron. Telesc. Instrum. Syst.*, **1**, 014003.
- Rowe, J. F., et al. including **Helminiak, K. G.**: 2015, Planetary Candidates Observed by Kepler. V. Planet Sample from Q1-Q12 (36 Months), *ApJS*, **217**, 16.
- Ryabov, B. I., Gary, D. E., Peterova, N. G., **Shibasaki, K.**, Topchilo, N. A.: 2015, Reduced Coronal Emission Above Large Isolated Sunspots, *Sol. Phys.*, **290**, 21-35.
- Saio, H., Kurtz, D. W., Takata, M., Shibahashi, H., Murphy, S. J., **Sekii, T.**, Bedding, T. R.: 2015, Asteroseismic measurement of slow, nearly-uniform surface-to-core rotation in the main sequence F star KIC 9244992, *MNRAS*, **447**, 3264-3277.
- Saito, T., **Matsuda, Y.**, Lacey, C. G., Smail, I., Orsi, A., Baugh, C. M., Inoue, A. K., **Tanaka, I.**, Yamada, T., Ohta, K., De Breuck, C., **Kodama, T.**, Taniguchi, Y.: 2015, The environments of Ly alpha blobs - I. Wide-field Ly alpha imaging of TN J1338-1942, a powerful radio galaxy at $z \simeq 4.1$ associated with a giant Ly α nebula, *MNRAS*, **447**, 3069-3086.
- Sakai, N., Oya, Y., Sakai, T., Watanabe, Y., **Hirota, T.**, Ceccarelli, C., Kahane, C., Lopez-Sepulcre, A., Lefloch, B., Vastel, C., Bottinelli, S., Caux, E., Coutens, A., Aikawa, A., Takakuwa, T., **Ohashi, N.**, Yen, H.-W., Yamamoto, S.: 2014, A Chemical View of Protostellar-disk Formation in L1527, *ApJ*, **791**, L38.
- Sakakibara, Y., **Akutsu, T.**, Chen, D., Khalaidovski, A., Kimura, N., Koike, S., Kume, T., Kuroda, K., Suzuki, T., Tokoku, C., K. Yamamoto, K.: 2014, Progress on the cryogenic system for the KAGRA cryogenic interferometric gravitational wave telescope, *Classical Quantum Gravity*, **31**, 224003.
- Sano, H., et al. including **Inoue, T.**, **Kawamura, A.**, **Mizuno, N.**: 2015, A Detailed Study of Non-thermal X-ray Properties and Interstellar Gas Toward the γ -ray Supernova Remnant RX J1713.7-3946, *ApJ*, **799**, 175.
- Schneider, G., et al. including **Tamura, M.**: 2014, Probing for Exoplanets Hiding in Dusty Debris Disks: Disk Imaging, Characterization, and Exploration with HST/STIS Multi-roll Coronagraphy, *AJ*, **148**, 59.
- Scott, E. R. D., Krot, T. V., Goldstein, J. I., **Wakita, S.**: 2014, Thermal and Impact History of the H Chondrite Parent Asteroid during Metamorphism: Constraints from Metallic FeNi, *Geochim. Cosmochim. Acta*, **136**, 13-37.
- Scott, P., Grevesse, N., Asplund, M., Sauval, A. J., Lind, K., **Takeda, Y.**, Collet, R., Trampedach, R., Hayek, W.: 2015, The elemental composition of the Sun. I. The intermediate mass elements Na to Ca, *A&A*, **573**, A25.
- Scott, T. C., Sengupta, C., Verdes Montenegro, L., Bosma, A., Athanassoula, E., Sulentic, J., **Espada, D.**, Yun, M. S., Argudo-Fernandez, M.: 2014, A ~ 12 kpc H I extension and other H I asymmetries in the isolated galaxy CIG 340 (IC 2487), *A&A*, **567**, A56.
- Scoville, N., Faisst, A., Capak, P., **Kakazu, Y.**, Li, G., Steinhardt, C.: 2015, Dust Attenuation in High Redshift Galaxies: "Diamonds in the Sky", *ApJ*, **800**, 108.
- Scullion, E., Rouppe van der Voort, L., Wedemeyer, S., **Antolin, P.**: 2014, Unresolved Fine-scale Structure in Solar Coronal Loop-tops, *ApJ*, **797**, 36.
- Sekiguchi, S., **Nitta, T.**, **Karatsu, K.**, **Sekimoto, Y.**, **Okada, N.**, **Tsuzuki, T.**, **Kashima, S.**, Sekine, M., **Okada, T.**, Shu, S., **Naruse, M.**, **Dominjon, A.**, **Noguchi, T.**, **Matsuo, H.**: 2015, Development of a Compact Cold Optics for Millimeter and Submillimeter Wave Observations, *IEEE Trans. Terahertz Sci. Technol.*, **5**, 49-56.
- Seko, A., Ohta, K., **Hatsukade, B.**, Yabe, K., Takeuchi, T., **Iono, D.**: 2014, Constraint on the gas-to-dust ratio in massive star-forming galaxies at $z \sim 1.4$, *PASJ*, **66**, 81.
- Selhorst, C. L., Costa, J. E. R., Giménez de Castro, C. G., Valio, A., Pacini, A. A., **Shibasaki, K.**: 2014, The 17 GHz Active Region Number, *ApJ*, **790**, 134.
- Sesana, A., et al. including **Akutsu T.**: 2014, Space-based detectors, *Gen. Relativ. Gravitation*, **46**, 1793.
- Shibata, S., Tominaga, N., **Tanaka, M.**: 2014, Random Walks and Effective Optical Depth in Relativistic Flow, *ApJ*, **787**, L4.
- Shimajiri, Y.**, Kitamura, Y., **Nakamura, F.**, Momose, M., **Saito, M.**, Tsukagoshi, T., **Hiramatsu, M.**, Shimoikura, T., Dobashi, K., **Hara, C.**, **Kawabe, R.**: 2015, Catalog of Dense Cores in the Orion A Giant Molecular Cloud, *ApJS*, **217**, 7.
- Shimajiri, Y.**, Kitamura, Y., **Saito, M.**, Momose, M., **Nakamura, F.**, Dobashi, K., Shimoikura, T., **Nishitani, H.**, Yamabi, A., **Hara, C.**, Katakura, S., Tsukagoshi, T., Tanaka, T., **Kawabe, R.**: 2014, High Abundance Ratio of ^{13}CO to C^{18}O toward Photon-Dominated Regions in the Orion-A Giant Molecular Cloud, *A&A*, **564**, A68.
- Shimakawa, R.**, **Kodama, T.**, **Tadaki, K.**, **Hayashi, M.**, Koyama, Y., **Tanaka, I.**: 2015, An early phase of environmental effects on galaxy properties unveiled by near-infrared spectroscopy of protocluster galaxies at $z > 2$, *MNRAS*, **448**, 666-680.
- Shimakawa, R.**, **Kodama, T.**, **Tadaki, K.**, **Tanaka, I.**, **Hayashi, M.**, Koyama, Y.: 2014, Identification of the progenitors of rich clusters and member galaxies in rapid formation at $z > 2$, *MNRAS*, **441**, L1-L5.
- Shin, J., **Sakurai, T.**: 2014, The Effect of the CCD Gate Structure in the Determination of the Undersampled Point Spread Function, *Sol. Phys.*, **289**, 2803-2821.
- Shinn, J.-H., Kim, K.-T., Lee, J.-J., Lee, Y.-H., Kim, H.-J., **Pyo, T.-S.**, Koo, B.-C., Kyeong, J., Hwang, N., Park, B.-G.: 2014, [FeII] 1.64 μm Imaging Observations of the Outflow Features around Ultracompact H II Regions in the First Galactic Quadrant, *ApJS*, **214**, 11.
- Shoda, A., **Ando M.**, Ishidoshiro K., Okada, K., Kokuyama, W., **Aso, Y.**, Tsubono, K.: 2014, Search for a stochastic gravitational-wave background using a pair of torsion-bar antennas, *Phys. Rev. D*, **89**, 027101.

- Silva, H. O., **Sotani, H.**, Berti, E., Horbatsch, M.: 2014, Torsional oscillations of neutron stars in scalar-tensor theory of gravity, *Phys. Rev. D*, **90**, 124044.
- Singh, G.**, Martinache, F., Baudoz, P., **Guyon, O.**, Matsuo, T., **Jovanovic N.**, **Clergeon., C.**: 2014, Lyot-based low order wavefront sensor for phase-mask coronagraphs: principle, simulations and laboratory experiments, *PASP*, **126**, 586-594.
- Sliwa, K. Wilson, C., **Iono, D.**, Peck, A., Matsushita, S.: 2014, Around the Ring We Go: The Cold, Dense Ring of Molecular Gas in NGC 1614, *ApJ*, **796**, L15.
- Soam, A., Maheswar, G., Lee, C. W., Dib, S., Bhatt, H. C., **Tamura, M.**, Kim, G.: 2015, Magnetic field structure around cores with very low luminosity objects, *A&A*, **573**, A34.
- Sotani, H.**, Iida, K., Oyamatsu, K.: 2015, Constraining the density dependence of the nuclear symmetry energy from an X-ray bursting neutron star, *Phys. Rev. C*, **91**, 015805.
- Sotani, H.**, Miyamoto, U.: 2014, Properties of an electrically charged black hole in Eddington-inspired Born-Infeld gravity, *Phys. Rev. D*, **90**, 124087.
- Sotani, H.**, Tatsumi, T.: 2015, Massive hybrid quark stars with strong magnetic field, *MNRAS*, **447**, 3155-3161.
- Spiro, S., et al. including **Kobayashi, Y.**: 2014, Low luminosity Type II supernovae - II. Pointing towards moderate mass precursors, *MNRAS*, **439**, 2873-2892.
- Stonkute, R.**, **Arimoto, N.**, **Hasegawa, T.**, **Narbutis, D.**, **Tamura, N.**, **Vansevicius, V.**: 2014, Dwarf Irregular Galaxy Leo A: Suprime-Cam Wide-field Stellar Photometry, *ApJS*, **214**, 19.
- Strom, R. G., Malhotra, R., Xiao, Z. Y., **Ito, T.**, **Yoshida, F.**, Ostrach, L. R.: 2015, The inner solar system cratering record and the evolution of impactor populations, *Res. Astron. Astrophys.*, **15**, 407-434.
- Suenaga, T.**, **Tamura, M.**, Kuzuhara, M., **Yanagisawa, K.**, **Ishii, M.**, Lucas, Philip W.: 2014, Multi-object and long-slit spectroscopy of very low mass brown dwarfs in the Orion Nebular Cluster, *PASJ*, **66**, 33.
- Suzuki, A., **Takahashi, H. R.**, **Kudoh, T.**: 2014, Linear Growth of the Kelvin-Helmholtz instability with an Adiabatic Cosmic-Ray Gas, *ApJ*, **787**, 169.
- Suzuki, H., Okada, M., Lin, W., Morita, S., Yamagata, Y., **Hanada, H.**, **Araki, H.**, **Kashima, S.**: 2014, Fine Finishing of Ground DOE Lens of Synthetic Quartz by Magnetic Field-Assisted Polishing, *CIRP Annals - Manufacturing Technology*, **63**, 313-316.
- Suzuki, T.**, **Ohishi, M.**, **Hirota, T.**: 2014, Distribution of CCS and HC₃N in L1147, an Early Phase Dark Cloud, *ApJ*, **788**, 108.
- Tadaki, K.**, **Kodama, T.**, Tamura, Y., **Hayashi, M.**, Koyama, Y., **Shimakawa, R.**, **Tanaka, I.**, Kohno, K., **Hatsukade, B.**, Suzuki, K.: 2014, Evidence for a Gas-rich Major Merger in a Proto-cluster at $z = 2.5$, *ApJ*, **788**, L23.
- Tajitsu, A.**, Sadakane, K., Naito, H., Arai, A., **Aoki, W.**: 2015, Explosive Lithium Production in the Classical Nova V339 Del (Nova Delphini 2013), *Nature*, **518**, 381-384.
- Takahashi, J., Urakawa, S., Terai, T., **Hanayama, H.**, Arai, A., Honda, S., Takagi, Y., Itoh, Y., Zenno, T., Ishiguro, M.: 2014, Near-infrared colors of asteroid 2012 DA14 at its closest approach to Earth: Observations with the Nishiharima Infrared Camera (NIC), *PASJ*, **66**, 53.
- Takakuwa, S., **Saito, M.**, **Saigo, K.**, Matsumoto, T., Lim, J., Hanawa, T., Ho, P. T. P.: 2014, Angular Momentum Exchange by Gravitational Torques and Infall in the Circumbinary Disk of the Protostellar System L1551 NE, *ApJ*, **796**, 1.
- Takami, H., **Nozawa, T.**, Ioka, K.: 2014, Dust Formation in Macronovae, *ApJ*, **789**, L6.
- Takami, M., et al. including **Hashimoto, J.**, **Kusakabe, N.**, **Kudo, T.**, **Takahashi, Y.**, **Suenaga, T.**, **Guyon, O.**, **Hayano, Y.**, **Hayashi, M.**, **Hayashi, S.**, **Ishii, M.**, **Iye, M.**, **Kandori, R.**, **Miyama, S.**, **Morino, J.**, **Nishimura, T.**, **Pyo, T.-S.**, **Suto, H.**, **Suzuki, R.**, **Takato, N.**, **Terada, H.**, **Tomono, D.**, **Takami, H.**, **Usuda, T.**, **Tamura, M.**: 2014, Surface Geometry of Protoplanetary Disks Inferred From Near-Infrared Imaging Polarimetry, *ApJ*, **795**, 71.
- Takano, S.**, Nakajima, T., Kohno, K., Harada, N., Herbst, E., Tamura, Y., Izumi, T., Taniguchi, A., Tosaki, T.: 2014, Distributions of Molecular in the Circumnuclear Disk and Surrounding Starburst Ring in the Seyfert Galaxy NGC 1068 Observed with ALMA, *PASJ*, **66**, 75.
- Takeda, Y.**, Ohshima, O., **Kambe, E.**, **Toda, H.**, **Koyano, H.**, Sato, B., Nakamura, Y., **Narita, N.**, **Sekii, T.**: 2015, Solar rotation inferred from radial velocities of the Sun-as-a-star during the 2012 May 21 eclipse, *PASJ*, **67**, 10.
- Takeda, Y.**, **Tajitsu, A.**: 2014, Spectroscopic study on the beryllium abundances of red giant stars, *PASJ*, **66**, 91.
- Takeda, Y.**, Ueno, S.: 2014, Empirical investigation on the impact of hydrogen collisions for the formation of C I 1.07 μm lines based on the solar center-to-limb variation, *PASJ*, **66**, 32.
- Takeuchi, S., **Ohsuga, K.**, Mineshige, S.: 2014, Radiation hydrodynamic instability in a plane-parallel, super-Eddington atmosphere: A mechanism for clump formation, *PASJ*, **66**, 48.
- Takiwaki, T., **Kotake, K.**, Suwa, Y.: 2014, A Comparison of Two- and Three-dimensional Neutrino-hydrodynamics Simulations of Core-collapse Supernovae, *ApJ*, **786**, 83.
- Tamada, Y., Murata, T., Hattori, M., **Oya, S.**, **Hayano, Y.**, Kamei, Y., Hasebe, M.: 2014, Optical property analyses of plant cell for adaptive optics microscopy, *Int. J. Optomechatronics*, **8**, 89-99.
- Tamura, T.**, **Noguchi, T.**, **Sekimoto, Y.**, Shan, W., **Sato, N.**, **Iizuka, Y.**, **Kumagai, K.**, **Niizeki, Y.**, **Iwakuni, M.**, **Ito, T.**: 2014, Performance and Uniformity of Mass-Produced SIS Mixers for ALMA Band 8 Receiver Cartridges, *IEEE Trans. Appl. Supercond.*, **25**, 2400305.
- Tanaka, A., Nakanishi, H., **Kuno, N.**, **Hirota, A.**: 2014, Phase transition between atomic and molecular hydrogen in nearby spiral galaxies, *PASJ*, **66**, 66.
- Tanaka, M.**: 2015, Photometric Redshift with Bayesian Priors on Physical Properties of Galaxies, *ApJ*, **801**, 20.
- Tanaka, M.**, et al. including **Iwata, I.**, **Kuroda, D.**, **Miyazaki, S.**, **Morokuma-Matsui, K.**, **Nakata, F.**, **Ohsuga, K.**, **Okada, N.**, **Ukita, N.**: 2014, Discovery of Dramatic Optical Variability in SDSS J1100+4421: A Peculiar Radio-loud Narrow-line Seyfert 1 Galaxy?, *ApJ*, **793**, L26.
- Tasca, L. A. M., et al. including **Tanaka, M.**: 2014, The zCOSMOS redshift survey: evolution of the light in bulges and discs since $z \sim 0.8$, *A&A*, **564**, L12.
- Tatematsu, K.**, **Hirota, T.**, **Ohashi, S.**, Choi, M., Lee, J.-E., Yamamoto, S., **Umemoto, T.**, **Kandori, R.**, Kang, M., **Mizuno, N.**: 2014, Thermal Starless Ammonia Core Surrounded by CCS in the Orion A Cloud, *ApJ*, **789**, 83.
- Thalmann, C., Desidera, S., Bonavita, M., Janson, M., **Usuda, T.**, Henning, T., Kohler, R., Carson, J., Boccaletti, A., Bergfors, C., W. Brandner, W., Feldt, M., Goto, M., Klahr, H., Marzari, F., Mordasini,

- C.: 2014, SPOTS: The Search for Planets Orbiting Two Stars. I. Survey description and first observations, *A&A*, **572**, A91.
- Thalmann, C., Mulders, G. D., Hodapp, K., Janson, M., Grady, C. A., Min, M., de Juan Ovelar, M., Carson, J., Brandt, T., Bonnefoy, M., McElwain, M. W., Leisenring, J., Dominik, C., Henning, T., **Tamura, M.**: 2014, The architecture of the LkCa 15 transitional disk revealed by high-contrast imaging, *A&A*, **566**, A51.
- Toba, Y., Oyabu, S., Matsuhara, H., Malkan, M., Gandhi, P., Nakagawa, T., Isobe, N., **Shirahata, M.**, Oi, N., Ohyama, Y., Takita, S., Yamauchi, C., Yano, K.: 2014, Luminosity and Redshift Dependence of the Covering Factor of Active Galactic Nuclei viewed with WISE and Sloan Digital Sky Survey, *ApJ*, **788**, 45.
- Tokuda, K., Onishi, T., **Saigo, K.**, **Kawamura, A.**, Fukui, Y., Matsumoto, T., Inutsuka, S., Machida, M. N., Tomida, K., Tachihara, K.: 2014, ALMA Observations of a High-density Core in Taurus: Dynamical Gas Interaction at the Possible Site of a Multiple Star Formation, *ApJ*, **789**, L4.
- Tombesi, F., **Tazaki, F.**, Mushotzky, R. F., Ueda, Y., Cappi, M., Gofford, J., Reeves, J. N., Guainazzi, M.: 2014, Ultrafast outflows in radio-loud active galactic nuclei, *MNRAS*, **443**, 2154-2182.
- Toriumi, S.**: 2014, Observations and Modeling of the Solar Flux Emergence, *PASJ*, **66**, S6.
- Toriumi, S.**, Hayashi, K., Yokoyama, T.: 2014, Statistical Analysis of the Horizontal Divergent Flow in Emerging Solar Active Regions, *ApJ*, **794**, 19.
- Toriumi, S.**, Iida, Y., Kusano, K., Bamba, Y., Imada, S.: 2014, Formation of a Flare-Productive Active Region: Observation and Numerical Simulation of NOAA AR 11158, *Sol. Phys.*, **289**, 3351-3369.
- Toshikawa, J.**, **Kashikawa, N.**, Overzier, R., Shibuya, T., **Ishikawa, S.**, Ota, K., Shimasaku, K., **Tanaka, M.**, **Hayashi, M.**, **Niino, Y.**, **Onoue, M.**: 2014, A First Site of Galaxy Cluster Formation: Complete Spectroscopy of a Protocluster at $z = 6.01$, *ApJ*, **792**, 15.
- Totani, T., **Aoki, K.**, **Hattori, T.**, **Kosugi, G.**, **Niino, Y.**, Hashimoto, T., Kawai, N., Ohta, K., Sakamoto, T., Yamada, T.: 2014, Probing intergalactic neutral hydrogen by the Lyman alpha red damping wing of gamma-ray burst 130606A afterglow spectrum at $z = 5.913$, *PASJ*, **66**, 63.
- Tsuiji, M., Asaki, Y., **Kameya, O.**, Yonekura, Y., Miyamoto, Y., Kaneko, H., Seta, M., Nakai, N., Takaba, H., Wakamatsu, K., Miyoshi, M., Fukuzaki, Y., Uehara, K., Sekido, M.: 2015, No Microwave Flare of Sagittarius A* around the G2 Periastron Passing, *ApJ*, **798**, L6.
- Tsujiimoto, T.**, Shigeyama, T.: 2014, Enrichment history of r-process elements shaped by a merger of neutron star pairs, *A&A*, **565**, L5.
- Tsujiimoto, T.**, Shigeyama, T.: 2014, The Origins of Light and Heavy R-process Elements Identified by Chemical Tagging of Metal-poor Stars, *ApJ*, **795**, L18.
- Tsukagoshi, T., Momose, M., **Saito, M.**, Kitamura, Y., Shimajiri, Y., **Kawabe, R.**: 2015, First Detection of [C I] 3P1-3P0 Emission from a Protoplanetary Disk, *ApJ*, **802**, L7.
- Tsumura, K., Arimatsu, K., Egami, E., **Hayano, Y.**, Honda, C., Kimura, J., Kuramoto, K., Matsuura, S., **Minowa, Y.**, **Nakajima, K.**, Nakamoto, T., **Shirahata, M.**, Surace, J., Takahashi, Y., Wada, T.: 2014, Near-infrared Brightness of the Galilean Satellites Eclipsed in Jovian Shadow: A New Technique to Investigate Jovian Upper Atmosphere, *ApJ*, **789**, 122.
- Tsuzuki, T.**, **Nitta, T.**, Imada, H., Seta, M., Nakai, N., Sekiguchi, S., **Sekimoto, Y.**: 2015, Design of wide-field Nasmyth optical system for a submillimeter camera, *J. Astron. Telesc. Instrum. Syst.*, **1**, 025002.
- Ueda, H., Hara, T., **Gouda, N.**, **Yano, T.**: 2014, Torus-fitting method for obtaining action variables in two-dimensional Galactic potentials, *MNRAS*, **444**, 2218-2227.
- Ueda, J.**, **Iono, D.**, Yun, M. S., Crocker, A. F., Narayanan, D., **Komugi, S.**, **Espada, D.**, **Hatsukade, B.**, Kaneko, H., **Matsuda, Y.**, Tamura, Y., Wilner, D. J., **Kawabe, R.**, **Pan, H.-A.**: 2014, Cold Molecular Gas in Merger Remnants. I. Formation of Molecular Gas Disks, *ApJS*, **214**, 1.
- Ueda, S., Saito, N., Friedrich, D., **Aso, Y.**, Somiya, K., **KAGRA Collaboration**: 2014, Method to reduce excess noise of a detuned cavity for application in KAGRA, *Classical Quantum Gravity*, **31**, 095003.
- Umehata, H., Tamura, Y., Kohno, K., **Hatsukade, B.**, Scott, K. S., Kubo, M., Yamada, T., Ivison, R. J., Cybulski, R., Aretxaga, I., Austermann, J., Hughes, D. H., **Ezawa, H.**, Hayashino, T., Ikarashi, S., **Iono, D.**, **Kawabe, R.**, **Matsuda, Y.**, **Matsuo, H.**, **Nakanishi, K.**, **Oshima, T.**, Perera, T., **Takata, T.**, Wilson, G. W., Yun, M. S.: 2014, AzTEC/ASTE 1.1-mm survey of SSA22: Counterpart identification and photometric redshift survey of submillimetre galaxies, *MNRAS*, **440**, 3462-3478.
- Urakawa, S., Ohtsuka, K., Abe, S., **Ito, T.**, Nakamura, N.: 2014, Fast rotation of a sub-km-sized near-Earth object 2011 XA3, *AJ*, **147**, 121.
- Urata, Y., Huang, K., **Takahashi, S.**, Im, M., Yamaoka, K., Tashiro, M., Kim, J. W., Jang, M., Pak, S.: 2014, Synchrotron Self-inverse Compton Radiation from Reverse Shock on GRB 120326A, *ApJ*, **789**, 146.
- Utsumi, Y., **Miyazaki, S.**, Geller, M. J., Dell'Antonio, I. P., Oguri, M., Kurtz, M. J., **Hamana, T.**, Fabricant, D. G.: 2014, Reducing Systematic Error in Weak Lensing Cluster Surveys, *ApJ*, **786**, 93.
- Utsumi, Y.**, et al.: 2014, Reducing Systematic Error in Cluster Scale Weak lensing, *ApJ*, **786**, 93.
- Uzawa, Y.**, **Fujii, Y.**, **Gonzalez, A.**, **Kaneko, K.**, **Kroug, M.**, **Kojima, T.**, Miyachi, A., Makise, K., Saito, S., Terai, H., Wang, Z.: 2014, Tuning Circuit Material for Mass-Produced Terahertz SIS Receivers, *IEEE Trans. Appl. Supercond.*, **25**, 2401005.
- Vaubailon, J., et al. including **Watanabe, J.**: 2015, The 2011 Draconids: The First European Airborne Meteor Observation Campaign, *Earth, Moon, and Planets*, **114**, 137-157.
- Wang, L., Sato, B., **Omiya, M.**, **Harakawa, H.**, Liu, Y., Song, N., He, W., Wu, X., **Izumiura, H.**, **Kambe, E.**, **Takeda, Y.**, Yoshida, M., Itoh, Y., **Ando, H.**, **Kokubo, E.**, Ida, S., Zhao, G.: 2014, A long-period eccentric substellar companion to the evolved intermediate-mass star HD 14067, *PASJ*, **66**, 118.
- Warren, M. L., M.Meixner, Mathews, G. J., Hidaka, J., **Kajino, T.**: 2014, Sterile neutrino oscillations in core-collapse supernova simulations, *Phys. Rev. D*, **90**, 103007.
- Watanabe, H., Kitai, R., **Otsuji, K.**: 2014, Formation and Decay of Rudimentary Penumbra around a Pore, *ApJ*, **796**, 77.
- Xia, C., Keppens, R., **Antolin, P.**, Porth, O.: 2014, Simulating the in Situ Condensation Process of Solar Prominences, *ApJ*, **792**, L38.
- Yagi, M.**, Koda, J., **Furusho, R.**, **Terai, T.**, **Fujiwara, H.**, **Watanabe, J.**: 2015, Initial Speed of Knots in the Plasma Tail of C/2013 R1 (Lovejoy), *AJ*, **149**, 97.
- Yagi, M.**, Gu, L., Koyama, Y., **Nakata, F.**, **Kodama, T.**, **Hattori, T.**, Yoshida, M.: 2015, Discovery of Nine Extended Ionized Gas Clouds in a $z = 0.4$ Cluster, *AJ*, **149**, 36.
- Yamada, K., **Yamaguchi, M.**, Asada, H., **Gouda, N.**: 2014, Improving the moment approach for astrometric binaries: possible application to Cygnus X-1, *PASJ*, **66**, 97.

- Yamada, R., Matsumoto K., Kikuchi, F.,** Sasaki, S.: 2014, Error determination of lunar interior structure by lunar geodetic data on seismic restriction, *Phys. Earth Planet. Inter.*, **231**, 56-64.
- Yamaguchi, M. S.,** Kimura, S. S.: 2014, Effect of lift force on the aerodynamics of dust grains in the protoplanetary disk, *Earth Planets Space*, **66**, 132-141.
- Yamazaki, D. G., Kusakabe, M., **Kajino, T.,** Mathews, G. J., Cheoun, M.-K.: 2014, Cosmological solutions to the Lithium Problem: Big-Bang Nucleosynthesis with Photon Cooling, X-particle Decay and a Primordial Magnetic Field, *Phys. Rev. D*, **90**, 023001.
- Yanagida, T., Sakai, T., **Hirota, T.,** Sakai, N., Foster, J. B., **Sanhueza, P.,** Jackson, J. M., Furuya, K., Aikawa, Y., Yamamoto, S.: 2014, ALMA Observations of the IRDC Clump G34.43+00.24 MM3: 278 GHz Class I Methanol Masers, *ApJ*, **794**, L10.
- Yasui, C., Kobayashi, N., Tokunaga, A. T., **Saito, M.:** 2014, Rapid Evolution of the Innermost Dust Disk of Protoplanetary Disks Surrounding Intermediate-Mass Stars, *MNRAS*, **442**, 2543-2559.
- Yasutake, N., **Kotake, K.,** Kutsuna, M., Shigeyama, T.: 2014, An investigation into surface temperature distributions of high-magnetic-field pulsars, *PASJ*, **66**, 50.
- Yen, H.-W., Koch, P. M., Takakuwa, S., Ho, P. T. P., **Ohashi, N.,** Tang, Y.-W.: 2015, Observations of Infalling and Rotational Motions on a 1000 AU Scale around 17 Class 0 and 0/I Protostars: Hints of Disk Growth and Magnetic Braking?, *ApJ*, **799**, 193.
- Yen, H.-W., Takakuwa, S., Ohashi, N., Aikawa, Y., **Aso, Y., Koyamatsu, S.,** Machida, M., **Saigo, K., Saito, M.,** Tomida, K., **Tomisaka, K.:** 2014, ALMA Observations of Infalling Flows toward the Keplerian Disk around the Class I Protostar L1489 IRS, *ApJ*, **793**, 1.
- Yilmaz, M., Bikmaev, I., Sato, B., Selam, S. O., Galeev, A. I., Keskin, V., **Izumiura, H.,** Irtuganov, E. N., **Kambe, E.,** Özavcı, İ., Melnikov, S. S., Zhuchkov, R. Ya., **Okada, N.:** 2015, Low mass stellar companions around four giant stars, *New Astron.*, **34**, 108-113.
- Yokota, Y., Gwinner, K., Oberst, J., Haruyama, J., Matsunaga, T., Morota, T., **Noda, H., Araki, H.,** Ohtake, M., Yamamoto, S., Gläser, P., Ishihara, Y., Honda, C., **Hirata, N.,** Demura, H.: 2014, Variation of the lunar highland surface roughness at baseline 0.15-100 km and the relationship to relative age, *Geophys. Res. Lett.*, **41**, 1444-1451.
- Yong, D., Alves Brito, Al., Da Costa, G. S., Alonso-García, J., Karakas, A. I., Pignatari, M., Roederer, I. U., **Aoki, W.,** Fishlock, C. K., Grundahl, F., Norris, J. E.: 2014, Chemical abundances in bright giants of the globular cluster M62 (NGC 6266), *MNRAS*, **439**, 2638.
- Yong, D., Roederer, I. U., Grundahl, F., Da Costa, G. S., Karakas, A. I., Norris, J. E., **Aoki, W.,** Fishlock, C. K., Marino, A. F., Milone, A. P., Shingles, L. J.: 2014, Iron and neutron-capture element abundance variations in the globular cluster M2 (NGC 7089), *MNRAS*, **441**, 3396-3416.
- Yoshikawa, T., Nishiyama, S., **Tamura, M.,** Kwon, J., Nagata, T.: 2014, Young Stellar Object Search toward the Boundary of the Central Molecular Zone with Near-infrared Polarimetry, *ApJS*, **213**, 22.
- Yu, H.-S., Jackson, B. V., Buffington, P. P., Hick, P. P., **Shimojo, M.,** **Sako, N.:** 2014, The Three-dimensional Analysis of Hinode Polar Jets using Images from LASCO C2, the Stereo COR2 Coronagraphs, and SMEI, *ApJ*, **784**, 166.
- Zahid, H. J., et al. including **Arimoto, N.:** 2014, The FMOS-COSMOS Survey of Star-forming Galaxies at $z \sim 1.6$. II. The Mass-Metallicity Relation and the Dependence on Star Formation Rate and Dust Extinction, *ApJ*, **792**, 75.
- Zapart, C. A.:** 2015, Econophysics: A challenge to econometricians, *Physica A*, **491**, 318-327.
- Zeidler, S.,** Mutschke, H., Posch, Th.: 2015, Temperature-Dependent Infrared Optical Constants of Olivine and Enstatite, *ApJ*, **798**, 125.
- Zenitani, S.:** 2015, Magnetohydrodynamic structure of a plasmoid in fast reconnection in low-beta plasmas: Shock-shock interactions, *Physics of Plasmas*, **22**, 032114.
- Zhang, Z. Y., Henkel, C., Gao, Y., Gusten, R., Menten, K. M., Papadopoulos, P. P., Zhao, Y. H., **Ao, Y. P.,** Kaminski, T.: 2014, Physical conditions of molecular gas in the Circinus galaxy Multi-J CO and C I P-3(1) \rightarrow P-3(0) observations, *A&A*, **568**, A122.
- Zhao, G. Y., Chen, Y. J., Shen, Z. Q., Sudou, H., **Iguchi, S.:** 2015, Multi-epoch Multi-frequency VLBI Study of the Persec-scale Jet in the Blazar 3C 66A, *AJ*, **149**, 46.

2. Publications of the National Astronomical Observatory of Japan

Not Published.

3. Report of the National Astronomical Observatory of Japan (in Japanese)

Nakagiri, M.: 2014, The temperature and humidity of the spectroscopy room for Solar Tower Telescope (Maintenance of National Astronomical Observatory cultural assets (1)), *Rep. Nat. Astron. Obs. Japan*, **16**, 1-19.

Miyoshi, M., Okada, N., Mitsui, K., Ishitsuka, J., Kasuga, T.: 2014, A Study for Cost Reduction in Making Antenna Surface for Short Millimeter-Wave Receiving — Toward the Observation of Black Hole Horizon, *Rep. Nat. Astron. Obs. Japan*, **16**, 21-42.

4. Conference Proceedings

Akitaya, H., et al. including **Nakaya, H., Yamashita, T.:** 2014, HONIR: an optical and near-infrared simultaneous imager, spectrograph, and polarimeter for the 1.5-m Kanata telescope, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 914740.

Akiyama, M., **Oya, S., Ono, Y. H., Takami, H., Ozaki, S., Hayano, Y., Iwata, I., Hane, K., Wu, T., Yamamuro, T., Ikeda, Y.:** 2014, TMT-AGE: wide field of regard multi-object adaptive optics for TMT, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914814.

Aleman, I., et al. including **Izumiura, H.:** 2015, Herschel Planetary Nebula Survey (HerPlaNS): First Detection of OH⁺ in Planetary Nebulae, AAS Meeting #225, #108.05.

Ao, Y., Henkel, C., Menten, K. M., Requena-Torres, M. A., Stanke, T., Mauersberger, R., Aalto, S., Muehle, S., Mangum, J.: 2014, The thermal state of molecular clouds in the Galactic center: evidence for non-photon-driven heating, Proc. IAU Symp. 303, Eds. L. O. Sjouwerman, C. C. Lang, J. Ott, 89-91.

Aoki, M., **Aoki, W., Ishimaru, Y., Wanajo, S.:** 2014, Diversity of abundance patterns of neutron-capture elements in very metal-poor stars, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 123-128.

Asaki, Y., Matsushita, S., **Kawabe, R., Fomalont, E., Barkats, D., Corder, S.:** 2014, ALMA fast switching phase calibration on long baselines, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91454K.

Asayama, S., Knee, L. B., Calisse, P. G., Colque, J. P., Lopez, C. M., Nakos, T., Phillips, N. M., Plarre, K. H., Radiszcz, M. C., Siringo, G., Whyborn, N. D., Yatagai, H.: 2014, ALMA band 10 (787-950 GHz) first astronomical fringes, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91454I.

Baba, J., **Morokuma-Matsui, K., Saitoh, T. R.:** 2015, The Structure and Kinematics of the ISM in Simulated Star-forming Galaxies,

Proc. IAU Symp. 309, B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, 299.

Bédorf, J., Gaburov, E., **Michiko, F., Nitadori, K., Ishiyama, T., Portegies Z. S.:** 2014, 24.77 Pflops on a Gravitational Tree-Code to Simulate the Milky Way Galaxy with 18600 GPUs, SC '14 Proc. of the Inter. Conf. for High Performance Computing, Networking, Storage and Analysis.,

Bigelow, B. C., Radovan, M. V., Bernstein, R. A., Onaka, P. M., Yamada, H., Isani, S., **Miyazaki, S., Ozaki, S.:** 2014, Conceptual design of the MOBIE imaging spectrograph for TMT, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 914728.

Nishiyama, S., Hatano, H., Nagata, T., **Tamura, M.:** 2015, Near-infrared Polarimetry and Interstellar Magnetic Fields in the Galactic Center, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 387.

Brandt, T., et al. including **Guyon, O., Hayashi, M., Jovanovic, N., Takato, N., Tamura, M.:** 2014, CHARIS science: performance simulations for the Subaru Telescope's third-generation of exoplanet imaging instrumentation, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914849.

Castro, A., Miyaji, T., **Shirahata, M., Oyabu, S., Clark, D., Ichikawa, K., Imanishi, M., Nakagawa, T., Ueda, Y.:** 2014, A 2.5–5 μm spectroscopic study of hard X-ray selected AGNs with AKARI, Proc. IAU Symp. 304, Eds. A. M. Mickaelian, D. B. Sanders, 66-67.

Cesar de Oliveira, A., et al. including **Ueda, A.:** 2014, Fiber optical cable and connector system (FOCCoS) for PFS/ Subaru, Proc. SPIE 9151, Eds. R. Navarro; C. R. Cunningham; A. A. Barto, 91514G.

Chen, W. P., Su, B. H., Eswarajah, C., Pandey, A. K., Wang, C. W., Lai, S. P., **Tamura, M., Sato, S.:** 2015, Magnetic Field Structure in Molecular Clouds by Polarization Measurements, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 390.

Cheoun, M. K., Kim, K. S., Saito, K., **Kajino, T., Tsushima, K., Maruyama, T.:** The in-medium effects on the neutrino reaction in dense matter, AIP Conf. Proc. 1604, Eds. B. Szczerbinska, R. Allahverdi, K. Babu, B. Balantekin, B. Dutta, T. Kamon, J. Kumar, P. Sandick, 156-153.

Cheoun, M.-K., Miyatsu, T., Ryu, C. Y., Deliduman, C., Güngör, C., Keleş, V., **Kajino, T., Mathews, G. J.:** Possible ambiguities in the equation of state for neutron stars, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 414-419.

Chida, H.: 2014, Probing Very Early Stage of Radio Source Evolution in NGC 1275 with VERA, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 73.

Chun, M. R., **Lai, O., Butterley, T., Goebel, S., Baranec, C., Toomey, D.:** 2014, Extremely high-resolution ground-layer optical turbulence profile at Mauna Kea, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914867.

Chun, M. R., **Lai, O., Toomey, D., Lu, J. R., Baranec, C., Thibault, S., Brousseau, D., Zhang, H., Hayano, Y., Oya, S.:** 2014, imaka: a path-finder ground-layer adaptive optics system for the University of Hawaii 2.2-meter telescope on Maunakea, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91481K.

Das, M., **Saito, T., Iono, D., Honey, M., Ramya, S.:** 2014, Molecular Gas and Star Formation in Void Galaxies, Proc. IAU Symp. 308, Eds. R. van de Weygaert, S. Shandarin, E. Saar, J. Einasto, 23-28.

Dober, B. J., et al. including **Nakamura, F.:** 2014, The next-generation BLASTPol experiment, Proc. SPIE 9153, Eds. W. S. Holland, J.

- Zmuidzinas, 91530H.
- Ebizuka, N., Morita, S., Yamagata, Y., Sasaki, M., Bianco, A., Tanabe, A., Hashimoto, N., Hirahara, Y., **Aoki, W.**: 2014, Birefringence Bragg Binary (3B) grating, quasi-Bragg grating and immersion gratings, Proc. SPIE 9151, Eds. R. Navarro; C. R. Cunningham; A. A. Barto, 91515C.
- Eguchi, S., Kawasaki, W., Shirasaki, Y., Komiya, Y., Kosugi, G., Ohishi, M., Mizumoto, Y., Kobayashi, T.**: 2014, Demonstration of a Data Distribution System for ALMA Data Cubes, ASP Conf. Ser. 485, Astronomical Data Analysis Software and Systems XXIII, Eds. N. Manset, P. Forshay, 7-10.
- Espada, D.**, et al. including **Saito, M.**: 2014, Status of ALMA offline software in the transition from construction to full operations, Proc. SPIE 9149, Eds. A. B. Peck, C. R. Benn, R. L. Seaman, 91491S.
- Flaminio, R.**: 2014, Status and Prospect of Gravitational Waves detectors, Proc. of the 24th workshop on General Relativity and Gravitation in Japan, Eds. S. Mukohyama, et al.,
- Fujii, M.**, Baba, J.: 2015, Dynamical evolution of star clusters in transient spiral arms, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 359.
- Fujimoto, K.**: 2014, Dissipation mechanism in 3D collisionless magnetic reconnection, J. Phys.: Conf. Ser., 511, 12012.
- Fujinaga, Y., Niinuma, K., Kimura, A., Fujisawa, K., Akutagawa, K., Motogi, K., Sugiyama, K., **Oyama, T., Kono, Y., Sawada-Satoh, S., Mizuno, S., Fukuzaki, Y., Takemura, S.**: 2014, The survey for new AGN candidates within the field of Fermi unassociated gamma-ray sources, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 77.
- Fujishiro, N., Kitao, E., Shimizu, T., Matsui, T., Ikeda, Y., Kawakita, H., **Oya, S.**: 2014, CRAO: a compact and refractive adaptive-optics, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91485W.
- Fukue, K., Matsunaga, N., Yamamoto, R., Yasui, C., Hamano, S., Kobayashi, N., **Tsujimoto, T.**, Kondo, S., Ikeda, Y.: 2014, Derivation of stellar abundances with near-infrared spectra: The case of metallic standard stars, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 70-75.
- Furusawa, S.**, Nagakura, H., Sumiyoshi, K., Yamada, S.: 2014, The influence of inelastic neutrino interactions with light clusters on core-collapse supernova simulations, J. Phys.: Conf. Ser., 569, 012059.
- Giono, G., Ishikawa, R., Katsukawa, Y., Bando, T., Kano, R., Suematsu, Y., Narukage, N., Sakao, T., Kobayashi, K., Auchere, F.**: 2014, Current Progress of Optical Alignment Procedure of CLASP's Lyman-Alpha Polarimetry Instrument, Proc. SPIE 9144, Eds. T. Takahashi, J.-W. A. den Herder, M. Bautz, 91443E.
- Gonzalez, A., Fujii, Y., Kaneko, K., Kroug, M., Kojima, T.**, Kuroiwa, K., Miyachi, A., Makise, K., Wang, Z., **Asayama, S., Uzawa, Y.**: 2014, ALMA band 10 (787-950 GHz): summary of the production of 73 receivers and first light results, Proc. SPIE 9153, Eds. W. S. Holland, J. Zmuidzinas, 91530N.
- Groff, T., Kasdin, N. J., Limbach, M. A., Galvin, M., Carr, M. A., Knapp, G., Brandt, T., Loomis, C., Jarosik, N., Mede, K., McElwain, M. W., Janson, M., **Guyon, O., Jovanovic, N., Takato, N., Martinache, F., Hayashi, M.**: 2014, Construction and status of the CHARIS high contrast imaging spectrograph, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91471W.
- Gusev, A., Ping, J., **Hanada, H., Kikuchi, F.**, Kosov, A., Li, J., Titov, O.: 2014, Radio Navigation Beacons on the Moon, Lunar Geodetic VLBI System, Physical Libration of the Moon for Chang'E-3/4, Luna-Glob, Luna-Resource and SELENE-2 Projects, IVS 2014 General Meeting Proc. "VGOS: The New VLBI Network", Eds. D. Behrend, K. D. Baver, K. L. Armstrong, 485-489.
- Guyon, O., Hayano, Y., Tamura, M., Kudo, T., Oya, S., Minowa, Y., Lai, O., Jovanovic, N., Takato, N., Kasdin, J., Groff, T., Hayashi, M., Arimoto, N., Takami, H., Bradley, C., Sugai, H., Perrin, G., Tuthill, P., Mazin, B.**: 2014, Adaptive optics at the Subaru telescope: current capabilities and development, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91481R.
- Hada, K.**, Giroletti, M., Giovannini, G., Casadio, C., Beilicke, M., Cesarini, A., Cheung, C. C. T., Doi, A., Gomez, J. L., Kino M., **Nagai, H.**: 2014, Continuing EVN monitoring of HST-1 in the jet of M87, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 18.
- Hagino, M., Ichimoto, K., Kimura, G., Nakatani, Y., Kawate, T., **Shinoda, K., Suematsu, Y., Hara, H., Shimizu, T.**: 2014, Development of a universal tunable filter for future solar observations, Proc. SPIE 9151, Eds. R. Navarro; C. R. Cunningham; A. A. Barto, 91515V.
- Hamano, S., Kobayashi, N., Kondo, S., **Tsujimoto, T.**, Okoshi, K., Shigeyama, T.: 2014, Type-Ia SNR at $z=3.5$ seen in the three lines of sight toward the gravitationally lensed QSO B1422+231, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 117-122.
- Hanada, H.**, et al. including **Tsuruta, S., Araki, H., Asari, K., Kashima, S., Tazawa, S., Noda, H., Matsumoto, K., Gouda, N., Yano, T., Niwa, Y., Iwata, T.**: 2014, Some technological problems in development of a small telescope for gravimetry, IAG Symp. on Terrestrial Gravimetry: Static and Mobile Measurements Proc., Ed. A. K. Krytova, 198-203.
- Handa, T., et al. including **Agata, H.**: 2015, Mitaka "Taiyokei" (solar system) walk; a collaborative science outreach program by institutes, local government, and shopping stores, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 650.
- Handa, T., Hata, K., Hara, T., Horaguchi, T., **Hiramatsu, M.**, Arai, T., Sato, Y., Ohnishi, K.: 2015, A Global view of the Eclipse over the Earth (GEE) in 2009 and 2012, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 651.
- Hara, T., **Naoteru, G., Yano, T.**, Yamada, Y.: 2014, Evaluation of centroiding algorithm error for Nano-JASMINE, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 914354.
- Hayano, Y., Akiyama, M., Hattori, T., Iwata, I., Kodama, T., Lai, O., Minowa, Y., Ono, Y. H., Oya, S., Takiura, K., Tanaka, I., Tanaka, Y., Arimoto, N.**: 2014, ULTIMATE-SUBARU: project status, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91482S.
- Helminiak, K. G., Kuzuhara, M., **Kudo, T., Tamura, M.**, Usuda, T., Hashimoto, J., Matsuo, T., McElwain, M. W., Momose, M., Tsukagoshi, T.: 2015, SEEDS — Direct Imaging Survey for Exoplanets and Disks, 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, Eds. G. van Belle, H. C. Harris, 749-758.
- Hibi, Y., Jiandong, S., Hua, Q., **Matsuo, H.**, Lin, K., Jian, C., Peiheng, W.: 2014, Cryogenic GaN/AlGaIn HEMT ICs and fabrication probability of monolithic sensor of super- and semiconductor devices, 11th Int. Workshop on Low Temperature Electronics (WOLTE), 25-28.
- Hirai, Y., **Kajino, T., Hidaka, J.**, Shibagaki, S., Mathews, G. J.: 2014, Chemo-dynamical evolution of colliding dwarf spheroidal galaxies, AIP

- Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 58-63.
- Hiramatsu, M.:** 2015, Communicating ALMA with the Public in Japan, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 639.
- Honma, M.:** 2014, Maser Astrometry with VLBI and Galactic Structure, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 55.
- Ichikawa, K., **Imanishi, M.**, Ueda, Y., Nakagawa, T., **Shirahata, M.**, Kaneda, H., Oyabu, S.: 2014, Unveiling Energy Contribution of Buried AGN in Infrared Galaxies, Proc. of “Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe”, Eds. M. Ishida, R. Petre, K. Mitsuda, 323.
- Iguchi, S., Iono, D.:** 2014, What are scientifically valuable developments for ALMA enhancement?, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 914520.
- Iizuka, R., et al. including **Umemoto, T., Hirota, T., Hanayama, H.:** 2014, Simultaneous Multi-Wavelength Observations of Large Flare stars, Proc. of “Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe”, Eds. M. Ishida, R. Petre, K. Mitsuda, 154.
- Inoue, T.:** 2014, Three-Dimensional Simulation of Molecular Cloud Formation, Astrophysics and Space Science Proc., 36, 165.
- Ishikawa, R., Bando, T., Hara, H., Ishikawa, S., Kano, R., Kubo, M., Katsukawa, Y., Kobiki, T., Narukage, N., Suematsu, Y.,** Tsuneta, S., Aoki, K., Miyagawa, K., Ichimoto, K., Kobayashi, K., Auchere, F., CLASP team: 2014, Precision VUV Spectro-Polarimetry for Solar Chromospheric Magnetic Field Measurements, ASP Conf. Ser. 489, Solar Polarization 7, Eds. K. N. Nagendra, J. O. Stenflo, Zhongquan Qu, M. Sampurna, 319-321.
- Itoh, R., Kawaguchi, K., Moritani, Y., Hashimoto, O., **Kinugasa, K.**, Morihana, K., Takahashi, J., Itoh, Y., Imai, M., Watanabe, M., Nogami, D., Kawai, N.: 2014, MAXI J1932+091/Swift J193310.4+091141: Optical Counterpart with Emission Lines, The Astronomer’s Telegram, #6186.
- Jike, T., Tamura, Y., Shizugami, M.:** 2014, VERA 2013 Geodetic Activities, International VLBI Service for Geodesy and Astrometry 2013 Annual Report, Eds. K. D. Baver, D. Behrend, K. L. Armstrong, 139-141.
- Jovanovic, N.**, et al. including **Guyon, O., Clergeon, C., Singh, G., Kudo, T., Minowa, Y., Hayano, Y., Lai, O., Kotani, T.:** 2014, Development and recent results from the Subaru coronagraphic extreme adaptive optics system, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91471Q.
- Jovanovic, N., Guyon, O.,** Martinache, F., Schwab, C., Cvetojevic, N.: 2014, How to inject light efficiently into single-mode fibers, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91477P.
- Kajino, T., Aoki, W.,** Balantekin, A. B., Cheoun, M.-K., Hayakawa, T., Hidaka, J., Hirai, Y., Kusakabe, M., Mathews, G. J., Nakamura, K., Pehlivan, Y., **Shibagaki, S., Suzuki, T.:** 2014, Cosmological and supernova neutrinos, AIP Conf. Proc. 1604, Eds. B. Szczerbinska, R. Allahverdi, K. Babu, B. Balantekin, B. Dutta, T. Kamon, J. Kumar, P. Sandick, 193-200.
- Kajino, T., Aoki, W.,** Cheoun, M.-K., Hayakawa, T., Hidaka, J., Hirai, Y., Mathews, G. J., Nakamura, K., **Shibagaki, S., Suzuki, T.:** 2014, Supernova neutrinos and explosive nucleosynthesis, AIP Conf. Proc. 1595, Eds. C. Spitaleri, L. Lamia, R. G. Pizzone, 84-97.
- Kajino, T., Aoki, W., Cheoun, M.-K., Hayakawa, T., Hidaka, J.,** Hirai, Y., Mathews, G. J., Nakamura, K., Shibagaki, S., **Suzuki, T.:** 2014, Supernova constraints on neutrino oscillation and EoS for proto-neutron star, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 319-325.
- Kamata, Y., Nakaya, H., Kawanomoto, S., Miyazaki, S.:** 2014, A few phenomena on the fully depleted CCDs at the engineering observation of Hyper Suprime-Cam, Proc. SPIE 9154, Eds. A. D. Holland, J. Beletic, 91541Z.
- Kamegai, K., Takanashi, N., **Hiramatsu, M., Naito, S.:** 2015, Communicating Astronomy in a Metropolis and Disaster Area - Activities of the Tenpla Project, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 634.
- Kameno, S., Miccolis, M., Sugimoto, M., Nakos, T.:** 2014, Efficient spurious signal detection and mitigation in single-dish radio spectroscopy, Proc. SPIE 9153, Eds. W. S. Holland, J. Zmuidzinas, 91532L.
- Kameno, S., Mizuno, I., Nakamura, F.,** Kuroo, M., Kano, A., **Kawaguchi, N., Shibata, K. M., Kuno, N., Takano, S., Kuji, S.:** 2014, The software-based polarization spectrometer PolariS, Proc. SPIE 9153, Eds. W. S. Holland, J. Zmuidzinas, 91532D.
- Kawasaki, W., Eguchi, S., Shirasaki, Y.,** Komiya, Y., **Kosugi, G., Ohishi, M., Mizumoto, Y.:** 2014, Vissage: Recent Development Status, ASP Conf. Ser. 485, Astronomical Data Analysis Software and Systems XXIII, Eds. N. Manset, P. Forshay, 285-288.
- Kim, J. S., Kim, S. W.:** 2014, Transition in the Outflow Evolution of the Massive Star-forming Region W75N, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 42.
- Kitagawa, Y., **Ozaki, S.,** Motohara, K., Konishi, M., Takahashi, H., Tateuchi, K., Todo, S., Kato, N., Yoshikawa, T.: 2014, Concept and optical design of the near-infrared integral field unit for SWIMS, Proc. SPIE 9151, Eds. R. Navarro, C. R. Cunningham, A. A. Barto, 91514P.
- Kiuchi, H.:** 2014, A wide-bandwidth chromatic dispersion measurement method, Proc. MWP 2014, TuED-5, IEICE, IEEE MTT-S, 383-385.
- Kiuchi, H., Yamada, M., Sugimoto, M., Saito, M.:** 2014, A Holography Receiver for the Atacama Large Millimeter/Submillimeter Array Antenna and the Measured Surface Deformation, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91454J.
- Kobayashi, Y., Niwa, Y., Yano, T., Gouda, N.,** Hara, T., Yamada, Y.: 2014, Measurement of pixel response functions of a fully depleted CCD, Proc. SPIE 9154, Eds. A. D. Holland, J. Beletic, 91541W.
- Kodama, T., Hayashi, M., Koyama, Y., Tadaki, K., Tanaka, I., Shimakawa, R., Suzuki, T., Yamamoto, M.:** 2015, Mapping and resolving galaxy formation at its peak epoch with Mahalo-Subaru and Gracias-ALMA, Proc. IAU Symp. 309, B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo.,
- Koike, M., Furusawa, H., Takata, T.,** Price, P., Okura, Y., **Yamada, Y., Yamanoi, H.,** Yasuda, N., Bickerton, S., Katayama, N., **Mineo, S.,** Lupton, R., Bosch, J., Loomis, C.: 2014, Web-based data providing system for Hyper Suprime-Cam, Proc. SPIE 9149, Eds. A. B. Peck, C. R. Benn, R. L. Seaman, 914920.
- Koike, M., Furusawa, H., Takata, T.,** Price, P., Okura, Y., **Yamada, Y., Yamanoi, H.,** Yasuda, N., Bickerton, S., Katayama, N., **Mineo, S.,** Lupton, R., Bosch, J., Loomis, C.: 2014, Web-based Hyper Suprime-Cam Data Providing System, ASP Conf. Ser. 485, Astronomical Data

- Analysis Software and Systems XXIII, Eds. N. Manset, P. Forshay, 297-300.
- Komatsubara, T., Kwon, Y. K., Moon, J. Y., Kim, Y.-K., Moon, C.-B., Ozawa, A., Sasa, K., Onishi, T., Yuasa, T., Okada, S., **Kajino, T.**: Astrophysical S-factor for destructive reactions of lithium-7 in big bang nucleosynthesis, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 18-22.
- Komatsubara, T., Yuasa, T., Onishi, T., Saito, Y., Okada, S., Sasa, K., Ozawa, A., Hayakawa, T., Shizuma, T., **Kajino, T.**, Kubono, S.: Study for Big-Bang Nucleosynthesis concerning Lithium Isotopes, Conf. Proc. of the 12th Asia Pacific Physics Conf., 013055.
- Kotani, T., et al. including **Tamura, M., Suto, H., Nishikawa, J., Aoki, W., Usuda, T., Kurokawa, T., Morino, J.-I., Narita, N., Kokubo, E., Hayano, Y., Izumiura, H., Kambe, E., Kudo, T., Kusakabe, N., Fukui, A., Guyon, O., Harakawa, H., Hayashi, M., Kuzuhara, M., Takami, H., Takato, N., Terada, H.**: 2014, Infrared Doppler instrument (IRD) for the Subaru telescope to search for Earth-like planets around nearby M-dwarfs, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 914714.
- Krumholz, M. R., Bate, M. R., Arce, H. G., Dale, J. E., Gutermuth, R., Klein, R. I., Li, Z.-Y., **Nakamura, F.**, Zhang, Q.: 2014, Star Cluster Formation and Feedback, Protostars and Planets VI, 243-266.
- Kubo, M.**, et al. including **Kano, R., Bando, T., Narukage, N., Ishikawa, R., Katsukawa, Y., Ishikawa, S., Suematsu, Y., Hara, H.**: 2014, A Sounding Rocket Experiment for the Chromospheric Lyman-Alpha Spectro-Polarimeter (CLASP), ASP Conf. Ser. 489, Solar Polarization 7, Eds. K. N. Nagendra, J. O. Stenflo, Zhongquan Qu, M. Sampoorna, 307-317.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140419A: MITSuME Ishigakijima Optical Observation, GRB Coordinates Network, Circular Service, 16132, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140629A: MITSuME Ishigakijima Optical Observation, GRB Coordinates Network, Circular Service, 16488, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140705A: MITSuME Ishigakijima upper limits, GRB Coordinates Network, Circular Service, 16526, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140824A: MITSuME Ishigakijima upper limits, GRB Coordinates Network, Circular Service, 16734, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140907A: MITSuME Ishigakijima Optical Observation, GRB Coordinates Network, Circular Service, 16794, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141031B: MITSuME Ishigakijima Upper limits, GRB Coordinates Network, Circular Service, 17012, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141109A: MITSuME Ishigakijima Upper limits, GRB Coordinates Network, Circular Service, 17049, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141121A: MITSuME Ishigakijima Optical Observation, GRB Coordinates Network, Circular Service, 17091, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141121A: MITSuME Ishigakijima Optical Observation after 3 days, GRB Coordinates Network, Circular Service, 17098, 1.
- Kuroda, D., Hanayama, H., Miyaji, T., Watanabe, J., Yanagisawa, K., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141121A: MITSuME Ishigakijima Optical Observation after 7days, GRB Coordinates Network, Circular Service, 17114, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140408A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16086, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140419A: MITSuME Okayama Optical Observation, GRB Coordinates Network, Circular Service, 16131, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140423A: MITSuME Okayama Optical Observation, GRB Coordinates Network, Circular Service, 16160, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140502A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16209, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140521A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16314, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140614B: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16405, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140706A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16524, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 140916A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16823, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141015A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 16917, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141212A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 17172, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S.**, Yoshida, M., Ohta, K., Kawai, N.: 2014, GRB 141220A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 17204, 1.

- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S., Yoshida, M., Ohta, K., Kawai, N.:** 2014, GRB 141225A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 17244, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S., Yoshida, M., Ohta, K., Kawai, N.:** 2014, GRB140907A: MITSuME Okayama Optical Observation, GRB Coordinates Network, Circular Service, 16793, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S., Yoshida, M., Ohta, K., Kawai, N.:** 2015, GRB 150120B: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 17331, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S., Yoshida, M., Ohta, K., Kawai, N.:** 2015, GRB 150203A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 17395, 1.
- Kuroda, D., Yanagisawa, K., Shimizu, Y., Toda, H., Nagayama, S., Yoshida, M., Ohta, K., Kawai, N.:** 2015, GRB 150302A: MITSuME Okayama upper limits, GRB Coordinates Network, Circular Service, 17537, 1.
- Kusakabe, M., Kim, K. S., Cheoun, M.-K., **Kajino, T.**, Kino, Y., Mathews, G. J.: New effects of a long-lived negatively charged massive particle on big bang nucleosynthesis, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 29-34.
- Lai, O., Véran, J. P., Herriot, G., White, J., Ball, J., Trujillo, C.:** 2014, Altair performance and upgrades, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914838.
- Lanz, A., Arai, T., Battle, J., Bock, J., Cooray, A., Hristov, V., Korngut, P., Lee, D., Mason, P., Matsumoto, T., Matsuura, S., Morford, T., Onishi, Y., **Shirahata, M.**, Tsumura, K., Wada, T., Zemcov, M.: 2014, Studying extragalactic background fluctuations with the Cosmic Infrared Background Experiment 2 (CIBER-2), Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 91433N.
- Lardiere, O., Andersen, D., Blain, C., Bradley, C., Gamroth, D., Jackson, K., Lach, P., Nash, R., Venn, K., Veran, J.-P.; Correia, C., **Oya, S., Hayano, Y., Terada, H.**, Ono, Y. H., Akiyama, M.: 2014, Multi-object adaptive optics on-sky results with Raven, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91481G.
- Lee, M., Suzuki, K., Kohno, K., Tamura, Y., Iono, D., Hatsukade, B., Nakanishi, K., Tanaka, I., Kodama, T., Tadaki, K., Ikarashi, S., Ueda, J., Umehata, H., Saito, T., Kawabe, R.:** 2015, Jansky VLA S-band view of H α emitters (HAEs) associated with a protocluster 4C23.56 at $z = 2.5$, Proc. IAU Symp. 309, B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, 287-288.
- Lozi, J., Belikov, R., Thomas, S. J., Pluzhnik, E., Bendek, E., Guyon, O., Schneider, G.:** 2014, Experimental study of a low-order wavefront sensor for high-contrast coronagraphic imagers: results in air and in vacuum, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 914322.
- Maehara, H., Kojima, T., Fujii, M.:** 2014, FU Ori-type outburst of 2MASS J06593158-0405277, The Astronomer's Telegram, #6770.
- Maehara, H., Ukita, N.:** 2015, New outburst of the young binary system Z Cma, The Astronomer's Telegram, #6874.
- Males, J., et al. including **Guyon, O.:** 2014, Direct imaging of exoplanets in the habitable zone with adaptive optics, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914820.
- Martinache, F., **Guyon, O., Jovanovic, N., Clergeon, C., Singh, G., Kudo, T.:** 2014, On-sky speckle nulling with the Subaru Coronagraphic Extreme AO (SCEXAO) instrument, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914821.
- Maruyama, T., Hidaka, J., **Kajino, T.**, Yasutake, N., Kuroda, T., Cheoun, M.-K., Ryu, C.-Y., Mathews, G. J.: Asymmetric Neutrino Emission Process in Rapid Spin-Deceleration of Magnetized Proto-Neutron Stars, Conf. Proc. of the 12th Asia Pacific Physics Conf., 013042.
- Mathews, G., **Kajino, T.**, Yamazaki, D., Kusakabe, M., Cheoun, M.-K.: Primordial nucleosynthesis: A cosmological point of view, AIP Conf. Proc. 1595, Eds. C. Spitaleri, L. Lamia, R. G. Pizzone, 11-18.
- Matsumoto, E., Morokuma, T., Tominaga, N., **Tanaka, M.**, Shibata, T., Mameta, K., Stritzinger, M., Taddia, F.: 2014, Supernova 2014dh, Central Bureau Electronic Telegrams, 3982, 1.
- Matsuo, T., et al. including **Kotani, T., Oya, S., Tamura, M.:** 2014, High-contrast planet imager for Kyoto 4m segmented telescope, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91471V.
- Matsushita, S., Asaki, Y., **Kawabe, R.**, Fomalont, E., Barkats, D., Corder, S.: 2014, Phase characteristics of the ALMA 3-km baseline data, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91453I.
- Matsuzawa, A., Saito, M., Iguchi, S., Nakanishi, K., Saito, H.:** 2014, Development of high-accuracy pointing verification for ALMA antenna, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91451Z.
- Mitsui, K., Nitta, T., Okada, N., Sekimoto, Y., Karatsu, K., Sekiguchi, S., Sekine, M., Noguchi, T.:** 2014, Fabrication of 721-pixel silicon lens array of an MKID camera, Proc. SPIE 9153, Eds. W. S. Holland, J. Zmuidzinas, 91532T.
- Miura, N., Oh-ishi, A., Aoki, S., Mogaki, H., Kuwamura, S., Baba, N., **Hanaoka, Y.**, Yamaguchi, M., Ueno, S., Nakatani, Y., Ichimoto, K.: 2014, Development of a new solar adaptive optics system at the Hida Observatory, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914831.
- Moore, A. M., et al. including **Suzuki, R., Ikenoue, B., Obuchi, Y., Saito, S., Uraguchi, F., Usuda, T.:** 2014, The Infrared Imaging Spectrograph (IRIS) for TMT: instrument overview, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 914724.
- Morokuma, T., Shibata, T., Matsumoto, E., Tsvetkov, D., Pavlyuk, N., Fukuda, S., Tominaga, N., **Tanaka, M.**, Stritzinger, M., Hsiao, E., Taddia, F., Pastorello, A.: 2014, Supernova 2014bk, Central Bureau Electronic Telegrams, 3894, 1.
- Morokuma, T., Tominaga, N., **Tanaka, M.**, Mameta, K., Fukuda, S., Tomita, K., Morrell, N., Phillips, M., Hsiao, E. Y.: 2014, Supernova 2014cf, Central Bureau Electronic Telegrams, 3944, 1.
- Morokuma, K., Baba, J., Sorai, K., Kuno, N.:** 2015, Gas Accretion History Galaxies at $z \sim 0-2$: Comparison of the Observational Data of Molecular Gas with the Mass Evolution Model of Galaxies, Proc. IAU Symp. 309, B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, 332.
- Morokuma, T., Tominaga, N., Matsumoto, E., Shibata, T., Yamanaka, M., **Tanaka M.:** 2014, Dwarf Nova in Gemini, Central Bureau Electronic Telegrams, 4013, 1
- Murakami, N., et al. including **Tamura, M.:** 2014, Recent progress on phase-mask coronagraphy based on photonic-crystal technology, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 914334.

- Muzic, K., Scholz, A., Jayawardhana, R., Geers, V. C., Dawson, P., Ray, T. P., **Tamura, M.**: 2014, The SONYC survey: Towards a complete census of brown dwarfs in star forming regions, XIV Latin American Regional IAU Meeting, Eds. A. Mateus, J. Gregorio-Hetem, R. Cid Fernandes, 141-142.
- Naito, H., Mizogoshi, S., Arai, A., **Tajitsu, A.**, Narusawa, S., Yamanaka, M., Fujii, M., Iijima, T., **Kinugasa, K.**, Kurita, M., Nagayama, T., Yamaoka, H., Sadakane, K.: 2014, Observational Study of the Extremely Slow Nova V1280 Scorpii, ASP Conf. Ser. 490, Eds. P. A. Woudt, V. A. R. M. Ribeiro, 139-142.
- Nakahara, H., Nakanishi, H., **Iwai, K.**: 2014, An AWF digital spectrometer for a radio telescope, 2014 Int. Conf. on ReConFigurable Computing and FPGAs (ReConFig 2014), 1-6.
- Nakahara, S.**: 2014, Multi-epoch, quasi-simultaneous 22/43 GHz observations of the M84 nucleus with VERA, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 100.
- Nakamura, K.**: 2014, Recursive structure in the definitions of gauge-invariant variables for any order perturbations, Proc. of the 24th workshop on General Relativity and Gravitation in Japan, Eds. S. Mukohyama, et al.
- Namiki, N.**, Mizuno, T., **Hirata, N.**, **Noda, H.**, Senshu, H., **Yamada, R.**, Ikeda, H., **Matsumoto, K.**, **Oshigami, S.**, Miyamoto, H., Abe, S., Sasaki, S., **Araki, H.**, **Tazawa, S.**, **Shizugami, M.**, Ishihara, Y., Kobayashi, M., Wada, K., Demura, H., Kimura, J.: 2014, Scientific Use Of LIDAR data Of Hayabusa-2 Mission, Proc. of An Int. CJMT-1 Workshop on Asteroidal Science: New Results in the Observations and Space Exploration of Asteroids, 74-96.
- Nishikawa, J.**, Oya, M., Horie, M., Sato, K., Fukase, M., Murakami, N., Kotani, T., Kumagai, S., **Tamura, M.**, Tanaka, Y., **Kurokawa, T.**: 2014, A coronagraph system with unbalanced nulling interferometer: progress of optics and control method, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 91433A.
- Nishiyama, S., Yasui, K., Nagata, T., Yoshikawa, T., Uchiyama, H., **Tamura, M.**: 2014, The origin of the Galactic center diffuse X-ray emission investigated by near-infrared imaging and polarimetric observations, Proc. IAU Symp. 303, Eds. L. O. Sjouwerman, C. C. Lang, J. Ott, 449-453.
- Nishiyama, S., Yasui, K., Nagata, T., Yoshikawa, T., Uchiyama, H., **Tamura, M.**: 2014, The Origin of the Galactic Center Diffuse X-ray Emission Investigated by Near-infrared Observations, Proc. of "Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe", Eds. M. Ishida, R. Petre, K. Mitsuda, 8.
- Norris, B., Tuthill, P. G., **Jovanovic, N.**, Schworer, G., **Guyon, O.**, Martinache, F., Stewart, P. N.: 2014, VAMPIRES: probing the innermost regions of protoplanetary systems with polarimetric aperture-masking, Proc. SPIE 9146, J. K. Rajagopal, M. J. Creech-Eakman, F. Malbet, 91460U.
- Nyman, L.-Å., Cox, P., Corder, S., **Saito, M.**, Lundgren, A., Vila-Vilaro, B., **Espada, D.**, Villard, E., Barrios, E., Andreano, P., Hibbard, P., **Tatematsu, K.**: 2014, ALMA Observations During its First Early Science Cycles, Proc. SPIE 9149, Eds. A. B. Peck, C. R. Benn, R. L. Seaman, 91490J.
- Ohishi, N.**, Miyoki, S., Uchiyama, T., Miyakawa, O., Ohashi, M.: 2014, Safety management of an underground-based gravitational wave telescope: KAGRA, Proc. SPIE 9149, Eds. A. B. Peck, C. R. Benn, R. L. Seaman, 914928.
- Okutomi, K., **Akutsu, T.**, Ando, M., Nikaido, M., **Tanaka, N.**, **Torii, Y.**, Sato, S., Izumi, K., Chen, D., DPF Working Group: 2014, Residual Gas Noise in the Test-mass Module for DECIGO Pathfinder, Proc. of 10th Int. LISA Symp.,
- Ono, Y. H.**, Akiyama, M., **Oya, S.**: 2014, TMT-AGE: numerical simulation of a new tomographic reconstruction method for wide FoR MOAO, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91486M.
- Oota, T., Negishi, M., Shinonaga, H., Gomi, A., Tanaka, Y., Akutsu, K., Otsuka, I., Mochizuki, S., **Iye, M.**, **Yamashita, T.**: High volume production trial of mirror segments for the Thirty Meter Telescope, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91451J.
- Oya, M., **Nishikawa, J.**, Horie, M., Sato, K., Fukase, M., Murakami, N., **Kotani, T.**, Kumagai, S., **Tamura, M.**, Tanaka, Y., **Kurokawa, T.**: 2014, Adaptive optics operation with focal wavefront sensor in a coronagraph for direct observation of exoplanets, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 91433B.
- Oya, S.**, **Hayano, Y.**, **Lai, O.**, **Iwata, I.**, **Kodama, T.**, **Arimoto, N.**, **Minowa, Y.**, Akiyama, M., Ono, Y. H., **Terada, H.**, **Usuda, T.**, **Takami, H.**, **Nishimura, T.**, **Takato, N.**, **Tomono, D.**: 2014, ULTIMATE-SUBARU: simulation update, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 91486G.
- Oyama, T.**: 2014, A progress report on the development and performance of OCTAVE-DAS for VERA, JVN and Japanese e-VLBI (OCTAVE), Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 102.
- Ozaki, S.**, **Tanaka, Y.**, **Hattori, T.**, **Mitsui, K.**, **Fukushima, M.**, **Okada, N.**, **Obuchi, Y.**, **Tsuzuki, T.**, **Miyazaki, S.**, **Yamashita, T.**: 2014, Development of a slicer integral field unit for the existing optical spectrograph FOCAS: progress, Proc. SPIE 9151, Eds. R. Navarro; C. R. Cunningham; A. A. Barto, 915149.
- Pehlivan, Y., Balantekin, A. B., **Kajino, T.**: Exact Methods for Self Interacting Neutrinos, AIP Conf. Proc. 1604, Eds. B. Szczerbinska, R. Allahverdi, K. Babu, B. Balantekin, B. Dutta, T. Kamon, J. Kumar, P. Sandick, 245-252.
- Pyo, T.-S.**, Oh, H., Yuk, I.-S., Kim, H., Davis, C. J.: 2015, IGRINS K-band High-Resolution Spectroscopy of the FU Ori Type Object 2MASS J06593158-0405277, The Astronomer's Telegram, #6901.
- Raymond, S. N., **Kokubo, E.**, Morbidelli, A., Morishima, R., Walsh, K. J.: 2014, Terrestrial Planet Formation at Home and Abroad, Protostar and Planets VI, 595-618.
- Ricker, G. R., et al. including **Narita, N.**: 2014, Transiting Exoplanet Survey Satellite (TESS), Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 914320.
- Saito, T.**, **Iono, D.**, Yun, M., **Ueda, J.**, **Espada, D.**, **Hagiwara, Y.**, **Imanishi, M.**, Motohara, K., **Nakanishi, K.**, Sugai, H., Tateuchi, K., **Lee, M.**, **Kawabe, R.**: 2015, Investigating AGN/Starburst activities through ALMA multi-line observations in the mid-stage IR-bright merger VV 114, Proc. IAU Symp. 309, B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, 196-199.
- Saito, Y., Yatsu, Y., Yoshii, T., Usui, R., Kurita, S., Ito, K., Tachibana, Y., Yano, Y., Tanigawa, T., Kawai, N., **Kuroda, D.**, **Yanagisawa, K.**, **Hanayama, H.**: 2014, Optical follow-up observation of the transient objects with the Akeno telescope, Proc. of "Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe", Eds. M. Ishida, R.

- Petre, K. Mitsuda, 210.
- Sakai, N.:** 2014, Direct comparison between VERA, VLBA and EVN astrometry results and an analytic gas dynamics model, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 48.
- Sakao, T., Narukage, N., Suematsu, Y., Watanabe, K., Shimojo, M., Imada, S., Ishikawa, S., DeLuca, E. E.:** 2014, The soft x-ray photon-counting telescope for solar observations, Proc. SPIE 9144, Eds. T. Takahashi, J.-W. A. den Herder, M. Bautz, 91443D.
- Sakon, I., Onaka, T., Kataza, H., Okamoto, Y., Honda, M., Tokoro, H., Fujishiro, N., Ikeda, Y., Nakagawa, H., Kirino, O., Mitsui, K., Okada, N.:** 2014, A trial production of the image slicer unit for next generation infrared instruments and the assembly of the evaluation system of the pseudo slit image quality, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 91434U.
- Sato, M., Watanabe, J.:** 2014, Forecast of enhanced activity of eta-Aquariids in 2013, The Meteoroids 2013, Eds. T. J. Jopek, F. J. M. Rietmeijer, J. Watanabe, I. P. Williams, A. M. University Press, 213-216.
- Sawada-Satoh, S., Ueno, Y., Akiyama, K., Niinuma, K., Nagai, H., Hada, K., Honma, M., Shibata, K. M., Kino, M., D'Ammando, F., Orienti, M., Koyama, M.:** 2014, VERA frequent monitoring of the Parsec-scale jet in the BL Lac Object OJ 287 simultaneous with gamma-ray flares during 2011-2012, Proc. 12th European VLBI Network Symposium and Users Meeting, Eds. A. Tarch, M. Giroletti, L. Feretti, 108.
- Schad, T., Lin, H., Ichimoto, K., Katsukawa, Y.:** 2014, Polarization Properties of a Birefringent Fiber Optic Image Slicer for Diffraction-Limited Dual-Beam Spectropolarimetry, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91476E.
- Schnee, S. L., Brogan, C., Espada, D., Humphreys, E., Komugi, S., Petry, D., Vila-Vilaro, B., Villard, E.:** 2014, The human pipeline: distributed data reduction for ALMA, Proc. SPIE 9149, Eds. A. B. Peck, C. R. Benn, R. L. Seaman, 91490Z.
- Sekiguchi, K., Yoshida, F.:** 2015, NAOJ's activities on Astronomy for Development: Aiding Astronomy Education in Developing Nations, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 553-555.
- Sekimoto, Y., Nitta, T., Karatsu, K., Sekine, M., Sekiguchi, S., Okada, T., Shu, S., Noguchi, T., Naruse, M., Mitsui, K., Okada, N., Tsuzuki, T., Dominjon, A., Matsuo, H.:** 2014, Developments of wide field submillimeter optics and lens antenna-coupled MKID cameras, Proc. SPIE 9153, Eds. W. S. Holland, J. Zmuidzinas, 91532P.
- Sekimoto, Y., Nitta, T., Karatsu, K., Sekine, M., Sekiguchi, S., Okada, T., Shu, S., Noguchi, T., Naruse, M., Mitsui, K., Okada, N., Tsuzuki, T., Matsuo, H.:** 2014, Developments of wide field-of-view MKID cameras for millimeter and submillimeter astronomy, The 8th European Conf. on Antennas and Propagation (EuCAP 2014), 2407-2408.
- Shibagaki, S., Kajino, T., Chiba, S., Lorusso, G., Nishimura, S., Mathews, G. J.:** 2014, Realistic fission models, new beta-decay half-lives and the r-process in neutron star mergers, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 394-398.
- Shibagaki, S., Kajino, T., Chiba, S., Mathews, G. J.:** 2014, Realistic fission model and the r-process in neutron star mergers, AIP Conf. Proc. 1595, Eds. C. Spitaleri, L. Lamia, R. G. Pizzone, 211-213.
- Shibagaki, S., Kajino, T., Mathews, G. J., Chiba, S.:** 2015, Impact of nuclear fission on r-process nucleosynthesis and origin of solar r-process elements, AIP Conf. Proc. 1645, Eds. L. Trache, D. Chesneau, C. A. Ur, 402-405.
- Singh, G., Guyon, O., Baudoz, P., Jovanovich, N., Martinache, F., Kudo, T., Serabyn, E., Kuhn, J. G.:** 2014, Lyot-based low order wavefront sensor: implementation on the Subaru Coronagraphic Extreme Adaptive Optics System and its laboratory performance, Proc. SPIE 9148, Eds. E. Marchetti, L. M. Close, J.-P. Veran, 914848.
- Sōma M., Hayamizu, T., Ishida, M., Owada, M., Ida, M., Aikawa, R., Hashimoto, A., Horaguchi, T., Kitazaki, K., Uchiyama, S., Uehara, S., Yaeza, A., Timerson, B., George, T., Morgan, W., Edens, E.:** 2014, Discovery of Stellar Duplicity of TYC 1950-02320-1 During Asteroidal Occultation by (141) Lumen, J. Double Star Observations, 10, 241-245.
- Suematsu, Y., Katsukawa, Y., Hara, H., Kano, R., Shimizu, T., Ichimoto, K.:** 2014, Large aperture solar optical telescope and instruments for the SOLAR-C mission, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 91431P.
- Suematsu, Y., Sukegawa, T., Okura, Y., Nakayasu, T., Enokida, Y., Koyama, M., Saito, K., Ozaki, S., Tsuneta, S.:** 2014, Development of micro image slicer of integral field unit for spaceborne solar spectrograph, Proc. SPIE 9151, Eds. R. Navarro; C. R. Cunningham; A. A. Barto, 91511S.
- Sugai, H., et al. including Ueda, A.:** 2014, Progress with the Prime Focus Spectrograph for the Subaru Telescope: a massively multiplexed optical and near-infrared fiber spectograph, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91470T.
- Suzuki, T., Honma, M., Balantekin, A. B., Kajino, T., Chiba, S.:** New neutrino-nucleus reaction cross sections at solar, reactor and supernova neutrino energies, EPJ Web of Conf., 66, 07025.
- Takahashi, R., DeSalvo, R., Yamamoto, K., Uchiyama, T., Sekiguchi, T., Ishizaki, H., Takamori, A., Majorana, E., van den Brand, J., Hennes, E., Bertolini, A.:** 2015, Seismic attenuation system (SAS) in the Kamioka mine, Proc. of the MG13 Meeting on General Relativity, Eds. R. T. Jantzen, K. Rosquist, 2037-2039.
- Takato, N., Tanaka, Y., Gunn, J. E., Tamura, N., Shimono, A., Sugai, H., Karoji, H., Ueda, A., Waseda, K., Kimura, M., Ohyama, Y.:** 2014, Design and performance of a F/#-conversion microlens for prime focus spectrograph at Subaru Telescope, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 914765.
- Tanikawa, K., Sōma, M.:** 2014, A list of historical comets observed at plural sites: the beginning of astronomy in Japan and Korea, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 148-149.
- Tatsumi, D., Ueda, A., Yoneda, H., Sato, K.:** 2014, Low-loss and high damage-threshold mirror development for gravitational-wave detectors, Proc. SPIE 9237, Eds. G. J. Exarhos, V. E. Gruzdev, J. A. Menapace, D. Ristau, MJ Soileau Boulder, 923703.
- Tomasino, R., Ueta, T., Yamamura, I., Izumiura, H.:** 2014, Probing Ancient Mass Loss with AKARI's Extended Dust Emission Objects, Proc. of the Asymmetrical Planetary Nebulae VI conference, Eds. C. Morisset, G. Delgado-Inglada, S. Torres-Peimbert, 104.
- Tomasino, R., Ueta, T., Yamamura, I., Takita, S., Izumiura, H.:** 2015, Geometry of the Dusty Mass Loss from Low- to Intermediate Mass Stars, AAS Meeting #225, #139.04.
- Tominaga, N., Matsumoto, E., Shibata, T., Tsvetkov, D., Pavlyuk, N.,**

- Takeishi, M., Takahashi, K., Morokuma, T., **Tanaka, M., Ukita, N., Iwata, I.**: 2014, Supernova 2014bo, Central Bureau Electronic Telegrams, 3898, 1.
- Tominaga, N., Morokuma, T., **Tanaka, M.**, Yasuda, N., Furusawa, H., Jiang, J., Miyazaki, S., Moriya, T. J., **Noumaru, J.**, Schubert, K., **Takata, T.**: 2014, First supernova candidates discovered with Subaru/Hyper Suprime-Cam, The Astronomer's Telegram, #6291.
- Tominaga, N., Morokuma, T., **Tanaka, M.**, Yasuda, N., Furusawa, H., Jiang, J., Okabe, N., Futamase, T., **Miyazaki, S.**, Moriya, T. J., **Noumaru, J.**, Schubert, K., **Takata, T.**: 2014, Supernova candidates discovered with Subaru/Hyper Suprime-Cam, The Astronomer's Telegram, #6763.
- Toriumi, S.**, Yokoyama, T.: 2014, Numerical Study on the Formation of Solar Active Regions, JPS Conf. Proc., 1, 15107.
- Uchiyama, M., Miyata, T., Sako, S., Kamizuka, T., Nakamura, T., Asano, K., Okada, K., Onaka, T., Sakon, I., Kataya, H., Sarugaku, Y., Kirino, O., Nakagawa, H., **Okada, N., Mitsui, K.**: 2014, Restraint deformation and corrosion protection of gold deposited aluminum mirrors for cold optics of mid-infrared instruments, Proc. SPIE 9151, Eds. R. Navarro; C. R. Cunningham; A. A. Barto, 915143.
- Ueda, J., Iono, D.**, Yun, M. S., Crocker, A. F., Narayanan, D., **Komugi, S., Espada, D., Hatsukade, B.**, Kaneko, H., **Matsuda, Y.**, Tamura, Y., Wilner, D. J., **Kawabe, R., Pan, H.-A.**: 2015, Investigating the Evolution of Merger Remnants from the Formation of Gas Disks, Proc. IAU Symp. 309, B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, 283-284
- Ueta, T., et al. including **Izumiura, H.**: 2014, Herschel Planetary Nebula Survey (HerPlaNS), Proc. of the Asymmetrical Planetary Nebulae VI conference, Eds. C. Morisset, G. Delgado-Inglada, S. Torres-Peimbert, 106.
- Ui, T., Sako, S., **Yamashita, T.**, Akitaya, H., Kawabata, K. S., **Nakaya, H.**, Moritani, Y., Itoh, R., Takaki, K., Urano, T., Ueno, I., Ohsugi, T., Yoshida, M., Nakao, H., Hashiba, Y.: 2014, Development of a new readout system for the near-infrared detector of HONIR, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91476C-1.
- Usuda, T.**, et al. including **Inatani, J., Iye, M.**: 2014, Preliminary design study of the TMT Telescope structure system: overview, Proc. SPIE 9145, Eds. L. M. Stepp, R. Gilmozzi, H. J. Hall, 91452F.
- Usuda-Sato, K.**, Tomita, A.: in press, Astronomy for Development Approaches in Asia, Proc. of the 12th Asia-Pacific Regional IAU Meeting.,
- Uzawa, Y.**: 2014, Superconducting Sensor Applications for Astronomical Observations -ALMA International Project-, Superconductivity Web21, 12-13.
- Wang, S., et al. including **Ueda, A.**: 2014, Prime focus instrument of prime focus spectrograph for Subaru telescope, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91475Q.
- Watanabe, J.**: Jovian impact flashes and their implication to meteoroids in outer region of Solar System, The Meteoroids 2013, Eds. T. J. Jopek, F. J. M. Rietmeijer, J. Watanabe, I. P. Williams, A. M. University Press, 41-47.
- Watanabe, J.**: 2015, Jovian impact flashes and their implication to small bodies, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 166-166 (10.1017/S1743921314005213)
- Watanabe, J.**, Kasuga, T., **Terai, T., Miyazaki, S.**, Ohta, K., Murooka, F., Ohnishi, T., **Yamasaki, T.**, Mito, H., Aoki, T., Soyano, T., Tarusawa, K., Matsunaga, N., Sako, S., Kobayashi, N., Doi, M., Enomoto, T.: 2014, Faint meteor observation by large-format CMOS sensor with 1.05-m Kiso schmidt telescope, The Meteoroids 2013, Eds. T. J. Jopek, F. J. M. Rietmeijer, J. Watanabe, I. P. Williams, A. M. University Press, 325-328.
- Watanabe, T.**: 2014, The Solar-C Mission, Proc. SPIE 9143, Eds. J. M. Oschmann, M. Clampin, G. G. Fazio, H. A. MacEwen, 91431O.
- Wuillez, J., Perrin, G., **Lai, O.**, Reynaud, F., Baril, M., Dong, Y., Fedou, P., **Kotani, T.**, Vergnole, S., Wizinowich, P.: 2014, Ohana, Improving the Performances of Current Optical Interferometers' Future Designs, Eds. L. Arnold, H. Le Coroller, J. Surdej, 175-179.
- Yaji, K.**, Tonooka, H., **Shimojo, M.**, Tokimasa, N., Suzuki, D., Nakamichi, A., Shimoikura, I.: 2015, Hinode, the Sun, and Public Outreach, XXVIIIth IAU General Assembly, Highlights of Astronomy 16, Ed. T. Montmerle, 649.
- Yamada, S., Suda, T., Komiya, Y., **Aoki, W.**, Fujimoto, M. Y.: 2014, Analysis of enrichment histories for elements and two modes of star formation during the early evolution of Milky Way, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 93-98.
- Yamada, Y.**, et al. including **Takata, T., Furusawa, H., Koike, M., Yamanoi, H., Mineo, S.**: 2014, Development of a Database System for Data Obtained by Hyper Suprime-Cam on the Subaru Telescope, ASP Conf. Ser. 485, Astronomical Data Analysis Software and Systems XXIII, Eds. N. Manset, P. Forshay, 243-246.
- Yamada, Y.**, et al. including **Takata, T., Furusawa, H., Koike, M., Yamanoi, H., Mineo, S.**: 2014, Development of database system for data obtained by Hyper Suprime-Cam on Subaru Telescope, Proc. SPIE 9149, Eds. A. B. Peck, C. R. Benn, R. L. Seaman, 91492I.
- Yamamoto, R., Fukue, K., Matsunaga, N., Yasui, C., Hamano, S., Kobayashi, N., **Tsujimoto, T.**, Kondo, S., Ikeda, Y.: 2014, SUBARU/IRCS near-infrared spectroscopy of the young cluster GLIMPSE9 in the inner galaxy, AIP Conf. Proc. 1594, Eds. S. Jeong, N. Imai, H. Miyatake, T. Kajino, 64-69.
- Yanagisawa, K., Shimizu, Y., Okita, K., Kuroda, D., Koyano, H., Tsutsui, H., Toda, H., Izumiura, H.**, Yoshida, M., Ohta, K., Kawai, N., Yamamuro, T.: 2014, Okayama astrophysical observatory wide field camera, Proc. SPIE 9147, Eds. S. K. Ramsay, I. S. McLean, H. Takami, 91476D.
- Yonetoku, D., et al. including **Okita, H., Yanagisawa, K.**: 2014, High-z gamma-ray bursts for unraveling the dark ages mission HiZ-GUNDAM, Proc. SPIE 9144, Eds. T. Takahashi, J.-W. A. den Herder, M. Bautz, 91442S.
- Yoshida T.**, Ebisawa K., Tsujimoto M., **Ohsuga K.**, Nakagawa Y., **Nomura M.**: 2014, Spectral calculation through outflows around compact objects and its hydrodynamic simulation, 40th COSPAR Scientific Assembly, 3727.
- Yoshii, T., Saito, Y., Yatsu, Y., Tachibana, Y., Kawai, N., **Hanayama, H.**, Mitsume Telescope Team, Maxi Team: 2014, Optical observations of a black hole binary MAXI J1910-057 with the MITSuMe Telescope, Proc. of "Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe", Eds. M. Ishida, R. Petre, K. Mitsuda, 260.

5. Publications in English

- Flaminio, R.:** 2014, Thermal noise in laser interferometer gravitational wave detectors' in 'Advanced Interferometers and the Search for Gravitational Waves', Springer International Publishing, Cham.
- Fukushima, T.:** 2014, "Elliptic functions and elliptic integrals for celestial mechanics and dynamical astronomy" in *Frontiers in Relativistic Celestial Mechanics Vol.2: Applications and Experiments* (S.M. Kopeikin ed.), 187-226, de Gruyter, Berlin.
- Mutschke, H., Posch, Th., **Zeidler, S.:** 2015, Contribution to the book "Laboratory Astrochemistry"; Eds: Schlemmer, S., Giesen, T., Mutschke, H., Jaeger, C., Wiley-VCH, Weinheim.
- Hesse, M., Aunai, N., Kuznetsova, M., **Zenitani, S.**, Birn, J.: 2015, *AGU Geophysical Monograph 207: Chapter 15: Magnetic Reconnection in Different Environments: Similarities and Differences (259–267)*, Wiley, Weinheim.

6. Conference Presentations

- Abe, S., Kero, J., Nakamura, T., Fujiwara, Y., **Watanabe, J.:** 2014, Orbital evolution of Geminids and Quadrantids by middle and upper atmosphere radar observations, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Abe, S., Kero, J., Nakamura, T., Fujiwara, Y., **Watanabe, J.:** 2014, Statistical Distribution of the Solar System Dusts by Meteor Head Echo Observations with the Large-aperture Radar, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Agata, H., Sekiguchi, K., Renchin T.:** 2014, "You Are Galileo!", 1st East Asian Astronomical Education and Outreach Workshop, (Uranbatol, Mongolia, July. 3-5, 2014).
- Agata, H.:** 2014, Astronomy as a part of culture, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Agata, H.:** 2014, Education & Outreach Concept and Strategy at National Astronomical Observatory of Japan (NAOJ), Astronomy Communication Seminar, ePOD/ESO, (ESO, Munich, Germany, Aug. 25, 2014).
- Agata, H.:** 2014, Education and Outreach Concept of NAOJ, Opening Ceremony of Majmaah University Astronomical Observatory, (Majmaah, Saudi Arabia, Dec. 16-18, 2014).
- Akiyama, M., Oya, S., Ono, Y. H., **Takami, H., Ozaki, S., Hayano, Y., Iwata, I., Hane, K., Wu, T., Yamamuro, T., Ikeda, Y.:** 2014, TMT-AGE: wide field of regard multi-object adaptive optics for TMT, Adaptive Optics Systems IV, (Monreal, Canada, Jun. 22-27, 2014).
- Akutsu, T.,** on behalf of KAGRA Collaboration: 2014, Large-scale cryogenic gravitational-wave telescope in Japan: KAGRA, 10th Int. LISA Symp., (Gainesville, Florida, USA, May 18-23, 2014).
- Akutsu, T.,** et al.: 2014, Mitigation of Stray-Light Noise in KAGRA, Gravitational Wave Advanced Detector Workshop 2014, (Takayama, Japan, May 25-30, 2014).
- Ando, M.:** 2014, DECIGO and DECIGO Pathfinder, 10th Int. LISA Symp., (Gainesville, Florida, USA, May 18-23, 2014).
- Ando, M.:** 2014, DECIGO: Space Gravitational-wave Antenna, RESCEU APCosPA Summer School on Cosmology and Particle Astrophysics, (Matsumoto, Japan, Aug. 3, 2014).
- Antolin, P.:** 2015, 1-D & 1.5-D MHD simulations of thermal instability, ISSI Workshop - Bern, (Bern, Switzerland, Feb. 23-27, 2015).
- Antolin, P.:** 2014, Implications for coronal heating and magnetic fields from coronal rain observations and modelling, 4th Int. Workshop on small-scale solar magnetic fields, (Bairisch-Köllndorf, Austria, Apr. 23-25, 2014).
- Antolin, P., Kleint, L., Pereira, T., Katsukawa, Y., De Pontieu, B.:** 2014, Coronal rain observed with IRIS, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Antolin, P., Vissers, G., Pereira, T., Rouppe van der Voort, L., Katsukawa, Y., De Pontieu, B., Scullion, E.:** 2014, The Multi-Thermal and Multi-Strand Nature of Coronal Rain, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Antolin, P., Vissers, G., Rouppe van der Voort, L., Pereira, T., Scullion, E.:** 2015, The multi-thermal and multi-stranded nature of coronal rain, ISSI Workshop - Bern, (Bern, Switzerland, Feb. 23-27, 2015).
- Antolin, P., Yokoyama, T., Van Doorselaere, T.:** 2014, Fine strand-like structure in the corona from MHD transverse oscillations, 4th Int. Workshop on small-scale solar magnetic fields, (Bairisch-Köllndorf, Austria, Apr. 23-25, 2014).
- Antolin, P., Yokoyama, T., Van Doorselaere, T.:** 2014, Fine strand-like structure in the corona from MHD transverse oscillations, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Antolin, P., Yokoyama, T., Van Doorselaere, T., Uitenbroek, H., Okamoto, T. J., De Pontieu, B.:** 2014, Strand-like Structure and Characteristic Spectral Signatures of Transversely Oscillating Flux Tubes in the Solar Corona, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Ao, Y., Matsuda, Y., Beelen, A., Henkel, C., Omont, A., Tatematsu, K., Zheng, Z., Cen, R., Weiss, A., Menten, K. M., Norris, R., De Breuck, C., Lehnert, M., Mao, M., Francis, P., Lagache, G., Kovacs, A.:** 2014, What powers Lyman alpha Blobs?, East Asia ALMA Science Workshop, (Jeju, Korea, Jul. 14-17, 2014).
- Aoki, W.:** 2014, High-resolutions spectroscopy of extremely metal-poor stars found with SDSS and LAMOST, China-Subaru workshop, (Shanghai, China, Nov. 29-Dec. 1, 2014).
- Araki, H., Kashima, S., Noda, H., Kunimori, H., Chiba, K., Otsubo, T., Utsunomiya, M., Matsumoto, Y.:** 2014, Development of the retro-reflector on the moon for the future Lunar Laser Ranging, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Araki, H., Kashima, S., Noda, H., Kunimori, H., Chiba, K., Otsubo, T., Utsunomiya, S., Matsumoto, Y.:** 2014, Development of the retro-reflector on the moon for the future Lunar Laser Ranging, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Barkin, Y., **Hanada, H., Barkin, M.:** 2014, The drift and steps of the center of mass of the Moon with respect to the crust and interpretation of unexplained secular changes of the lunar orbit, The Fifth Moscow Solar System Symp., (Moscow, Russia, Oct. 13-18, 2014).
- Barkin, Y., **Hanada, H.:** 2014, About drift, oscillations and steps of the center of mass of the Moon, Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).
- Barkin, Y., **Hanada, H., Matsumoto, K., Barkin, M.:** 2014, The free and forced librations of the Moon with liquid shell and solid core, Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).

- Baty, H., Pétri, J., **Zenitani, S.**: 2014, Explosive reconnection of the double tearing mode in relativistic plasmas: application to the Crab nebula, 41st EPS Conf. on Plasma Physics, (Berlin, Germany, Jun. 23-27, 2014).
- Bigelow, B. C., Radovan, M. V., Bernstein, R. A., Onaka, P. M., Yamada, H., Isani, S., **Miyazaki, S., Ozaki, S.**: 2014, Conceptual design of the MOBILE imaging spectrograph for TMT, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Bowler, B. P., Liu, M. C., Shkolnik, E., **Tamura, M.**: 2015, The Outer Architecture of M Dwarf Planetary Systems, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Burns, R. A., Handa, T., **Nagayama, T., Omodaka, T., Nakagawa, A., Nakanishi, H.**: 2014, Trigonometric Distance to IRAS 20056+3350: Massive Star Forming Region in the Solar Circle, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Chong, C.-C., **Nakamura, F.**: 2015, Evaluation of Single Dish Zeeman Observation using ALMA Band-1 Receiver, The 3rd Workshop on Large Aperture Sub/mm Telescope in the ALMA Era, (Mitaka, Tokyo, Japan, Mar. 10-11, 2015).
- Cheung, S. L.**: 2014, International Year of Light, Public naming of exoplanets, and the IAU Office for Astronomy Outreach, Annual Meeting of the Astronomical Society of the Republic of China (Taiwan), (Nantou, Taiwan, May 23-25, 2014).
- Cheung, S. L.**: 2014, International Year of Light, Public naming of exoplanets, Int. Planetarium Society Annual Meeting, (Beijing, China, Jun. 23-27, 2014).
- Cheung, S. L.**: 2014, Light Pollution and the Night Sky Brightness Measurement, 1st East Asian Astronomical Education and Outreach Workshop, (Uranbatol, Mongolia, July. 3-5, 2014).
- Cheung, S. L.**: 2014, International Year of Light, Public naming of exoplanets, and the IAU Office for Astronomy Outreach, 1st East Asian Astronomical Education and Outreach Workshop, (Uranbatol, Mongolia, July. 3-5, 2014).
- Cheung, S. L.**: 2014, International Year of Light, Public naming of exoplanets, Asia Pacific IAU Regional Meeting 2014, (Daejeon, South Korea, Aug. 18-22, 2014).
- Cheung, S. L.**: 2014, International Year of Light, Public naming of exoplanets, Middle East African Regional IAU Meeting 2014, (Beirut, Lebanon, Sep. 1-6, 2014).
- Cheung, S. L.**: 2014, Cosmic Light, Astronomy Education Alliance Meeting 2014, (Lisbon, Portugal, Sep. 8-12, 2014).
- Cheung, S. L.**: 2014, International Year of Light, Public naming of exoplanets, Annual Meeting of the Chinese Astronomical Society, (Xian, China, Oct. 27-29, 2014).
- Cheung, S. L.**: 2015, Light Pollution and the IAU Cosmic Light Activities, Opening Ceremony of the Int. Year of Light 2015, (Paris, France, Jan. 19-20, 2015).
- Cheung, S. L.**: 2015, Astronomy Outreach as Profession, East Asia Young Astronomers Meeting 2015, (Taipei, Taiwan, Feb. 9-12, 2015).
- Chibueze, J. O., Sakanoue, H., Nagayama, T., Omodaka, T., Handa, T., Kamezaki, T., Burns, R. A., Kobayashi, H., Nakanishi, H., Honma, M., Ueno, Y.**: 2014, Trigonometric Parallax of IRAS 22555+6213 with VERA: 3-Dimensional View of Sources Along the Same Line of Sight, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Chida, H.**: 2014, Probing Very Early Stage of Radio Source Evolution in NGC 1275 with VERA, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Chida, H.**: 2014, Probing very Early Stage of Radio Source Evolution in NGC 1275 with VERA, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Chida, H.**: 2014, Long Term Monitoring 3C 84 with VERA at 22 GHz from 2011 to 2013, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Currie, T. M., Burrows, A. S., Girard, J., Cloutier, R., Fukagawa, M., Sorahana, S., Kuchner, M. J., Kenyon, S., Madhusudhan, N., Itoh, Y., Jayawardhana, R., Matsumura, S., Pyo, T.-S.**: 2015, New, Near-to-Mid Infrared High-Contrast Imaging of the Young Extrasolar Planets, HR 8799 bcde, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Ezawa, H., Matsuo, H., Shibasaki, K., Iwai, K., Shimojo, M., Shinohara, N., Honma, M., Murata, Y.**: 2015, Towards the Intensity Interferometry at Terahertz Wavelengths, The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Ferré-Mateu, A.**: 2014, Hunting Relic galaxies in the Nearby Universe, Getting a grip into galactic girths, (IPMU, Tokyo, Japan, Feb. 2-6, 2015).
- Ferré-Mateu, A.**: 2014, Traveling across cosmic time with MOIRCS, 2014 Subaru Autumn School, (NAOJ, Tokyo, Japan, Sep. 24-26, 2014).
- Fissel, L. M., et al. including **Nakamura, F.**: 2015, Detailed Magnetic Field Morphology of the Vela C Molecular Cloud from the BLASTPol 2012 flight, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Flaminio, R.**: 2014, Status and Prospect of Gravitational Waves detectors, The 24th workshop on General Relativity and Gravitation in Japan, (IPMU, Tokyo University, Kashiwa, Japan, Nov. 10-14, 2014).
- Flaminio, R.**: 2014, Status of KAGRA, 6th Einstein Telescope Symp., (Lyon, France, Nov. 19, 2014).
- Fujii, Y., Kojima, T., Kroug, M., Ogawa, H., Uzawa, Y.**: An Integrated Low-Noise Balanced SIS Mixer for 780-950GHz, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Fujimoto, K.**: 2014, Wave Activities and Electron Acceleration near the Separatrices of Magnetic Reconnection, US-Japan Workshop on Magnetic Reconnection (MR 2014), (Tokyo, Japan, May 20-24, 2014).
- Fujimoto, K.**: 2014, Kinetic Modeling of Collisionless Magnetic Reconnection in Three Dimension, 9th Annual Int. Conf. on Numerical Modeling of Space Plasma Flows (ASTRONUM2014), (Long Beach, CA, USA, Jun. 23-27, 2014).
- Fujimoto, K.**: 2014, Waves and electron acceleration in the separatrix regions of magnetic reconnection, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Furusawa, S., Nagakura, H., Sumiyoshi, K., Yamada, S.**: 2014, The influence of inelastic neutrino interactions with light clusters on core-collapse supernova simulations, State of the Art in Nuclear Cluster Physics, (Yokohama, Japan, May 26-30, 2014).
- Furusawa, S., Nagakura, H., Sumiyoshi, K., Yamada, S.**: 2014, Inelastic neutrino interactions with light nuclei in core-collapse supernova simulations, Int. Symp. on Neutrino Nuclear Responses for Neutrino Studies in Nuclei, (Osaka, Japan, Nov. 5-6, 2014).
- Furusawa, S.**: 2014, Equations of state at sub-nuclear densities and weak interactions in Supernovae, HPCI Int. Workshop on Study of Neutron Stars and Core-Collapse Supernovae, (Wako, Japan, Dec.

- 16-20, 2014).
- Furusawa, S.:** 2015, Equation of State in Core-Collapse Supernova Simulations, Multi-messengers from core-collapse supernovae 2015 (MMCOCS2015), (Arlington, VA, USA, Mar. 2-6, 2015).
- Furusho, R., Shinoda, T., Terai, T., Watanabe, J.:** 2014, Imaging Polarimetric Survey on Cometary Dust Coma Activities, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Furusho, R., Terai, T., Shinoda, T., Watanabe, J.:** 2014, C/2012 S1 (ISON), C/2013 R1 (Lovejoy), and updates of the imaging polarimetric survey, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Furusho, R., Terai, T., Watanabe, J.:** 2014, Imaging Polarimetry of C/2012 S1 (ISON) and C/2013 R1 (Lovely), AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Galitzki, N., et al. including **Nakamura, F.:** 2015, Submillimeter Dust Polarimetry with the BLAST-TNG Telescope, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Getling, A., **Ishikawa, R.,** Buchnev, A.: 2014, Formation of sunspot groups: Do we see manifestations of the rising-tube mechanism?, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Gilhoole, S., **Tamura, M.,** Usuda, T., Blake, C.: 2015, Stellar Radial Velocities with Subaru/IRCS and an Ammonia Absorption Cell, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Gonzalez, A.:** 2014, Study of optics for ALMA receivers, Chile-Japan Academic Forum in U.Tokyo “Astrophysics and Astronomical Instrumentation”, (Tokyo, Japan, Oct. 8-9, 2014).
- Gonzalez, A., Fujii, Y., Kaneko, K., Kroug, M., Kojima, T.,** Kuroiwa, K., Miyachi, A., Makise, M., Wang, Z., **Asayama, S., Uzawa, Y.:** 2014, ALMA band 10 (787-950 GHz): summary of the production of 73 receivers and first light results, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, Jun. 22-27, 2014).
- Gonzalez, A., Soma, T., Shiino, T., Kaneko, K., Uzawa, Y.,** Yamamoto, S.: 2014, Beam Measurement Characterization and Optics Tolerance Analysis of a 900 GHz HEB receiver for the ASTE telescope, 39th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMWTHz14), (Tucson, USA, Sep. 14-19, 2014).
- Gonzalez, A.:** 2014, Contribution of NAOJ to ALMA band 1 optics 35-52 GHz, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Gonzalez, A.:** 2015, The need of compact profiled corrugated horns at longer mm-waves (ALMA band 1) and at around 1 THz (band 10), The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Gosic, M., Bellot-Rubio, L. R., Orozco-Suarez, D., **Katsukawa, Y.:** 2014, Flux emergence in the solar internetwork and its contribution to the network, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Gouda, N.:** 2014, JASMINE/Nano-JASMINE/overview, CU9/GENIUS plenary meeting, (Vienna, Austria, Jul. 7-9, 2014).
- Gusev, A., Ping, J., Petrova, N., **Hanada, H.:** 2014, Fine effects of spin-orbit dynamics of the Moon, Lunar radio beacons and Lunar Navigation Almanac for ChangE-3/4, Luna-Glob-Resource, SELENE-2 missions, The Fifth Moscow Solar System Symp., (Moscow, Russia, Oct. 13-18, 2014).
- Guyon, O.:** 2014, Searching for Habitable Worlds and Life in the Universe with Optics, 50yr anniversary of the college of optical sciences special lecture, (University of Arizona, AZ, USA, Oct. 23, 2014).
- Guyon, O.:** 2014, Optical Tricks to find and study Exoplanets, Optical Society of America Student Leadership Chapter, (Tucson, AZ, USA, Oct. 19, 2014).
- Guyon, O.:** 2014, Exoplanets, HawaiiCon 2014, (Kohala Coast, HI, USA, Sep. 12-14, 2014).
- Guyon, O.:** 2014, Low-order Wave-front Sensing and Control, and Point-spread-function Calibration, for Direct Imaging of Exoplanets, Exo-PAG, (Boston, MA, USA, Jun. 6, 2014).
- Guyon, O.:** 2014, Imaging exoplanets with MKIDs on Subaru Telescope, Institute for Astronomy University of Hawaii Tech Talk, (Hilo, HI, USA, Apr. 17, 2014).
- Hada, K.:** 2014, Continuing EVN monitoring of HST-1 in the jet of M87, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Hada, K.:** 2014, M87, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Hagiwara, Y., An, T., Jung, T. H., Roh, D. G., Zhang, M., Hao, L.,** Fujisawa, K., Yonekura, Y., Baan, W., Kim, J. S., **Kobayashi, H.:** 2014, Current Status of the EAVN Experiments, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Hagiwara, Y.:** 2014, Status of VLBI in Japan and East Asia, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Hagiwara, Y.:** 2014, Planning Italy-Japan observations, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Hagiwara, Y.:** 2014, Recent Status of the EAVN Experiments, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Hagiwara, Y.:** 2015, Recent status of EAVN experiments, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Hagiwara, Y.:** 2015, Future project EAVN/SKA, UST-GUAS Radio astronomy winter school 2015, (Jeju, Korea, Feb. 10-13, 2015).
- Hanada, H., Kikuchi, F., Noda, H., Matsumoto, K., Kono, Y., Tsuruta, S., Asari, K., Araki, H., Kashima, S.,** Funazaki, K., Kunimori, H., Sasaki, S.: 2014, Present status of VLBI, ILOM and LLR for future lunar missions, Chang’E Lunar Dynamics Workshop (CLDW2014), (Beijing, China, Jun. 2-7, 2014).
- Hanada, H., Tsuruta, S., Asari, K., Araki, H., Noda, H., Kashima, S.,** Funazaki, K., Satoh, A., Taniguchi, H., Kato, H., Kikuchi, M., Yokokawa, R., Shinke, S., Petrova, N., Gusev, A.: 2014, Development of a telescope for observation of the lunar rotation and experiments on the ground, The Fifth Moscow Solar System Symp., (Moscow, Russia, Oct. 13-18, 2014).
- Hanada, H., Tsuruta, S., Asari, K.,** Chiba, K., Inaba, K., Funazaki, K., Satoh, A., Taniguchi, H., Kato, H., Kikuchi, M., **Araki, H., Noda, H., Kashima, S.:** 2014, Observations of lunar rotation on the Moon: possibility and problems, Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).
- Hanada, H.:** 2014, ILOM project: status and perspective, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Hanaoka, Y., Sakurai, T., IRMag Group:** 2014, Solar Full-Disk Polarization Measurement with the Fe I 15648 Line, IAU Symp. 305, (Punta Leona, Costa Rica, Nov. 30-Dec. 5 2014).
- Hanayama, H.:** 2015, Observations of Solar System Objects with Murikabushi 105cm Telescope, East Asia Young Astronomers

- Meeting 2015, (Taipei, Taiwan, Feb. 9-12, 2015).
- Handa, T., Soejima, T., Nakano, M., Omodaka, T., **Nagayama, T., Chibeze, J. O.**, Baba, T., Kamezaki, T.: 2014, Star Formation and the Molecular Gas Property in W4 West (AFGL333) Region, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Hara, H.**: 2014, SOLAR-C Science Goals and Requirements, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Hara, H.**: 2014, Spectroscopy of Reconnection Inflow and Outflow in Solar Flares, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Hara, H.**: 2014, The SOLAR-C Mission, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Hara, T., **Naoteru, G., Yano, T.**, Yamada, Y.: 2014, Evaluation of centroiding algorithm error for Nano-JASMINE, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Haryama, J., et al. including **Iwata, T.**: 2014, Unprecedented Zipangu Underworld of the Moon Exploration (UZUME), AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Hatsukade, B.**: 2014, Two Gamma-ray Vursts from Dusty Regions with Little Molecular Gas, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Hayano, Y., Hayashi, S.**: 2014, Subaru Telescope: Its instruments and large optics, Int. Symp. on Advances in Abrasive Technology, (Kona, USA, Sep. 13, 2014).
- Hayano, Y.**, Tamada, Y., Hattori, M., **Oya, S.**, Kamei, Y., Murata, T., Hasebe, M.: 2014, Adaptive optics and its application to bioimaging, JSAP-OSA Joint Symposia, (Sapporo, Japan, Sep. 17-20, 2014).
- Hayashi, M., Kodama, T.**, Koyama, Y., **Tadaki, K., Tanaka, I., Shimakawa, R., Matsuda, Y.**, Sobral, D., Best, P. N., Smail, I.: 2014, Mapping the large-scale structure around a $z = 1.46$ galaxy cluster in 3-D, Multiwavelength-surveys: Galaxy formation and evolution from the early universe to today, (Dubrovnik, Croatia, May 12-16, 2014).
- Helminiak, K. G.**, Konacki, M., Ratajczak, M., Jordán, A., Espinoza, N., Brahm, R., **Kambe, E., Ukita, N.**: 2014, Multiples among detached eclipsing binaries from the ASAS catalog, Living Together: Planets, Host Stars and Binaries, (Litomyšl, Czech Rep., Sep. 8-12, 2014).
- Herrera, C.**: 2014, Star Formation and Turbulence in the Antennae Overlap Region, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Hesse, M., Aunai, N., Kuznetsova, M., **Zenitani, S.**: 2014, Electron scale physics in magnetic reconnection, European Geosciences Union General Assembly 2014, (Vienna, Austria, Apr. 27-May 2, 2014).
- Hesse, M., Aunai, N., **Zenitani, S.**, Kuznetsova, M., **Birn, J.**: 2014, Symmetric and asymmetric reconnection: brothers separated at birth?, US-Japan Workshop on Magnetic Reconnection (MR 2014), (Tokyo, Japan, May 20-24, 2014).
- Hesse, M., Aunai, N., **Zenitani, S.**: 2014, The transition from symmetric to asymmetric collisionless magnetic reconnection, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Hibi, Y., Jiandong, S., Hua, Q., **Matsuo, H.**, Lin, K., Jian, C., Peiheng, W.: 2014, Cryogenic GaN/AlGaIn HEMT ICs and fabrication probability of monolithic sensor of super- and semiconductor devices, 11th Int. Workshop on Low Temperature Electronics (WOLTE), (Grenoble, France, Jul. 7-9, 2014).
- Hidaka, J., **Kajino, T.**, Mathews, G. J., Suuki, J.: Supernova relic neutrino, HPCI Int. Workshop on Study of Neutron Stars and Core-Collapse Supernovae, (Wako, Japan, Dec. 16-20, 2014).
- Hirai, Y., Ishimaru, Y., Saitoh, T. R., **Fujii, M. S., Kajino, T.**: 2014, Enrichment of r-process elements in dwarf spheroidal galaxies with chemical and dynamical evolution model, Fourth Joint Meeting of the Nuclear Physics Divisions of the American Physical Society and the Physical Society of Japan, (Waikoloa, HI, USA, Oct. 7-11, 2014).
- Hirata, N., Matsumoto, K.**, Kimura, J., Kitazato, K.: 2014, Constraining the distribution of regolith deposits from the gravitational potential field on small asteroids, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Hirota, T.**, Kim, M. K., **Honma, M.**: 2015, ALMA observations of a hot molecular disk around Orion KL Source I, Icy Grain Chemistry for Formation of Complex Organic Molecules: From Molecular Clouds to Protoplanetary Disks, Comets and Meteorites, (Tokyo, Japan, Mar. 5-7, 2015).
- Hirota, T.**: 2014, Observational study of star-forming regions with VERA and beyond, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Hirota, T.**: 2014, Detection of a Hot Molecular Disk around a Massive Protostar Candidate Orion KL Source I, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Hirota, T.**: 2014, Status of SFRs sub-WG, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Hirota, T.**: 2015, Status of SFRs sub-WG, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Hirota, T.**: 2015, KaVA SFR large proposal, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Hirota, T.**: 2015, Star-formation and interstellar matter, UST-GUAS Radio astronomy winter school 2015, (Jeju, Korea, Feb. 10-13, 2015).
- Honma, M.**: 2014, Maser Astrometry with VLBI and Galactic Structure, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Honma, M.**: 2014, VERA Science Results, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Honma, M.**: 2014, Super resolution imaging, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Honma, M.**: 2014, Summary and Conclusions, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Honma, M.**: 2014, Report from Astrometry WG, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Honma, M.**: 2015, VERA and the Galaxy, UST-GUAS Radio astronomy winter school 2015, (Jeju, Korea, Feb. 10-13, 2015).
- Hussmann, H., et al. including **Araki, H., Namiki, N., Noda, H.**: 2014, Investigation of the Galilean Moons with the Ganymede Laser Altimeter (GALA), Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).
- Ikeya, M., Sakai, T., **Kojima, T., Noguchi, T.**: 2014, Reduction of Leakage Current of Nb SIS Junctions by Adding an Extra Al Layer, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Imanishi, M.**: 2015, High-spatial-resolution infrared imaging search for buried dust AGNs in merging galaxies, Unveiling the AGN/Galaxy Evolution Connection, (Puerto Varas, Chile, Mar. 9-13, 2015).
- Inoue, T.**, Fukui, Y.: 2014, Formation of Massive Filamentary Cloud Cores behind Shock Wave, Star Formation Across Space and Time,

(Noordwijk, Netherlands, Nov. 11-14, 2014).

- Inoue, T.**, Fukui, Y.: 2014, Formation of Massive Molecular Cloud Cores by Cloud Collision, East Asia Numerical Astrophysics Meeting, (Suwon, Korea, Sep. 15-19, 2014).
- Inoue, T.**: 2015, Dynamical Evolution of the Magnetized Interstellar Medium, Nagoya Workshop on the Interstellar Hydrogen, (Nagoya, Japan, Mar. 26-28, 2015).
- Iono, D.**: 2014, ALMA Science Highlights, General Assembly and Scientific Symposium (URSI GASS), 2014 XXXIth URSI, (Beijing, China, Aug. 16-23, 2014).
- Iono, D.**: 2014, ALMA/ASTE Future Development, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Iwai, K.**, Miyoshi, Y., Masuda, S., Tsuchiya, F., Morioka, A., Misawa, H.: 2014, Spectral Structures and Their Generation Mechanisms for Solar Radio Type-I Bursts, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Iwai, K.**, **Shibasaki, K.**, Nozawa, S., Takahashi, T., Sawada, S., Kitagawa, J., Miyazaki, S., Kashiwagi, H.: 2014, Coronal Vector Magnetic Field and the Plasma Beta Determined from the Nobeyama Radioheliograph and Multiple Satellites Observations, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Iwata, I.**: 2014, Constraints on LyC escape fraction from direct observations of $z \sim 3$ galaxies, Lyman Continuum Leakage and Cosmic Reionization, (Stockholm, Sweden, Aug. 13-15, 2014).
- Iwata, T.**, Haruyama, J., Ohtake, M., Morota, T., Hasebe, N., Ishihara, Y., Hashizume, K., Katayama, Y., Kato, S., Kato, Y., Kono, I., Kusano, H., Nagaoka, H., Otsuki, M., Shirao, M., Tsumaki, T., Ueta, A., Watanabe, K.: 2014, A Study on the Sample Return Mission for Lunar Highlands, Maria, and Vertical Holes, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Iwata, T.**, Kawakatsu, Y., Murakami, G., Ezoe, Y., Kameda, S., Keika, K., Arai, T., Matsuura, S., Imamura, T., Ogohara, K.: 2015, Solar System Sciences using DESTINY, Symposium on Planetary Science 2015, (Sendai, Japan, Feb. 16-18, 2015).
- Iwata, T.**, Kawakatsu, Y., Murakami, G., Ezoe, Y., Kameda, S., Keika, K., Arai, T., Matsuura, S., Imamura, T., Ogohara, K.: 2015, Studies on solar system explorations using DESTINY: the Demonstration and Experiments of Space Technology for INterplanetary VoYage. The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16–20, 2015).
- Iwata, T.**, Kawakatsu, Y.: 2014, A study for candidate scientific instruments for DESTINY: Demonstration and Experiment of Space Technology for Interplanetary Voyage, Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).
- Iwata, T.**, Kitazato, K., Abe, M., Arai, T., Nakauchi, Y., Nakamura, T., Hiroi, T., Matsuoka, M., Matsuura, S., Ozaki, M., Watanabe, S.: 2014, Performances of Flight Model of NIRS3: the Near Infrared Spectrometer on Hayabusa-2, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Iwata, T.**, Kitazato, K., Abe, M., Arai, T., Nakauchi, Y., Nakamura, T., Osawa, T., Hiroi, T., Matsuoka, M., Matsuura, S., Ozaki, M., Watanabe, S.: 2014, Performances of Flight Model of NIRS3: the Near Infrared Spectrometer on Hayabusa-2, European Planetary Science Congress 2014, (Cascais, Portugal, Sep. 7–12, 2014).
- Iwata, T.**, **Matsumoto, K.**, Ishihara, Y., **Kikuchi, F.**: 2014, Measurements of Martian rotational variations using Mars Entry-Descent-Landing and Surface Exploration Technologies Demonstrator, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Izumiura, H.**: 2014, AKARI Observations of Evolved Satrs, The Universe in the light of AKARI Synergy with future Large Space Telescopes, (Oxford, UK, Jul. 9-11, 2014).
- Izumiura, H.**: 2014, EAPSNET: an East-Asian Planet Search NETWORK, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Kajino, T.**: Big-Bang and Supernova Neutrinos and Nucleosynthesis, 5th Carpathian Summer School in Physics, (Sinaia, Romania, Jun. 13-26, 2014).
- Kajino, T.**: Supernova as a Laboratory for Element Genesis and Neutrino Physics, 18th Int. Workshop on Astro-Nuclear Physics, (Seoul, Korea, Aug. 18-20, 2014).
- Kajino, T.**: Roles of Nuclear Charge-Current responses in Supernova Nucleosynthesis and Neutrinos, Int. Symp. on Neutrino Nuclear Responses for Neutrino Studies in Nuclei, (Osaka, Japan, Nov. 5-6, 2014).
- Kajino, T.**: R-process in Neutron Star Mergers and Supernovae, 13th Int. Symp. on Nuclei in the Cosmos, (Debrecen, Hungary, Sep. 7-11, 2014).
- Kajino, T.**: Critical roles of fission in the r-process nucleosynthesis in binary neutron-star mergers and Galactic evolution, 22nd ASRC Int. Workshop on Nuclear Fission and Exotic Nuclei, (Tokai, Japan, Dec. 3-5, 2014).
- Kajino, T.**: R-process in Neutron Star Mergers and Supernovae, Nuclear Physics and Astrophysics of Neutron-Star Mergers and Supernovae, and the Origin of R-Process Elements, (Trento, Italy, Sep. 8-12, 2014).
- Kajino, T.**: Big-Bang and Supernova Neutrinos and Nucleosynthesis, NUBA Int. Conf. Nuclear Physics and Astrophysics, (Antalya, Turkey, Sep. 15-21, 2014).
- Kajino, T.**: Element Genesis in the Universe, Int. Workshop on Nuclear Astrophysics, (Beijing, China, Jan. 21-23, 2015).
- Kameno, S.**, Miccolis, M., **Sugimoto, M.**, Nakos, T.: 2014, Efficient spurious signal detection and mitigation in single-dish radio spectroscopy, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Kameno, S.**, **Mizuno, I.**, **Nakamura, F.**, Kuroo, M., Kano, A., **Kawaguchi, N.**, **Shibata, K. M.**, **Kuno, N.**, **Takano, S.**, **Kuji, S.**: 2014, The software-based polarization spectrometer Polaris, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Kameya, O.**, Tsuboi, M., Asaki, Y., Yonekura, Y., Miyamoto, Y., Kaneko, H., Seta, M., Nakai, N., **Miyoshi, M.**, Takaba, H., Wakamatsu, K., Fukuzaki, Y., Morimitsu, T., Sekido, M.: 2014, 22 GHz Monitoring of Sgr A* during the G2 Peri-Center Passing with Japanese VLBI Network, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Kameya, O.**: 2014, Activity of the Mizusawa 10m Radio Telescope, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Kameya, O.**: 2015, Activity of the Mizusawa 10m radio telescope and pulsar observations using VERA, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Kano, R.**, CLASP team: 2014, Exploration of Magnetic Fields in Solar Chromosphere by High-Precision Lyman-Alpha Polarimetry, Astronomical Polarimetry 2014, (Grenoble, France, May 26-30, 2014).

- Kano, R., Ishikawa, R., Narukage, N., Bando, T., Katsukawa, Y., Kubo, M., Ishikawa, S., Kobayashi, K., Trujillo Bueno, J., Auchère, F., CLASP team:** 2014, Chromospheric Lyman-alpha spectropolarimeter (CLASP), 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Karatsu, K., Kojima, T., Sekimoto, Y., Nitta, T., Sekine, M., Sekiguchi, S., Okada, T., Shu, S., Noguchi, T., Uzawa, Y., Matsuo, H., Kiuchi, H., Naruse, M.:** 2014, Development of Superconducting Low Pass Filter for Ultra Low Noise Measurement System of Microwave Kinetic Inductance Detector, The 25th Int. Symp. on Space Terahertz Technology, (Moscow, Russia, Apr. 27-30, 2014).
- Kashikawa, N.:** 2014, High-z science summary, Evolution of SMBHs with HSC: First results from initial dataset, (Academia Sinica, Taiwan, Dec. 18-20, 2014).
- Kashikawa, N.:** 2014, TMT science cases, 3rd Annual Symp. of the Innovative Area on Multi-messenger Study of Gravitational Wave Sources, (Hiroshima, Japan, Dec. 19-21, 2014).
- Kasuga, M.:** 2014, Different Photospheric Magnetic Properties at Footpoints between Hot and Warm Coronal Loops in Active Regions, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Kasuga, T., Usui, F., Ootsubo, T., Hasegawa, S., Kuroda, D., Shirahata, M., Okamura, N.:** 2014, High-albedo C-complex outer-belt asteroids: The near-infrared spectra, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Kataoka, A.:** 2014, Planetesimal formation via fluffy dust aggregates, The influence of material and temperature on the dust coagulation in protoplanetary disks, (Sapporo, Japan, Aug. 5-7, 2014).
- Kataoka, A.:** 2015, Observational properties of fluffy dust aggregates, Transition Disks and Planet Formation, (Lorentz Center, Leiden, Nederland, Mar. 2-6, 2015).
- Katsukawa, Y.:** 2014, Properties of small-scale jets in the solar chromosphere revealed through spectroscopic observations, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Katsukawa, Y.:** 2014, Progress in our understanding of the solar surface magnetism provided by HINODE, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Katsukawa, Y., Otsuji, K., Tarbell, T.:** 2014, Study of High-Speed Flows Associated with Chromospheric Transients Around a Sunspot, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Kawabe, R.:** 2014, Extremely Dense Core: Evidence for a First Hydrostatic Core, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Kawaguchi, T.:** 2015, Towards Radio Surveys of Massive Black Holes, The 3rd Workshop on Large Aperture Sub/mm Telescope in the ALMA Era, (Mitaka, Tokyo, Japan, Mar. 10-11, 2015).
- Kawaguchi, T., Saito, Y., Miki, Y., Mori, M.:** 2014, Relics of Galaxy Merging: Optical Emission from a Star Cluster Trailing a Wandering Massive Black Hole in the M31 Halo, Evolution of SMBHs with HSC: First results from initial dataset, (Academia Sinica, Taiwan, Dec. 18-20, 2014).
- Kawaguchi, T., Saito, Y., Miki, Y., Mori, M.:** 2015, Relics of Galaxy Merging: Observational Predictions for a Wandering Massive Black Hole and Accompanying Star Cluster in the M31 Halo, Black Holes in Dense Star Clusters, (Aspen, USA, Jan. 17-22, 2015).
- Kawashima, T., Ogawa, T., Ono, T., Oda, H., Matsumoto, R.:** 2014, Global Three-Dimensional MHD Simulations of Disk Dynamo, 4th East-Asian School and Workshop on Laboratory, Space, Astrophysical Plasmas, (Harbin, China, Jul. 28-Aug. 1, 2014).
- Kawashima, T., Ogawa, T., Ono, T., Oda, H., Matsumoto, R.:** 2014, X-Ray Flares Induced by the Magnetic Reconnection in Black Hole Accretion Flows, US-Japan Workshop on Magnetic Reconnection, (Tokyo, Japan, May 20-23, 2014).
- Kero, J., Nakamura, T., Szasz, C., Kastinen, D., Watanabe, J., Yamamoto, M., Fujiwara, Y., Abo, M., Tanaka, Y., Abe, S.:** 2014, Shigaraki middle and upper atmosphere radar meteor-head-echo database, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Kikuchi, F.:** 2014, Some effective methods and instruments for VLBI observation of lunar and planetary explorer, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/ Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Kikuchi, F., Matsumoto, K.:** 2014, Optimal configuration of dual-spacecraft radio occultation observation for future lunar ionosphere exploration, European Geosciences Union General Assembly 2014, (Vienna, Austria, Apr. 27-May 2, 2014).
- Kikuchi, K.:** 2014, ALMA Future Development, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Kim, J. H.:** 2015, The Effect of Large-Scale Structure on the Formation of Disk Galaxies : Specific Angular Momentum Point of View, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Kim, J. S.:** 2014, Transition in the Outflow Evolution of the Massive Star-forming Region W75N, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Kim, J. S.:** 2014, Preliminary Report of Monitoring Cyg X-3 to Catch Flares, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Kim, J. S.:** 2015, Transition of Outflow Morphology in the Massive Star-forming Region W75N, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Kim, K. T., Hirota, T., KVN+VERA Star Formation Working Group:** 2014, Observational Studies of Star-forming Regions with KVN and KVN+VERA, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Kitagawa, Y., Ozaki, S., Motohara, K., Konishi, M., Takahashi, H., Tateuchi, K., Todo, S., Kato, N., Yoshikawa, T.:** 2014, Concept and optical design of the near-infrared integral field unit for SWIMS, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation, (Monreal, Canada, Jun. 23-27, 2014).
- Kitazato, K., Iwata, T., Abe, M., Ohtake, M., Matsuura, S., Arai, T., Nakauchi, Y., Tsumura, K., Hirata, N., Senshu, H., Watanab, S.:** 2015, In-Flight Performance of the Hayabusa-2 Near-Infrared Spectrometer (NIRS3), The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Kobayashi, H., Hagiwara, Y., Cho, S. H., Kim, J. S., Hong, X., Shen, Z. Q., EAVN Team:** 2014, Status and Feature of East Asian VLBI Network, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Kobayashi, Y., Niwa, Y., Yano, T., Gouda, N., Hara, T., Yamada, Y.:**

- 2014, Measurement of pixel response functions of a fully depleted CCD, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Kodama, T.:** 2014, The ancestors of cluster early-type galaxies seen in proto-clusters around HzRGs, International Conference on Powerful AGN, (Port Douglas, Australia, Jun. 20, 2015).
- Kodama, T.:** 2014, Mapping and resolving galaxy formation at its peak epoch with Mahalo-Subaru and Gracias-ALMA, Int. Conf. on Galaxies in 3D across the Universe, (Vienna, Austria, Jul. 10, 2014).
- Kodama, T.:** 2015, Proto-clusters at high-z: structures and stellar populations, Int. Conf. on Back at the Edge of the Universe, (Sintra, Portugal, Mar. 19, 2015).
- Kojima T., Fujii, Y., Soma, T., Yamamoto, S., Uzawa, Y.:** 2015, Development of a Terahertz HEB Mixer-Amplifier with SiGe HBTs, The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Kojima T., Kroug, M., Gonzalez, A., Asayama, S., Uzawa, Y.:** 2015, Design of Superconducting On-chip Frequency Multiplexers for a Low-noise Multiband Receiver, The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Kojima, T., Fujii, Y., Soma, T., Yamamoto, S., Uzawa, Y.:** 2014, Development of a Terahertz Receiver Incorporating a Superconducting Mixer Integrated with a SiGe Low-Noise Amplifier, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Kojima, T., Gonzalez, A., Uzawa, Y.:** 2014, Design and Loss Measurement of Substrate Integrated Waveguides at Terahertz Frequencies, The 25th Int. Symp. on Space Terahertz Technology, (Moscow, Russia, Apr. 27-30, 2014).
- Kokubo, E.:** 2014, Formation of Close-in Super-Earths by Giant Impacts, Exoplanetary Science, (Quy Nhon, Vietnam Apr. 20-26, 2014).
- Kokubo, E.:** 2014, Formation of Terrestrial Planets from Protoplanets: Effects of System Size and Position, Complex Planetary Systems, (Namur, Belgium, Jul. 7-11, 2014).
- Kokubo, E.:** 2014, Exploring Planet Formation by N-Body Simulations, Stellar N-Body Dynamics, (Sexten, Italy, Sep. 8-12, 2014).
- Kokubo, E.:** 2014, Formation of Close-in Super-Earths by Giant Impacts, German-Japanese Meeting Exo-Planets and their Formation, (Heidelberg, Germany, Nov. 4-7, 2014).
- Kolotkov, D., Nakariakov, V., Nisticò, G., **Shibasaki, K.**, Kupriyanova, E.: 2014, Spatial Structure of Multimode Oscillations in a Solar Flare on 14 May 2013 in EUV and Radio Bands, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Kotake, K.:** 2014, Multimessenger observables from core-collapse supernovae: some strategies, Brainstorming meeting, (Basel, Switzerland, Sep. 23-Oct. 3, 2014).
- Kotake, K.:** 2014, Multimessenger observables from multi-D core-collapse supernova simulations, Nuclear Physics and Astrophysics of Neutron-Star Mergers and Supernovae, and the Origin of R-Process Elements, (Trento, Italy, Sep. 8-12, 2014).
- Kotake, K.:** 2014, Multi-D Core-Collapse Supernova Explosions and the Multi-Messenger Signatures, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Kotake, K.:** 2015, International Workshop on Neutrino Physics and Astrophysics, Mimar Sinan Fine Arts University, (Istanbul, Turkey, Mar. 16-20, 2015).
- Kozak, P., **Watanabe, J.**, Sato, M.: 2014, Anomalous meteors from the observations with super-isocon TV systems, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Kozuki, Y., Ishida, H., Hasegawa, Y., Kuroiwa, K., Kimura, K., Muraoka, K., Maezawa, H., Ohnishi, T., Ogawa, H., **Asayama, S., Minamidani, T., Kojima, T., Fujii, Y., Noguchi, T.**, Nakajima, T., Kato, C., Fujii, Y., Yamamoto, H.: 2015, Development for a wideband 100 GHz SIS mixer, The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Kozuki, Y., Ishida, H., Hasegawa, Y., Kuroiwa, K., Kimura, K., Muraoka, K., Maezawa, H., Ohnishi, T., Ogawa, H., **Asayama, S., Minamidani, T., Kojima, T., Fujii, Y., Noguchi, T.**, Nakajima, T., Kato, C., Kuwahara, T., Fujii, Y., Yamamoto, H.: 2014, 100 GHz SIS mixer with wide IF bandwidth, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Kubo, M.**, et al. including **Kano, R., Ishikawa, R., Bando, T., Narukage, N., Katsukawa, Y., Ishikawa, S., Suematsu, Y., Hara, H., Giono, G.:** 2014, A Sounding Rocket Experiment for the Chromospheric Lyman-Alpha Spectro-Polarimeter (CLASP), IAU Symp. 305, (Punta Leona, Costa Rica, Nov. 30-Dec. 5 2014).
- Kubo, M.**, et al. including **Kano, R., Bando, T., Narukage, N., Ishikawa, R., Katsukawa, Y., Ishikawa, S., Suematsu, Y., Hara, H.:** 2014, Exploration of Magnetic Fields in Solar Chromosphere by a Sounding Rocket Experiment for the Chromospheric Lyman-Alpha Spectro-Polarimeter (CLASP), 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Kubo, M.**, Low, B. C., Lites, B. W.: 2014, Unresolved mixed polarity magnetic fields at flux cancellation site in solar photosphere at 0.3 spatial resolution, IAU Symp. 305, (Punta Leona, Costa Rica, Nov. 30-Dec. 5 2014).
- Kubo, Y., Watari, S., Ishii, M., Ishibasashi, H., **Iwai, K.:** 2014, Development of New Solar Radio Telescope in NICT, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Kudoh, T.**, Yokoyama, T., Kudoh, Y., Matsumoto, R.: 2014, Numerical Simulation of Cosmic-ray Parker Instability, US-Japan Workshop on Magnetic Reconnection (MR 2014), (Tokyo, Japan, May 20-24, 2014).
- Kudoh, T.**, Yokoyama, T., Kudoh, Y., Matsumoto, R.: 2014, Nonlinear Evolution of Cosmic Ray Parker Instability, Plasma 2014, (Niigata, Japan, Nov. 18-21, 2014).
- Kumamoto, A., Ishiyama, K., Kobayashi, T., **Oshigami, S.**, Haruyama, J.: 2014, Determination of the Dielectric Constant of the Lunar Surface Based on the Radar Echo Intensity Observed by the Kaguya, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Kumamoto, A., Ishiyama, K., **Oshigami, S.**, Haruyama, J., Goto, Y.: 2015, High Permittivity Regions in Oceanus Procellarum and Mare Imbrium Found by SELENE (Kaguya), The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Kupriyanova, E., **Shibasaki, K.**, Melnikov, V.: 2014, Spatially Resolved Minute Periodicities in Flaring Microwave Emission, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Kuznetsov, A., Reznikova, V., Van Doorselaere, T., **Antolin, P.:** 2014, Simulations of gyrosynchrotron microwave emission from an oscillating magnetic loop, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Liu, W., **Antolin, P.:** 2015, Prominences & coronal rain - Similarities and differences, ISSI Workshop - Bern, (Bern, Switzerland, Feb. 23-27, 2015).

- Liu, W., De Pontieu, B., Okamoto, J., Vial, J.-C., Title, A., **Antolin, P.**, Berger, T., Uitenbroek, H.: 2014, First High-resolution Spectroscopic Observations by IRIS of a Fast Prominence Eruption Associated with a CME on 2014-May-09, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Liu, W., Berger, T., **Antolin, P.**, Schrijver, K.: 2014, IRIS Observations of Coronal Rain and Prominences: Return Flows of the Chromosphere-Corona Mass Cycle, American Astronomical Meeting 2014, (Boston, USA, Jun. 1-5, 2014).
- Lundock, R.**: 2014, Ramsey Lundock on Writing for Sci Fi, HawaiiCon 2014, (Kohala Coast, HI, USA, Sep. 12-14, 2014).
- Lundock, R.**, Plait, P., Ferdowsi, B., Hamond, G. B.: 2014, Putting the Science in Sci Fi, HawaiiCon 2014, (Kohala Coast, HI, USA, Sep. 12-14, 2014).
- Matsuda Y.**: 2014, The ALMA Patchy Deep Survey: A blind search for [CII] emitters at $z \sim 4.5$, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Matsuda, Y.**: 2014, The ALMA Patchy Deep Survey: A blind search for [CII] emitters at $z \sim 4.5$, Transformational Science in the ALMA Era: Multi-Wavelength Studies of Galaxy Evolution, (Charlottesville, VA, USA, Aug. 4-7, 2014).
- Matsumoto, K.**: 2014, Geodetic observations and insights into the interior, GALA General Meeting, (Tokyo, Japan, May 7-8, 2014).
- Matsumoto, K., Yamada, R., Kikuchi, F.**, Kamata, S., Ishihara, Y., **Iwata, T., Hanada, H.**, Sasaki, S.: 2015, Internal structure of the Moon inferred from Apollo seismic data and selenodetic data from GRAIL and LLR, The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Matsumoto, K., Yamada, R., Kikuchi, F.**, Kamata, S., Ishihara, Y., **Iwata, T., Hanada, H.**, Sasaki, S.: 2014, Lunar internal structure modeling using Apollo seismic travel time data and the latest selenodetic data from GRAIL and LLR, AGU Fall Meeting 2014, (San Francisco, CA, USA, Dec. 15-19, 2014).
- Matsumoto, K., Yamada, R., Kikuchi, F.**, Kamata, S., **Iwata, T.**, Ishihara, Y., **Hanada, H.**, Sasaki, S.: 2014, Deep Interior Structure of the Moon Inferred from Apollo Seismic Data and the Latest Selenodetic Data, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Matsumoto, K., Yamada, R., Kikuchi, F., Kashima, S.**, Ishihara, Y., **Iwata, T., Hanada, H.**, Sasaki, S.: 2014, Lunar internal structure modeling using Apollo seismic travel time data and the latest selenodetic data, The Fifth Moscow Solar System Symp., (Moscow, Russia, Oct. 13-18, 2014).
- Matsumoto, K., Yamada, R., Kikuchi, F., Kashima, S.**, Ishihara, Y., **Iwata, T., Hanada, H.**, Sasaki, S.: 2014, Lunar internal structure inferred from Apollo seismic travel time data and the latest selenodetic data, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Matsumoto, N.**: 2014, ALMA proposals from the SFR science sub-WG, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Matsumoto, N.**: 2015, Imaging test of 44 GHz methanol maser with KaVA, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Matsuo, H.**: 2014, Photon Statistics for Space Terahertz Astronomy, The 25th Int. Symp. on Space Terahertz Technology, (Moscow, Russia, Apr. 27-30, 2014).
- Matsuo, H.**: 2014, Photon Counting Terahertz Interferometry, A Community Workshop to Plan the Future of Far-Infrared Space Astrophysics, (NASA/GSFC, MD, USA, May 12-13, 2014).
- Matsuo, H.**: 2014, Photon counting technologies for future terahertz astronomy, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Matsuo, H.**: 2014, Photon statistics as a tool for radio astronomy, General Assembly and Scientific Symposium (URSI GASS), 2014 XXXIth URSI, (Beijing, China, Aug. 16-23, 2014).
- Matsuo, H.**: 2014, Proposal of Space Terahertz Interferometry, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Matsuo, H.**: 2015, Combination of Double Fourier and Intensity Interferometers, The 2nd EU-FP7 FISICA Workshop, (Maynooth, Ireland, Jan. 28-29, 2015).
- Matsuo, H.**: 2015, Aperture Synthesis Imaging with Fourier and Intensity Interferometers, Fourier Transform Spectroscopy (FTS) OSA topical meeting, (Lake Arrowhead, CA, USA, Mar. 1-4, 2015).
- Matthias, K., Ikeya, M., Kojima, T., Noguchi, T.**: 2014, High Current Density SIS Junctions Based on Nb/Al,AlN/Nb Tri-layers, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern Asia, (Mie, Japan, Dec. 15-17, 2014).
- Matthias, K., Ikeya, M., Kojima, T., Noguchi, T.**: 2015, High Current Density SIS Junctions Based on Nb/Al,AlN/Nb Tri-layers, The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Micheva, G., Iwata, I., Inoue, A. K.**: 2014, New analysis of LyC leaking $z \sim 3$ galaxies in the SSA22 field, Lyman Continuum Leakage and Cosmic Reionization, (Stockholm, Sweden, Aug. 13-15, 2014).
- Min, C.**: 2015, A long-period observations of SiO masers toward a symbiotic star R Aquarii, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Mitsui, K., Nitta, T., Okada, N., Sekimoto, Y., Karatsu, K.**, Sekiguchi, S., Sekine, M., **Noguchi, T.**: 2014, Fabrication of 721-pixel silicon lens array of a microwave kinetic inductance detector camera, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Miyazaki, S.**: 2014, Hyper Suprime-Cam (Invited Plenary Talk), SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Motogi, K., Sugiyama K., Walsh, A. J., **Hirota T., Honma, M.**, Niinuma, K., Yonekura, Y., Fujisawa, K.: 2014, The Face-on Accretion System in High Mass Star-Formation; Dusty Infalling Streams down to 15 Astronomical Unit, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Nagai, H.**, Kino, M., Koyama, S., Liuzzo E.: 2014, Discovery of mm/submm Emission from Large Scale Jets in Quasars, East Asia ALMA Science Workshop, (Jeju, Korea, Jul. 14-17, 2014).
- Nagai, H.**, et al. including **Nakanishi, K.**: 2014, ALMA Polarimetry: Current Status and Prospects for Cycle 3, Astronomical Polarimetry 2014, (Grenoble, France, May 26-30, 2014).
- Nagai, H.**, et al. including **Nakanishi, K.**: 2014, ALMA Polarization Science Verification: 3C286, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).

- Nagai, T., Shinohara, I., **Zenitani, S.**: 2014, Kinetic Aspects of Magnetic Reconnection in the Magnetotail with the Spacecraft Geotail, US-Japan Workshop on Magnetic Reconnection (MR 2014), (Tokyo, Japan, May 20-24, 2014).
- Nagayama, T.**, Omodaka, T., Handa, T., **Kobayashi, H.**, Burns, R. A.: 2014, Radio Astrometric Observations and the Galactic Constant as Basis of the Galactic Kinematics Study, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Naka, C., Ogawa, S., Shinnaka, Y., **Fujiwara, H.**, **Furusho, R.**, Kawakita, H., Kobayashi, H., **Watanabe, J.**, **Yagi, M.**, Yoshida, M.: Low-dispersion spectroscopic observations of comets C/2012 S1 (ISON) and C/2013 R1 (Lovejoy) by the Subaru Telescope, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Nakahara, S.**: 2014, Multi-epoch, quasi-simultaneous 22/43GHz observations of the M84 nucleus with VERA, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Nakahara, S.**: 2014, Multi-epoch, quasi-simultaneous 22/43GHz observations of the M84 nucleus with VERA, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Nakamura, F.**: 2014, Revealing the Initial Conditions of Cluster Formation: The Case of Serpens South, The Early Life of Stellar Clusters: Formation and Dynamics, (Copenhagen, Denmark, Nov. 3-7, 2014).
- Nakamura, F.**: 2014, Cluster Formation Triggered by Cloud-Cloud Collision: The Case of Serpens South, Star Formation Across Space and Time, (Noordwijk, Netherlands, Nov. 11-14, 2014).
- Nakamura, F.**: 2014, Synergy of JCMT and NRO: The Case of Star Formation Project, JCMT Science Workshop, (NAOJ, Tokyo, Japan, Sep. 1-2, 2014).
- Nakamura, F.**: 2014, Cluster Formation Triggered by Filament Collisions, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Nakamura, F.**: 2014, Protostellar Jets and Stellar Feedback, Gravity's Loyal Opposition: The Physics of Star Formation Feedback, (Santa Barbara, CA, USA, May 23, 2014).
- Nakamura, F.**: 2015, Magnetic Field in Star-Forming Regions, The 3rd Workshop on Large Aperture Sub/mm Telescope in the ALMA Era, (Mitaka, Tokyo, Japan, Mar. 10-11, 2015).
- Nakamura, K.**: 2014, Recursive structure in the definitions of gauge-invariant variables for any order perturbations, The 24th workshop on General Relativity and Gravitation in Japan, (IPMU, Tokyo University, Kashiwa, Japan, Nov. 10-14, 2014).
- Nakamura, T., Yamamoto, M., Tanaka, Y., Kero, J., Szasz, C., **Watanabe, J.**, Abe, S., Kastinen, D.: 2014, Precise Orbit Determination of Meteors by HPLA Radar and the MU Radar Meteor Head Echo Database, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Nakanishi, K.**, **Nagai, H.**, Fomalont, E., Corder, S., Moellenbrock, G., Tang, Y.-W.: 2014, ALMA Polarization: Commissioning and Verification Status, Astronomical Polarimetry 2014, (Grenoble, France, May 26-30, 2014).
- Nakanishi, K.**, **Nagai, H.**, Fomalont, E., Cortes, P., Remijan, A., Vlahakis, C., Corder, S., Moellenbrock, G., Tang, Y.-W., Hills, R., the ALMA science team: 2014, ALMA Polarization: Current Status and Extension of Capability, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Nakanishi, K.**, Sorai, K., Nakai, N., Kuno, N., Matsubayashi, K., Sugai, H., **Takano, S.**, Kohno, K., Nakajima, T.: 2015, Millimeter Hydrogen Recombination Line in the Center of NGC 253, Dissecting Galaxies Near and Far: High Resolution Views of Star Formation and the ISM, (Santiago, Chile, Mar. 23-27, 2015).
- Nakanishi, K.**, Sorai, K., Nakai, N., Kuno, N., Matsubayashi, K., Sugai, H., **Takano, S.**, Kohno, K., Nakajima, T.: 2014, Ionized gas observation toward a nearby starburst galaxy NGC 253, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Namiki, N.**: 2014, GALA-Japan Status, GALA General Meeting, (Tokyo, Japan, May 7-8, 2014).
- Namiki, N.**, Kimura, J., Kobayashi, M., Hussmann, H., Lingenauber, K., Team Gala-japan: 2014, Development of JUICE/Ganymede Laser Altimeter (GALA), Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).
- Namiki, N.**, Kobayashi, M., Kimura, J., Hussmann, H., Lingenauber, K., Gala Japan: 2014, Development of JUICE/Ganymede Laser Altimeter in Japan, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Namiki, N.**, et al. including **Yamada, R.**, **Noda, H.**, **Shizugami, M.**, **Hirata, N.**, **Matsumoto, K.**, **Oshigami, S.**, **Yoshida, F.**, **Araki, H.**, **Tazawa, S.**: 2015, Performance of Hayabusa-2 LIDAR in Acceptance and Verification Tests, The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Namiki, N.**, et al. including **Yamada, R.**, **Noda, H.**, **Shizugami, M.**, **Hirata, N.**, **Matsumoto, K.**, **Oshigami, S.**, **Yoshida, F.**, **Araki, H.**, **Tazawa, S.**: 2014, Development and tests of Hayabusa-2 LIDAR, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Narita, N.**: 2014, Exoplanet ISDT Activity Report: Exploring Other Worlds with TMT, TMT Science Forum 2014, (Tucson, AZ, USA, Jul. 17-19, 2014).
- Narukage, N.**, **Kano, R.**, **Bando, T.**, **Ishikawa, R.**, **Kubo, M.**, **Katsukawa, Y.**, **Ishikawa, S.**, **Suematsu, Y.**, **Hara, H.**, Tsuneta, S., Auchere, F.: 2014, UV spectropolarimeter design for precise polarization measurement and its application to the CLASP for exploration of magnetic fields in solar atmosphere, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Naruse, M.**, Tanoue, H., Arai, K., **Sekimoto, Y.**, **Noguchi, T.**, Taino, T., Myoren, H.: 2014, Superconducting On-chip Spectrometers at Sub-millimeter Wavelength, The 25th Int. Symp. on Space Terahertz Technology, (Moscow, Russia, Apr. 27-30, 2014).
- Niino, Y.**, Nagamine, K., Zhang, B.: 2014, Metallicity Measurements of GRB Explosion Sites: Lessons from HII regions in M31, Swift: 10 years of discovery, (Rome, Italy, Dec. 2-5, 2014).
- Noda, H.**, Kunimori H., **Araki, H.**: 2014, Lunar Laser Ranging Trial at Koganei SLR Station, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Noda, H.**, Kunimori, H., **Araki, H.**, **Kashima, S.**, Otsubo, T., **Katayama, M.**, **Hanada, H.**, Utsunomiya, S., Fuse, T., Chiba, K., Funazaki, K., Matsumoto, Y.: 2014, LLR Development Status in Japan, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Noda, H.**, Mizuno, T., **Namiki, N.**, Senshu, H., **Yamada, R.**, **Hirata, N.**, LIDAR-Science Team.: 2015, Scientific Measurements of Hayabusa-2 Laser Altimeter (LIDAR), The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Nozawa, T.**: 2014, Dust Production in a Variety of Types of Supernovae,

- Cosmic Dust VII, (Osaka, Japan, Aug. 4-8, 2014).
- Ogawa, S., Shinnaka, Y., Boice, D., **Fujiwara, H., Furusho, R.**, Kawakita, H., Kobayashi, H., **Watanabe, J., Yagi, M.**, Yoshida, M.: 2014, The Spatial Distributions of Daughter Species in Comet C/2013 R1 (Lovejoy), AAS, DPS meeting 46, (Tucson, AZ, USA, Nov. 9-14, 2014).
- Ohishi, M.**: 2014, ITU-R Recommendations and Reports, RA series, IUCAF School on Spectrum Management, (Santiago, Chile, Apr. 7-11, 2014).
- Ohishi, M.**: 2014, IUCAF Activity Report between 2011 and 2014, General Assembly and Scientific Symposium (URSI GASS), 2014 XXXIth URSI, (Beijing, China, Aug. 16-23, 2014).
- Ohishi, M.**: 2014, Chemical Evolution of N-bearing Organic Molecules Leading to Glycine, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Ohishi, M.**: 2014, Chemical Evolution of N-bearing Organic Molecules Leading to Glycine, Workshop on Interstellar Matter 2014, (Sapporo, Japan, Oct. 16, 2014).
- Ohishi, M.**: 2015, Discovery of Objects Richest in CH₃NH₂, Candidates for Future Glycine Surveys, Grain Chemistry Workshop, (Tokyo, Japan, Mar. 5, 2015).
- Ohishi, N.**, Miyoki, S., Uchiyama, T., Miyakawa, O., Ohashi, M.: 2014, Safety management of an underground-based gravitational wave telescope: KAGRA, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Ohsuga, K.**: 2014, Global Radiation-MHD Simulations of Super-Eddington Accretion Flows and Outflows, Hyper Accretion, (IPMU, Chiba, Japan, Apr. 7-11, 2014).
- Ohsuga, K.**: 2014, Super-Eddington Accretion Flows and Outflows; a model for ULXs, ULXs-Implications for our View of the Universe, (Lorentz Center, Leiden, Netherlands, Mar. 31 - Apr. 4, 2014).
- Ohtake, M., **Iwata, T.**, Haruyama, J.: 2014, Mineralogy within the South Pole-Aitken Basin on the Moon, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Okamoto, J., **Antolin, P.**, De Pontieu, B., Uitenbroek, H., Van Doorselaere, T., Yokoyama, T.: 2014, Observational Evidence of Resonant Absorption in Oscillating Prominence, AGU Fall Meeting 2014, (San Francisco, CA, USA, Dec. 15-19, 2014).
- Okutomi, K., **Akutsu, T., Ando, M.**, Nikaido, M., **Tanaka, N., Torii, Y.**, Sato, S., Izumi, K., Chen, D., DPF Working Group: 2014, Development of Inertial Sensor for DECIGO Pathfinder, 10th Int. LISA Symp., (Gainesville, Florida, USA, May 18-23, 2014).
- Otsubo, T., Usui, F., Takita, S., **Watanabe, J.**, Honda, M., Yanamandra-Fisher, Padma A., Kawakita, H., **Furusho, R.**, Kasuga, T., Fuse, T.: 2014, Mid-infrared Observation of Comet C/2012 S1 (ISON) with Subaru+COMCIS, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Otsubo, T., Usui, F., Takita, S., **Watanabe, J.**, Yanamandra-Fisher, P., Honda, M., Kawakita, H., **Furusho, R.**: 2014, Mid-infrared observations of sungrazing comet C/2012 S1 (ISON) with the Subaru Telescope, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Oshigami, S.**, Senshu, H., Wada, K., Kobayashi, M., **Namiki, N.**, Mizuno, T.: 2014, Detection of levitation dust around the asteroid by Hayabusa-2 LIDAR, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Oshigami, S.**, Senshu, H., **Yamada, R.**, **Namiki, N.**, Mizuno, T., Hayabusa-2 LIDAR science team: 2015, Detectability of levitation dust around the asteroid by Hayabusa-2 LIDAR, The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16–20, 2015).
- Oka, T., Geballe, T. R., Goto, M., **Usuda, T.**: 2014, Temperature, Density, Ionization Rate, and Morphology of Diffuse Gas Near the Galactic Center Probed by H₃⁺, 69th Int. Symp. on Molecular Spectroscopy, (University of Illinois, Urbana-Champaign, Jun. 16-20, 2014).
- Otsuji, K., Shibasaki, K.**, Tanaka, Y., Miyagoshi, T.: 2014, Statistical analysis of the gyroresonance sources using Nobeyama Radioheliograph and sunspot sketches, Japan Geoscience Union Meeting 2014, (Yokohama, Japan, Apr. 27-May 2, 2014).
- Oya, S.**: 2014, Ground-layer turbulence evaluation project at Subaru Telescope, Adapting to the Atmosphere Conf. 2014, (Durham, UK, Sep. 15-18, 2014).
- Oyama, T.**: 2014, A progress report on the development and performance of OCTAVE-DAS for VERA, JVN and Japanese e-VLBI (OCTAVE), 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Oyama, T.**: 2014, The development and performance of OCTAVE-DAS and Correlator System, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Oyama, T.**: 2015, Report on the results of test broadband observations of VERA, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Ozaki, S., Tanaka, Y., Hattori, T., Mitsui, K., Fukushima, M., Okada, N., Obuchi, Y., Tsuzuki, T., Miyazaki, S., Yamashitam, T.**: 2015, FOCAS IFU: Current status, Subaru Users Meeting, (Mitaka, Tokyo, Japan, Jan. 13-15, 2015).
- Ozaki, S., Tanaka, Y., Hattori, T., Mitsui, K., Fukushima, M., Okada, N., Obuchi, Y., Tsuzuki, T., Miyazaki, S., Yamashitam, T.**: 2014, Development of a slicer integral field unit for the existing optical spectrograph FOCAS: progress, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation, (Monreal, Canada, Jun. 23-27, 2014).
- Pyo, T.-S., Hayashi, M.**, Beck, T. L., Chris, C. J., Takami, M.: 2014, Complicated Structure of Interacting Young Binary System: Outflows and Gas-Streams, Thirty Meter Telescope Science Forum, (Tucson, AZ, USA, Jul. 16-19, 2014).
- Pyo, T.-S., Hayashi, M.**, Beck, T. L., Chris, C. J., Takami, M.: 2014, Unveiling Complex Outflow Structure of UY AUR, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Rapson, V., Kastner, J., Andrews, S. M., Hines, D. C., Macintosh, B., Millar-Blanchaer, M., **Tamura, M.**: 2015, Near-infrared Scattered Light Imaging of the Protoplanetary Disk Around V4046 Sgr with the Gemini Planet Imager, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Reznikova, V., **Antolin, P.**, Van Doorselaere, T.: 2014, Forward modeling of gyrosynchrotron emission perturbations by sausage mode, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Saito, T., Iono, D., Ueda, J., Nakanishi, K., Imanishi, M., Hagiwara, Y.**, Yun, M. S., Kaneko, H., Komugi, S., Espada, D., Sugai, H., Motohara, K., Tateuchi, K., **Lee, M., Yamashita, T., Michiyama, T., Kawabe, R.**: 2014, Diffuse and Dense Gas in Nearby Luminous Infrared Galaxies, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Saito, T., Iono, D.**, Yun, M. S., **Ueda, J., Nakanishi, K.**, Sugai, H.,

- Espada, D., Imanishi, M., Motohara, K., Hagiwara, Y., Tateuchi, K., Lee, M., Kawabe, R.:** 2014, Investigating AGN/starburst activities through ALMA multi-line observations in the mid-stage merger VV114, IAU Symp. 309, (Wien Univ., Austria, Jul. 7-11, 2014).
- Saito, T., Iono, D., Yun, M. S., Ueda, J., Nakanishi, K., Sugai, H., Espada, D., Imanishi, M., Motohara, K., Hagiwara, Y., Tateuchi, K., Lee, M., Kawabe, R.:** 2014, Investigating AGN/starburst activities through ALMA multi-line observations in the mid-stage merger VV114, East Asia ALMA Science Workshop, (Jeju, Korea, Jul. 14-17, 2014).
- Saito, Y., Yatsu, Y., Yoshii, T., Usui, R., Kurita, S., Ito, K., Tachibana, Y., Yano, Y., Tanigawa, T., Kawai, N., **Kuroda, D., Yanagisawa, K., Hanayama, H.:** 2014, Optical follow-up observation of the transient objects with the Akeno telescope, Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe, (Ehime, Japan, Feb. 19-22, 2014).
- Sakai, N.:** 2014, Direct comparison between VERA, VLBA and EVN astrometry results and an analytic gas dynamics model, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Sakai, N.:** 2015, Activity and future of the galactic astrometry sub-WG, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Sako, N.:** 2014, A Study of Acceleration Mechanisms of X-ray Jets, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Santos, F. P., et al. including **Nakamura, F.:** 2015, Comparing polarized submm emission and near-infrared extinction polarization in the Vela C giant molecular cloud, AAS Meeting #225, (Seattle, WA, USA, Jan. 4-8, 2015).
- Sawada, T., Hasegawa, T., Koda, J.:** 2015, ALMA Reveals Internal Structure of Molecular Clouds in the LMC at Various Evolutionary Stages, Dissecting Galaxies Near & Far, (Santiago, Chile, Mar. 23-27, 2015).
- Sawada, T., Hasegawa, T., Koda, J.:** 2014, ALMA Reveals Internal Structure of Molecular Clouds in the LMC at Various Evolutionary Stages, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Sawada-Satoh, S., Akiyama, K., Niinuma, K., Nagai, H., Kino, M., D'Ammando, F., Koyama, S., Hada, K., Orienti, M., Honma, M., Shibata, K. M., Ueno, Y.:** 2014, Apparent Inward Motion of the Parsec-scale Jet in the BL Lac Object OJ 287 Simultaneously with the Gamma-ray Flares during 2011-2012, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Sawada-Satoh, S.:** 2014, VERA Frequent Monitoring of the Parsec-scale Jet in the BL Lac Object OJ 287 Simultaneous with the Gamma-ray Flares during 2011-2012, 12th EVN Symposium 2014, (Cagliari, Italy, Oct. 7-10, 2014).
- Sawada-Satoh, S.:** 2014, Current Status of VERA, 2014 Radio Telescope Users Meeting, (Muju, Korea, Jul. 22-25, 2014).
- Sawada-Satoh, S.:** 2014, VERA/GENJI Monitoring of OJ 287 in 2010-2013, Eating VLBI (East Asia To Italy: Nearly Global VLBI) 2014, (Bologna, Italy, Oct. 13-14, 2014).
- Sawada-Satoh, S.:** 2015, HCN & HCO⁺ absorptions on NGC 1052, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Sekiguchi, K.:** 2014, NAOJ-NDU collaboration on the 60 cm telescope, MEARIM III, (Beirut, Lebanon, Sep. 1-16, 2014).
- Sekiguchi, S., **Nitta, T., Karatsu, K., Sekimoto, Y., Okada, N., Tsuzuki, T., Sekine, M., Okada, T., Shu, S., Naruse, M., Dominjon, A., Noguchi, T., Kashima, S., Matsuo, H.:** 2014, Development of a Compact Cold Optics for Millimeter and Submillimeter Wave Observations, The 25th Int. Symp. on Space Terahertz Technology, (Moscow, Russia, Apr. 27-30, 2014).
- Sekii, T.:** 2014, Rotation of KIC 11145123, HELAS VI/SOHO-28, (Goettingen, Germany, Sep. 1-5, 2014).
- Sekii, T.:** 2014, Helioseismic Studies of Solar Dynamics, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Sekimoto, Y., Karatsu, K., Nitta, T., Sekine, M., Sekiguchi, S., Okada, T., Shu, S., Noguchi, T., Dominjon, A., Naruse, M.:** 2015, Design of MKID focal plane array for LiteBIRD, The 26th Int. Symp. on Space Terahertz Technology, (Cambridge, MA, USA, Mar. 16-18, 2015).
- Sekimoto, Y., Nitta, T., Karatsu, K., Sekine, M., Sekiguchi, S., Okada, T., Shu, S., Noguchi, T., Naruse, M., Mitsui, K., Okada, N., Tsuzuki, T., Dominjon, A., Matsuo, H.:** 2014, Developments of wide field submillimeter optics and lens antenna-coupled MKID cameras, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Sekimoto, Y., Nitta, T., Karatsu, K., Sekine, M., Sekiguchi, S., Okada, T., Shu, S., Noguchi, T., Naruse, M., Mitsui, K., Okada, N., Tsuzuki, T., Dominjon, A., Matsuo, H.:** 2014, Developments of wide field-of-view MKID cameras for millimeter and submillimeter astronomy, The 8th European Conf. on Antennas and Propagation (EuCAP 2014), (Hague, The Netherlands, Apr. 6-11, 2014).
- Senshu, H., **Oshigami, S., Yamada, R., Kobayashi, M., Namiki, N., Mizuno, T., and Hayabusa-2 LIDAR science team:** 2015, Dust count mode of LIDAR onboard Hayabusa-2, The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Shibagaki, S., Kajino, T., Chiba, S., Mathews, G.:** 2014, Roles of fission, Neutron Star Mergers and Supernovae in R-Process Nucleosynthesis, Fourth Joint Meeting of the Nuclear Physics Divisions of the American Physical Society and the Physical Society of Japan, (Waikoloa, HI, USA, Oct. 7-11, 2014).
- Shibagaki, S., Kajino, T., Chiba, S., Mathews, G.:** 2014, R-process nucleosynthesis in neutron star merger with new fission model, 13th International Symposium on Nuclei in the Cosmos, (Debrecen, Hungary, Sep. 7-11, 2014).
- Shibagaki, S., Kajino, T., Chiba, S., Mathews, G.:** 2014, R-process nucleosynthesis in neutron star merger with new fission model, NIC2014 School, (Debrecen, Hungary, Jun. 30-Jul. 4, 2014).
- Shibagaki, S., Kajino, T., Chiba, S., Mathews, G.:** 2014, R-Process in Neutron Star Merger with a New Fission Model, 2nd Int. Conf. on Advances in Radioactive Isotope Science, (Tokyo, Japan, Jun. 1-6, 2014).
- Shibagaki, S., Kajino, T., Chiba, S., Mathews, G.:** 2014, Roles of Fission, Neutron Star Mergers and Supernovae in R-Process Nucleosynthesis, 5th Carpathian Summer School in Physics, (Sinaia, Romania, Jun. 13-26, 2014).
- Shibagaki, S., Kajino, T., Mathews, G. J., Chiba, S.:** 2014, R-process in neutron-star mergers with a new fission model, 2nd Int. Conf. on Advances in Radioactive Isotope Science, (Tokyo, Japan, Jun. 1-6, 2014).
- Shibagaki, S., Kajino, T., Mathews, G. J., Chiba, S.:** 2014, Impact of nuclear fission on r-process nucleosynthesis and origin of solar r-process elements, 5th Carpathian Summer School in Physics, (Sinaia, Romania, Jun. 13-26, 2014).
- Shibasaki, K.:** 2014, Why microwave emission is a good proxy of solar

- activity?, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Shibasaki, K.:** 2014, Magnetic field in high-beta plasma: spontaneous formation of magnetic flux tubes, 14th European Solar Physics Meeting, (Dublin, Ireland, Sep. 8-12, 2014).
- Shimojo, M.:** 2014, New Window of Sol. Phys.ics: Solar observations with ALMA, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Shimojo, M., Hales, A., Sawada, S., Hills, R., Remijan, A., Corder, S., Yagoubov, P., Sugimoto, M., Asayama, S., Brajsa, R., Bastian, T.,** Solar development study team of NA & EU-ARC: 2014, New window of solar physics: Solar observations with ALMA, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Shino, N.:** 2014, Methanol maser observation massive star formation region IRAS 18089-1732 and IRAS20198+3716, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Shino, N.:** 2015, Methanol maser observation of massive star formation region IRAS 18089-1732 & IRAS 20198+3716, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Shinohara, I., Kojima, H., Nagai, T., **Zenitani, S.,** Fujimoto, M.: 2014, Geotail observation of low frequency wave activity in a 3D structure of magnetotail reconnection site, AGU Fall Meeting 2014, (San Francisco, CA, USA, Dec. 15-19, 2014).
- Shirahata, M., Nakagawa, T., Oyabu, S., Usuda, T.:** 2014, Near-Infrared spectroscopy of CO ro-vibrational absorption toward heavily obscured AGNs, The Universe in the light of AKARI Synergy with future Large Space Telescopes, (Oxford, UK, Jul. 9-11, 2014).
- Shirasaki, Y.:** 2014, AGN-Galaxy clustering and its dependence on the mass of the Supermassive Black Hole, Clustering Measurements of Active Galactic Nuclei, (Garching, Germany, Jul. 14-18, 2014).
- Sōma, M.:** 2014, Observations of the Annular Eclipse on 2012 May 21 by General Public in Japan, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Sōma, M.:** 2014, Reliability of Eclipse Records in Japanese Ancient and Medieval Period, Intensive Workshop on Ancient and Medieval Eclipse Data: Compilation of Eclipse Data and Examination of their Reliability, (Tokyo, Japan, Nov. 27-28, 2014).
- Sotani, H., Iida, K., Oyamatsu, K., Ohnishi, A.:** 2014, Finding of a new nuclear matter parameter characterizing low-mass neutron stars, Fourth Joint Meeting of the Nuclear Physics Divisions of the American Physical Society and the Physical Society of Japan, (Waikoloa, HI, USA, Oct. 7-11, 2014).
- Sotani, H.:** 2014, Possible constraint on nuclear saturation parameters via neutron star observations, NEB 16 - Recent Developments in Gravity, (Mykonos, Greece, Sep. 17-20, 2014).
- Sotani, H.:** 2014, Constraints on the nuclear saturation parameters via neutron star observations, Quarks and Compact Stars, (Beijing, China, Oct. 20-22, 2014).
- Suematsu, Y., Kaithakkal, A. J.:** 2014, Fine-Scale Structure of Solar Polar Faculae and their relation to Magnetic Patches, AGU Fall Meeting 2014, (San Francisco, CA, USA, Dec. 15-19, 2014).
- Suematsu, Y., Kaithakkal, A. J.:** 2014, Fine-scale Structure and Dynamics of Solar Polar Faculae and Magnetic Patches, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Suematsu, Y., Koyama, M., Sukegawa, T., Enokida, Y., Saito, K., Okura, Y., Nakayasu, T., Ozaki, S., Tsuneta, S.:** 2014, Development of Compact Integral Field Unit for Spaceborne Solar Spectro-polarimeter, Int. Conf. on Space Optics 2014, (Tenerife, Spain, Oct. 7-10, 2014).
- Suematsu, Y., Ueno, S.:** 2014, Dynamics of Solar Flare Kernels Observed with 3D Spectroscopy in H-alpha Line and SDO, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Suematsu, Y., Sukegawa, T., Okura, Y., Nakayasu, T., Enokida, Y., Koyama, M., Saito, K., Ozaki, S., Tsuneta, S.:** 2014, Development of micro image slicer of integral field unit for spaceborne solar spectrograph, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation, (Monreal, Canada, Jun. 23-27, 2014).
- Sugiyama, K., Fujisawa, K., Hachisuka, K., Yonekura, Y., Motogi, K., **Sawada-Satoh, S., Matsumoto, N., Saito, Y., Hirano, D., Hayashi, K., Shen, Z. Q., Honma, M., Hirota, T., Murata, Y.:** 2014, The VLBI Monitor Project for the 6.7 GHz Methanol Masers Using the JVN/EAVN, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Sunada, K.:** 2015, VERA Maser surveys, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Takahashi, H. R., Ohsuga, K.:** 2014, Numerical Study of Super Critical Accretion Disks, Plasma Conf. 2014, (Niigata, Japan, Nov. 18-21, 2014).
- Takahashi, H. R., Ohsuga, K.:** 2014, Numerical Study of Jets and Outflows from Super Critical Accretion Disks, ULXs-Implications for our View of the Universe, (Lorentz Center, Leiden, Netherlands, Mar. 31 - Apr. 4, 2014).
- Takahashi, H. R., Ohsuga, K.:** 2014, Explicit-Implicit Scheme for Special Relativistic Magnetohydrodynamics, Hyper-Accretion 2014, Kashiwa, Japan, Apr. 7-11, 2014).
- Takahashi, R.:** 2014, Vibration Isolation System for KAGRA, 6th Korea-Japan Workshop on KAGRA, (Mitaka, Japan, Jun. 20-21, 2014).
- Takahashi, S., ALMA science team:** 2014, The ALMA High-Frequency Campaign, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Takano, S.:** 2014, Distribution of Molecules in the Circumnuclear Disk and Surrounding Starburst Ring in the Seyfert Galaxy NGC 1068 Observed with ALMA, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Tamura, M., SEEDS team:** 2015, SEEDS, Subaru Users Meeting, (Mitaka, Tokyo, Japan, Jan. 13-15, 2015).
- Tamura, M., et al.:** 2014, Direct Imaging of Giant Exoplanets, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Tamura, M.:** 2014, Exoplanet and Disk Imaging with Subaru, WFIRST Workshop, (Pasadena, USA, Nov. 17, 2014).
- Tamura, M.:** 2014, Direct imaging explorations of exoplanets/disks and future Earth-like planet studies with Subaru, China-Subaru workshop, (Shanghai, China, Nov. 29-Dec. 1, 2014).
- Tamura, M.:** 2015, SEEDS, Origins 2014, (Nara, Japan, Jul. 6-11, 2014).
- Tamura, Y.:** 2014, GPS Measurement at VERA Sites, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Tanaka, M.:** 2014, Subaru Hyper Suprime-Cam Survey, Future Directions in Galaxy Cluster Surveys, (Paris, France, Jun. 23-27, 2014).
- Tanaka, M.:** 2014, Direct Measurements of the Formation Timescales of Massive Cluster Ellipticals based on Deep Near-IR Spectroscopy, Multiwavelength-surveys: Galaxy formation and evolution from the early universe to today, (Dubrovnik, Croatia, May 12-16, 2014).

- Tanaka, M.:** 2014, Supernova Science with Subaru/Hyper Suprime-Cam, Chile-Japan Academic Forum in U.Tokyo “Astrophysics and Astronomical Instrumentation”, (Tokyo, Japan, Oct. 8-9, 2014).
- Tanaka, M.:** 2014, Electromagnetic Emission from Neutron Star Mergers, Nuclear Physics and Astrophysics of Neutron-Star Mergers and Supernovae, and the Origin of R-Process Elements, (Trento, Italy, Sep. 8-12, 2014).
- Tanaka, M.:** 2014, Transient Science with Hyper Suprime-Cam, Synergy of HSC and Hiroshima CORE-U projects for Galaxy Cluster and Astronomical Transients, (Hiroshima, Japan, Aug. 27, 2014).
- Tanaka, M.:** 2014, Time-Domain Science, Thirty Meter Telescope Science Forum, (Tucson, AZ, USA, Jul. 16-19, 2014).
- Tanaka, M.:** 2015, Time-Domain Science with Subaru/HSC and Gravitational Wave Objects, The 3rd Workshop on Large Aperture Sub/mm Telescope in the ALMA Era, (Mitaka, Tokyo, Japan, Mar. 10-11, 2015).
- Tanikawa, K., Sôma, M.:** 2014, Historical Astronomy in National Astronomical Observatory of Japan: Long-term variations of the delay of the Earth rotation, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Tanikawa, K., Sôma, M.:** 2014, Historical Astronomy and Eclipses, Intensive Workshop on Ancient and Medieval Eclipse Data: Compilation of Eclipse Data and Examination of their Reliability, (Tokyo, Japan, Nov. 27-28, 2014).
- Tatsumi, D., Ueda, A., Yoneda, H., Sato, K.:** 2014, Low-loss and high damage-threshold mirror development for gravitational-wave detectors, SPIE Laser Damage 2014, (Bolder, CO, USA, Sep. 14–17, 2014).
- Tazaki, F.:** 2015, Super-resolved image of M87 with Sparse Modeling, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Stanke, T., et al. including **Nakamura, F.:** 2015, Apex Large CO Heterodyne Survey, The Soul of High-Mass Star Formation Conf., (Puerto Varas, Chile, Mar. 15–20, 2015).
- Toriumi, S., Iida, Y., Kusano, K., Bamba, Y., Imada, S.:** 2014, How Are Strong Flares Produced in the Sun? Flux Emergence and Formation of NOAA AR 11158, European Geosciences Union General Assembly 2014, (Vienna, Austria, Apr. 27-May 2, 2014).
- Toriumi, S., Iida, Y., Kusano, K., Bamba, Y., Imada, S.:** 2014, Magnetic Reconnection in the Formation of a Flare-productive Solar Active Region, US-Japan Workshop on Magnetic Reconnection (MR 2014), (Tokyo, Japan, May 20-24, 2014).
- Toriumi, S., Iida, Y., Kusano, K., Bamba, Y., Imada, S.:** 2014, Flux emergence and formation of a flare-productive active region, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Toriumi, S.:** 2014, Magnetic Reconnection in Emerging Active Regions, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Toriumi, S., Katsukawa, Y., Antolin, P.:** 2014, Observation of Magnetic Reconnection and Recurrent Cool Jets in Emerging Active Region NOAA 11974, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Toriumi, S.:** 2014, Magnetic Fields in Emerging Active Regions, 4th Int. workshop on small scale solar magnetic fields, (Bairisch Kölldorf, Austria, Apr. 23-25, 2014).
- Toriumi, S.:** 2014, Emerging Magnetic Fields in Active Regions of the Sun, 9th Annual Int. Conf. on Numerical Modeling of Space Plasma Flows (ASTRONUM2014), (Long Beach, CA, USA, Jun. 23-27, 2014).
- Toriumi, S.:** 2014, Magnetic Reconnection in Emerging Active Regions, 2014 LWS/Hinode/IRIS Workshop, (Portland, OR, USA, Nov. 2-6, 2014).
- Tsujimoto, T.:** 2014, Observational test on the origin of r-process from local dwarf spheroidal galaxies, The r-process: status and challenges, (Seattle, USA, Jul. 28-Aug. 1, 2014).
- Tsuzuki, T., Nitta, T., Imada, H., Seta, M., Nakai, N., Sekiguchi, S., Sekimoto, Y.:** 2014, Design of wide-field Nasmyth optical system for a submillimeter camera, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Ueda, J., Iono, D., Yun, M. S., Crocker, A. F., Narayanan, D., Komugi, S., Espada, D., Hatsukade, B., Kaneko, H., Matsuda, Y., Tamura, Y., Wilner, D. J., Kawabe, R., Pan, H.:** 2014, Investigating the evolution of merger remnants from the formation of gas disks, IAU Symp. 309, (Wien Univ., Austria, Jul. 7-11, 2014).
- Ueda, J., Iono, D., Yun, M. S., Crocker, A. F., Narayanan, D., Komugi, S., Espada, D., Hatsukade, B., Kaneko, H., Matsuda, Y., Tamura, Y., Wilner, D. J., Kawabe, R., Pan, H.:** 2014, Investigating the evolution of merging galaxies via cold molecular gas, Revolution in Astronomy with ALMA - The 3rd Year -, (Tokyo, Japan, Dec. 8-11, 2014).
- Ueda, J.:** 2014, Cold Molecular Gas in Merger Remnants, East Asia ALMA Science Workshop, (Jeju, Korea, Jul. 14-17, 2014).
- Ueda, J.:** 2014, A Kiloparsec Scale Molecular Gas Disk in Late-stage Mergers, Transformational Science in the ALMA Era: Multi-Wavelength Studies of Galaxy Evolution, (Charlottesville, VA, USA, Aug. 4-7, 2014).
- Uemoto, K., Ohtake, M., Yokota, Y., Yamamoto, S., Nakamura, R., Haruyama, J., Matsunaga, T., Ishihara, Y., **Iwata, T.:** 2015, Distribution of Impact Melt Generated by the South Pole-Aitken Impact, The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16–20, 2015).
- Usuda, T., et al. including Inatani, J., Iye, M.:** 2014, Preliminary design study of the TMT Telescope structure system: overview, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Usuda-Sato, K., Tomita, A.:** 2014, Astronomy for Development Approaches in Asia, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Uzawa, Y., Fujii, Y., Gonzalez, A., Kaneko, K., Kroug, M., Kojima, T., Miyachi, A., Makise, K., Terai, H., Wang, Z., Asayama, S.:** 2014, Performance of mass-produced terahertz SIS receiver for the ALMA telescope, Applied Superconductivity Conf. 2014, (Charlotte, NC, USA, Aug. 10-15, 2014).
- Uzawa, Y., Fujii, Y., Kroug, M., Makise, K., Kojima, T., Miyachi, A., Gonzalez, A., Kaneko, K., Saito, S., Terai, H., Wang, Z., Asayama, S.:** 2014, Performance of Terahertz Superconducting Receivers for the ALMA Telescope, The 9th Int. Symp. on Intrinsic Josephson Effect and THz Plasma Oscillations in High-Tc Superconductors, (Kyoto, Japan, Nov. 30-Dec. 3, 2014).
- Uzawa, Y., Makise, K., Kojima, T., Kroug, M., Saito, S., Fujii, Y., Gonzalez, A., Kaneko, K., Terai, H., Wang, Z.:** 2014, Characterization of NbTiN films for superconducting terahertz circuitry, 15th Workshop on Submillimeter-Wave Receiver Technologies in Eastern

- Asia, (Mie, Japan, Dec. 15-17, 2014).
- Wakita, S., Nakamura, T., Ikeda, T., Yurimoto, H.:** 2014, Thermal modeling for the parent bodies of asteroid Itokawa, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Wakita, S., Nakamura, T., Ikeda, T., Yurimoto, H.:** 2014, Thermal history of the parent bodies of asteroid Itokawa, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Watanabe, J., Enomoto, T., Terai, T., Kasuga, T., Miyazaki, S., Oota, K., Muraoka, F., Onishi, T., Yamasaki, T., Mito, H., Aoki, T., Soyano, T., Tarusawa, K., Matsunaga, N., Sako, S., Kobayashi, N., Doi, M.:** 2014, Faint-meteor survey with a large-format CMOS sensor, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).
- Watanabe, J., Sugawara, K., Furusho, R., Kawakita, H., Shinoda, T., Ootsubo, T., Ishiguro, M., Sarugaku, Y., Tsukada, K., Abe, S., Terai, T., Yagi, M., Kasuga, T., Akisawa, H., Fuse, T., Ueno, S.:** 2014, What Happened to C/2012 S1(ISON), AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Watanabe, T.:** 2014, The Solar-C Program; Next Japanese-led Sun Observing Mission, 11th Annual General Meeting of Asia Oceania Geosciences Society, (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Watanabe, T., Hara, H., Imada, S., Watanabe, K.:** 2014, Velocity structure of solar flare plasmas, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Watanabe, T., Hara, H., Watanabe, K., Imada, S.:** 2014, Plasma Eruptions Seen in EIS during a C8.3 Flare on 2014 April 4, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Watanabe, T., Solar-C WG, Office for Solar-C:** 2014, Brief Report on SOLAR-C Status, 2014 Living With a Star (LWS) Science Meeting, (Portland, OR, USA, Nov. 2-6, 2014).
- Wei, L., Antolin, P., Sun, X., Berger, T., Okamoto, T.:** 2015, Hybrid Prominence-Coronal Rain Complex in a Supra-arcade Fan Geometry, ISSI Workshop - Bern, (Bern, Switzerland, Feb. 23-27, 2015).
- Wu, B., Loo, Van, Nakamura, F., Tan, J. C.:** 2014, Role of GMC Collisions in Dense Filament, Clumps, and Star Formation, Filamentary Structure in Molecular Clouds, (NRAO Charlottesville, VA, USA, Oct. 10-11, 2014).
- Wu, Y.:** 2014, Maser Astrometry with BeSSeL, Status and Progress, The 7th KaVA Joint Science WG Meeting, (Yamaguchi, Japan, Jul. 7-9, 2014).
- Wu, Y.:** 2015, AGB candidates from WISE and AKARI, The 8th KaVA Joint Science WG Meeting, (Gyeongju, Korea, Jan. 13-15, 2015).
- Yagi, M.:** 2015, Ghosts in Suprime-Cam, Subaru Users Meeting, (Mitaka, Tokyo, Japan, Jan. 13-15, 2015).
- Yaji, K.:** 2014, Communicating Solar Astronomy, NAOJ Workshop at ESO Garching, (Munich, Germany, Aug. 25-26, 2014).
- Yaji, K.:** 2015, Solar Eclipse in Japan : Past & Future, Discussion ofn Thai-Japanese Astronomy, Star-Gazing & Cultural Exchange 2-15, (Chang Mai, Thailand, Jan. 13, 2015).
- Yamada, R., Araki, H., Noda, H., Matsumoto, K.:** 2014, Constraints on source parameters on deep moonquakes and lunar interior structure, AGU Fall Meeting 2014, (San Francisco, CA, USA, Dec. 15-19, 2014).
- Yamada, R., Ishihara, Y., Kobayashi, N., Murakami, H., Shiraishi, H., Hayakawa, M., Tanaka, S.:** 2014, Exploration of lunar seismic activity and lunar interior structure by one penetrator station, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Yamada, R., Senshu, H., Sinsuke, A., Yoshida, F., Hirata, N., Ishihara, Y., Hirata, N., Noda, H., Namiki, N.:** 2014, Estimation of geometric albedo of the 1999JU3 using the laser altimeter (LIDAR) data in Hayabusa-2 mission, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Yamada, R., Shiraishi, H., Kobayashi, N., Murakami, H., Tanaka, S., Takeuchi, N., Ishihara, Y., Hayakawa, M., Garcia, R., Lognonne, P.:** 2014, Exploration of lunar interior structure using the penetrator network, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Yamaguchi, M. S., Yano, Y., Gouda, N.:** 2014, Exoplanet exploration for brown dwarfs with infrared astrometry, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Yamamoto, K., Haruyama, J., Kobayashi, S., Ohtake, M., Iwata, T., Ishihara, Y.:** 2015, Multiple Plateaux Development Prior to Lunar Dichotomy Formation, The 46th Lunar and Planetary Science Conf., (The Woodlands, TX, USA, Mar. 16-20, 2015).
- Yamamoto, S., Soma, T., Nishimura, Y., Watanabe, Y., Sakai, N., Shiino, T., Oguchi, O., Sakai, T., Maezawa, H., Kojima, T., Gonzalez, A., Uzawa, Y.:** 2014, THz Observations from the Ground, ALMA Development Workshop 2014, (Mitaka, Tokyo, Jun. 17-18, 2014).
- Yanagisawa, K., Shimizu, Y., Okita, K., Kuroda, D., Koyano, H., Tsutsui, H., Toda, H., Izumiura, H., Yoshida, M., Ohta, K., Kawai, N., Yamamuro, T.:** 2014, Okayama astrophysical observatory wide field camera, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Yang, Y., Ping, J., Hanada, H.:** 2014, Variation of the plume line and its application to earthquake research, Japanese-Russian Lunar-Planetary Workshop (JRLPW2014), (Mitaka, Tokyo, Japan, Oct. 21/Mizusawa, Iwate, Japan, Oct. 24, 2014).
- Yonekura, Y., Saito, Y., Sugiyama, K., Miyamoto, Y., Soon, K. L., Momose, M., Ogawa, H., Fujisawa, K., Takaba, H., Sorai, K., Nakai, N., Omodaka, T., Oyama, T., Kono, Y., Kobayashi, H., Kawaguchi, N.:** 2014, Development of Takahagi and Hitachi 32-m Radio Telescopes for JVN/EAVN, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Yonetoku, D., et al. including Okita, H., Yanagisawa, K.:** 2014, High-z gamma-ray bursts for unraveling the dark ages mission HiZ-GUNDAM, SPIE Astronomical Telescopes + Instrumentation 2014, (Montreal, Canada, June 22-27, 2014).
- Yoshida T., Ebisawa K., Tsujimoto M., Ohsuga K., Nakagawa Y., Nomura M.:** 2014, Spectral calculation through outflows around compact objects and its hydrodynamic simulation, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Yoshida, F., Kaifu, N.,** Working group of “Stars of Asia”: 2014, Stars of Asia, APRIM 2014: 12th Asia-Pacific IAU Regional Meeting, (Daejeon, South Korea, Aug. 18-22, 2014).
- Yoshida, F., Lin, H.-W., Chen, Y.-T., Souami, D., Bouquillon, S., Ip, W.-H., Chang, C. K., Nakamura, T., Dermawan, B., Yagi, M., Souchay, J.:** 2014, Colors and spin period distributions of sub-km main belt asteroids, 46th Annual Meeting Division for Planetary Sciences, (Arizona, USA, Nov. 9-14, 2014).
- Yoshida, F., Souami, D., Bouquillon, S., Nakamura, T., Dermawan, B., Yagi, M., Souchay, J.:** 2014, Lightcurves of hundred sub-km main belt asteroids, Asteroids, Comets, Meteors 2014 (ACM 2014), (Helsinki, Finland, Jun. 30-Jul. 4, 2014).

- katsukawa, Y.:** 2014, Reconnection in the solar magnetic fields beyond HINODE, 40th COSPAR Scientific Assembly, (Moscow, Russia, Aug. 2-10, 2014).
- Zenitani, S.,** GEOTAIL project: 2014, Coordination/Collaboration between Geotail and MMS, THEMIS, Cluster, GEM mini workshop 2014, (San Francisco, USA, Dec. 14, 2014).
- Zenitani, S.,** Hesse, M., Kuznetsova, M., Klimas, A., Umeda, T.: 2014, The structure of the diffusion region in magnetic reconnection, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Zenitani, S.,** Shinohara, I., Nagai, T., Wada, T.: 2014, The secrets of the ion diffusion region in collisionless magnetic reconnection, European Geosciences Union General Assembly 2014, (Vienna, Austria, Apr. 27-May 2, 2014).
- Zenitani, S.,** Shinohara, I., Nagai, T., **Wada, T.:** 2014, Magnetic diffusion and ion nonlinear dynamics in magnetic reconnection, US-Japan Workshop on Magnetic Reconnection (MR 2014), (Tokyo, Japan, May 20-24, 2014).
- Zenitani, S.,** Shinohara, I., Nagai, T., **Wada, T.:** 2014, Kinetic Aspects of the Ion Current Layer in a Reconnection Outflow Exhaust, AOGS 11th Annual Meeting (AOGS2014), (Sapporo, Japan, Jul. 28-Aug. 1, 2014).
- Zenitani, S.:** 2014, A new picture of the central engine of kinetic magnetic reconnection, 6th East-Asian Numerical Astrophysics Meeting (EANAM6), (Kyung Hee U., Suwon, Korea, Sep. 15-19, 2014).
- Zenitani, S.:** 2014, Magnetic reconnection as a showcase of compressible fluid dynamics, 6th East-Asian Numerical Astrophysics Meeting (EANAM6), (Kyung Hee U., Suwon, Korea, Sep. 15-19, 2014).
- Zenitani, S.:** 2014, Some thoughts on asymmetric reconnection, GEM mini workshop 2014, (San Francisco, USA, Dec. 14, 2014).
- Zenitani, S.:** 2014, Low-beta MHD reconnection as a showcase of compressible fluid dynamics, AGU Fall Meeting 2014, (San Francisco, CA, USA, Dec. 15-19, 2014).