

理論研究部 欧文査読付き論文リスト

2015/H27年度 平成27年(2015年)4月1日から平成28年(2016年)3月31日までに出版・発表されたもの

注 ※1 当該組織の研究者が主導的に作成した論文や実際に講演を行った発表等には「*」

※2 著者に台内の若手研究者が含まれる論文には分かる範囲で「*」

※3 著者に台内の女性研究者が含まれている論文には分かる範囲で「*」

※4 著者に外国機関に所属している研究者が含まれている論文には分かる範囲で「*」

※1	著者	出版年	論文名	雑誌名	巻	ページもしくはID	※2	※3	※4	DOI
	Akiyama, E; Hasegawa, Y; Hayashi, M; Iguchi, S	2016	PLANETARY SYSTEM FORMATION IN THE PROTOPLANETARY DISK AROUND HL TAURI	ASTROPHYSICAL JOURNAL	818	158				10.3847/0004-637X/818/2/158
	Akiyama, E., Muto T., Kusakabe, N., Kataoka, A., et al.:	2015	Discovery of a Disk Gap Candidate at 20 AU in TW Hydrae	ASTROPHYSICAL JOURNAL LETTERS	802	17				10.1088/2041-8205/802/2/L17
	Aso, Y; Ohashi, N; Saigo, K; Koyamatsu, S; Aikawa, Y; Hayashi, M; Machida, MN; Saito, M; Takakuwa, S; Tomida, K; Tomisaka, K; Yen, HW	2015	ALMA OBSERVATIONS OF THE TRANSITION FROM INFALL MOTION TO KEPLERIAN ROTATION AROUND THE LATE-PHASE PROTOSTAR TMC-1A	ASTROPHYSICAL JOURNAL	812	27				10.1088/0004-637X/812/1/27
	Chen, YG; Fujimoto, K; Xiao, CJ; Ji, HT	2015	Plasma waves around separatrix in collisionless magnetic reconnection with weak guide field	JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS	120	6309-6319				10.1002/2015JA021267
	Cheoun, M. K., K. S. Kim, H. Kim, W. Y. So, T. Maruyama, and Kajino, T.:	2015	In-medium effect on the muon-neutrino and anti-muon-neutrino quasi-elastic scattering off a nucleon in 12C.	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	42	45102				10.1088/0954-3899/42/4/045102
*	Fujii, MS; Portegies Zwart, S	2015	The initial mass function of star clusters that form in turbulent molecular clouds	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	449	726-740	*	*	*	10.1093/mnras/stv293
*	Fujii, MS	2015	Formation of young massive clusters from turbulent molecular clouds	Publications of the Astronomical Society of Japan	67	5910	*	*		10.1093/pasj/psu137
*	Fujii, MS; Portegies Zwart, S	2016	THE FORMATION AND DYNAMICAL EVOLUTION OF YOUNG STAR CLUSTERS	ASTROPHYSICAL JOURNAL	817	4	*	*	*	10.3847/0004-637X/817/1/4
	Fujimoto K; Takamoto M	2016	Ion and electron dynamics generating the Hall current in the exhaust far downstream of the reconnection x-line	Physics of Plasmas,	23	12903				
	Fukui, Yasuo; Harada, Ryohei; Tokuda, Kazuki; et al. including Kawamura, Akiko; Saigo, Kazuya; Minamidani, Tetsuhiro; Inoue, Tsuyoshi	2015	High-mass Star Formation Triggered by Collision between CO Filaments in N159 West in the Large Magellanic Cloud	ASTROPHYSICAL JOURNAL LETTERS	807	L4				10.1088/2041-8205/807/1/L4
	Genda, H; Kobayashi, H; Kokubo, E	2015	WARM DEBRIS DISKS PRODUCED BY GIANT IMPACTS DURING TERRESTRIAL PLANET FORMATION	ASTROPHYSICAL JOURNAL	810	136				10.1088/0004-637X/810/2/136
	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	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	447	3044-3059				10.1093/mnras/stu2679
	Hagino, K; Scamps, G	2015	Enhancement factor for two-neutron transfer reactions with a schematic coupled-channels model	PHYSICAL REVIEW C	92	64602				10.1103/PhysRevC.92.064602
	Hagino, K; Yao, JM	2015	Semimicroscopic modeling of heavy-ion fusion reactions with multireference covariant density functional theory	PHYSICAL REVIEW C	91	64606				10.1103/PhysRevC.91.064606
	Hagino, K; Sagawa, H	2016	Are There Good Probes for the Di-Neutron Correlation in Light Neutron-Rich Nuclei?	FEW-BODY SYSTEMS	57	185-193				10.1007/s00601-015-1027-3
	Hagino, K; Sagawa, H	2016	Decay dynamics of the unbound O-25 and O-26 nuclei	PHYSICAL REVIEW C	93	34330				10.1103/PhysRevC.93.034330
	Hamana, T; Sakurai, J; Koike, M; Miller, L	2015	Cosmological constraints from Subaru weak lensing cluster counts	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	67	34				10.1093/pasj/psv034
	Hanawa, T., and Tomisaka, K.:	2015	Structure and Stability of Filamentary Clouds Supported by Lateral Magnetic Field	ASTROPHYSICAL JOURNAL	801	11				10.1088/0004-637X/801/1/11
	Hasegawa, Y; Takeuchi, T	2015	VISCOUS INSTABILITY TRIGGERED BY LAYERED ACCRETION IN PROTOPLANETARY DISKS	ASTROPHYSICAL JOURNAL	815	99				10.1088/0004-637X/815/2/99
	Hasegawa, Y.; Wakita, S.; Matsumoto, Y.; Oshino, S.	2016	Chondrule Formation via Impact Jetting Triggered by Planetary Accretion	ASTROPHYSICAL JOURNAL	816	8				10.3847/0004-637X/816/1/8
	Hasegawa, Y.*; Turner, N. J.; Masiero, J.; Wakita, S.*; Matsumoto, Y.*; Oshino, S.*	2016	Forming Chondrites in a Solar Nebula with Magnetically induced Turbulence	ASTROPHYSICAL JOURNAL LETTERS	820	L12				10.3847/2041-8205/820/1/L12
*	Hashizume, K.; Ohsuga, K.; Kawashima, T.; Tanaka, M.	2015	Radiation hydrodynamics simulations of wide-angle outflows from super-critical accretion disks around black holes	Publications of the Astronomical Society of Japan	67	58				10.1093/pasj/psu132
	Haungs, A; et al. including Kajino, F; Mizumoto, Y; Watanabe, J(80機関)	2015	Calibration aspects of the JEM-EUSO mission	EXPERIMENTAL ASTRONOMY	40	91-116				10.1007/s10686-015-9453-2
	Hayama, Kazuhiro; Kuroda, Takami; Kotake, Kei; Takiwaki, Tomoya	2015	Coherent network analysis of gravitational waves from three-dimensional core-collapse supernova models	Physical Review D	92	122001	*		*	10.1103/PhysRevD.92.122001
	Hesse, M., Aunai, N., Birn, J., Cassak, P., Denton, R., Drake, J. F., Gombosi, T., Hoshino, M., Matthaeus, W., Sibeck, D., and Zenitani, S.	2016	Theory and Modeling for the Magnetospheric Multiscale Mission	Space Sci. Rev.	199	577		*		10.1007/s11214-014-0078-y
	Hirashita, H; Nozawa, T; Villaume, A; Srinivasan, S	2015	Dust processing in elliptical galaxies	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	454	1620-1633				10.1093/mnras/stv2095
	Higuchi, A; Kokubo, E	2015	EFFECT OF STELLAR ENCOUNTERS ON COMET CLOUD FORMATION	ASTRONOMICAL JOURNAL	150	26				10.1088/0004-6256/150/1/26
	Hirai, Y; Ishimaru, Y; Saitoh, TR; Fujii, MS; Hidaka, J; Kajino, T	2015	ENRICHMENT OF r-PROCESS ELEMENTS IN DWARF SPHEROIDAL GALAXIES IN CHEMO-DYNAMICAL EVOLUTION MODEL	ASTROPHYSICAL JOURNAL	814	41				10.1088/0004-637X/814/1/41

JEM-EUSO Collaboration (Fenu, F) including Kajino, T ; Mizumoto, Y; Watanabe, J; (82機関)	2015	Performances of JEM-EUSO: angular reconstruction (vol 30, pg 153, 2015)	EXPERIMENTAL ASTRONOMY	40	179-181				10.1007/s10686-014-9420-3
JEM-EUSO Collaboration (Fenu, F) including Kajino, T ; Mizumoto, Y; Watanabe, J; (85機関)	2015	Performances of JEM-EUSO: energy and X (max) reconstruction	EXPERIMENTAL ASTRONOMY	40	183-214				10.1007/s10686-014-9427-9
JEM-EUSO Collaboration (Slominska, K) including Kajino, T ; Mizumoto, Y; Watanabe, J; (82機関)	2015	Science of atmospheric phenomena with JEM-EUSO	EXPERIMENTAL ASTRONOMY	40	239-251				10.1007/s10686-014-9431-0
JEM-EUSO Collaboration (Panasyuk, MI) including Kajino, T ; Mizumoto, Y; Watanabe, J; (81機関)	2015	Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO	EXPERIMENTAL ASTRONOMY	40	315-326				10.1007/s10686-015-9465-y
JEM-EUSO Collaboration (Toscano, S) including Kajino, T ; Mizumoto, Y; Watanabe, J; (83機関)	2015	The atmospheric monitoring system of the JEM-EUSO instrument	EXPERIMENTAL ASTRONOMY	40	45-60				10.1007/s10686-014-9378-1
JEM-EUSO Collaboration (von Ballmoos, P) including Kajino, T ; Mizumoto, Y; Watanabe, J; (82機関)	2015	The EUSO-Balloon pathfinder	EXPERIMENTAL ASTRONOMY	40	281-299				10.1007/s10686-015-9467-9
JEM-EUSO Collaboration (de los Rios, JAM) including Kajino, T ; Mizumoto, Y; Watanabe, J; (81機関)	2015	The infrared camera onboard JEM-EUSO	EXPERIMENTAL ASTRONOMY	40	61-89				10.1007/s10686-014-9402-5
JEM-EUSO Collaboration (Santangelo, A) including Kajino, T ; Mizumoto, Y; Watanabe, J; (81機関)	2015	The JEM-EUSO mission: An introduction	EXPERIMENTAL ASTRONOMY	40	3-17				10.1007/s10686-015-9482-x
JEM-EUSO Collaboration (Guzman, A) including Kajino, T ; Mizumoto, Y; (79機関)	2015	The JEM-EUSO observation in cloudy conditions	EXPERIMENTAL ASTRONOMY	40	135-152				10.1007/s10686-014-9377-2
JEM-EUSO Collaboration (Supanitsky, AD) including Kajino, T ; Mizumoto, Y; Watanabe, J; (84機関)	2015	Ultra high energy photons and neutrinos with JEM-EUSO (vol 40, pg 215, 2015)	EXPERIMENTAL ASTRONOMY	40	235-237				10.1007/s10686-015-9470-1
Jiao, C.-L.; Mineshige, S.; Takeuchi, S.; Ohnusa, K.	2015	Comparison between Radiation-Hydrodynamic Simulation of Supercritical Accretion Flows and a Steady Model with Outflows	Astrophysical Journal	806	93				10.1088/0004-637X/806/1/93
Kataoka, A ; Muto, T; Momose, M; Tsukagoshi, T; Dullemond, CP	2016	GRAIN SIZE CONSTRAINTS ON HL TAU WITH POLARIZATION SIGNATURE	ASTROPHYSICAL JOURNAL	820	54				10.3847/0004-637X/820/1/54
Katsuda, S., Mori, K., Maeda, K. Tanaka, M. , Koyama, K., Tsunemi, H., Nakajima, H., Maeda, Y., Ozaki, M., Petre, R.	2015	Kepler's Supernova: An Overluminous Type Ia Event Interacting with a Massive Circumstellar Medium at a Very Late Phase	Astrophysical Journal	808	49	*		*	10.1088/0004-637X/808/1/49
Kaur, G; Behera, BR; Jhingan, A; Sugathan, P; Hagino, K	2015	Influence of vibrational excitation on surface diffuseness of the internuclear potential: Study through heavy-ion quasielastic scattering at deep sub-barrier energies	PHYSICAL REVIEW C	92					10.1103/PhysRevC.92.044609
Kuroda, Takami; Takiwaki, Tomoya; Kotake, Kei	2016	A New Multi-energy Neutrino Radiation-Hydrodynamics Code in Full General Relativity and Its Application to the Gravitational Collapse of Massive Stars	The Astrophysical Journal Supplement Series	222	20	*		*	10.3847/0067-0049/222/2/20
Liu, H. B.; Galvan-Madrid, R.; Vorobyov, E. I.; Kospal, A.; Rodriguez, L. F.; Dunham, M. M.; Hirano, N.; Henning, T.; Takami, M.; Dong, R.; Hashimoto, J.*; Hasegawa, Y.* ; Carrasco-Gonzalez, C.	2016	Absence of Significant Cold Disks in Young Stellar Objects Exhibiting Repetitive Optical Outbursts	ASTROPHYSICAL JOURNAL LETTERS	816	L29				10.3847/2041-8205/816/2/L29
Lorusso, G; Nishimura, S; Xu, ZY; Jungclaus, A; Shimizu, Y; Simpson, GS; Soderstrom, PA; Watanabe, H; Browne, F; Doornenbal, P; Gey, G; Jung, HS; Meyer, B; Sumikama, T; Taprogge, J; Vajta, Z; Wu, J; Baba, H; Benzoni, G; Chae, KY; Crespi, FCL; Fukuda, N; Gernhauser, R; Inabe, N; Isobe, T; Kajino, T ; Kameda, D; Kim, GD; Kim, YK; Kojouharov, I; Kondev, FG; Kubo, T; Kurz, N; Kwon, YK; Lane, GJ; Li, Z; Montaner-Piza, A; Moschner, K; Naqvi, F; Niikura, M; Nishibata, H; Odahara, A; Orlandi, R; Patel, Z; Podolyak, Z; Sakurai, H; Schaffner, H; Schury, P; Shibagaki, S; Steiger, K; Suzuki, H; Takeda, H; Wendt, A; Yagi, A; Yoshinaga, K	2015	beta-Decay Half-Lives of 110 Neutron-Rich Nuclei across the N=82 Shell Gap: Implications for the Mechanism and Universality of the Astrophysical r Process	PHYSICAL REVIEW LETTERS	114	192501				10.1103/PhysRevLett.114.192501
Maeda, K; Nozawa, T ; Nagao, T; Motohara, K	2015	Constraining the amount of circumstellar matter and dust around Type Ia supernovae through near-infrared echoes	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	452	3281-3292				10.1093/mnras/stv1498
Maeda, K., Tajitsu, A., Kawabata, K. S., Foley, R., Honda, S., Moritani, Y., Tanaka, M. , Hashimoto, O., Ishigaki, M., Simon, J.D., Phillips, M. M., Yamanaka, M., Nogami, D., Arai, A., Aoki, W., Nomoto, K., Milisavljevic, D., Mazzali, P. A., Soderberg, A. M., Schramm, M., Sato, B., Harakawa, H., Morrell, N., Arimoto N.	2015	Sodium Absorption Systems towards SN Ia 2014J Originate on Interstellar Scales	Astrophysical Journal	816	57	*		*	10.3847/0004-637X/816/2/57

Maeda, K., Hattori, T., Milisavljevic, D., Folatelli, G., Drouot, M. R., Kuncarayakti, H., Margutti, R., Kamble, A., Soderberg, A., Tanaka, M. , Kawabata, M., Kawabata, K. S., Yamanaka, M., Nomoto, K., Kim, J. H., Simon, J. D., Phillips, M. M., Parrent, J., Nakaoka, T., Moriya, T. J., Suzuki, A., Takaki, K., Ishigaki, M., Sakon, I., Tajitsu, A., & Iye, M.	2015	Type IIb Supernova 2013df Entering Into An Interaction Phase: A Link between the Progenitor and the Mass Loss	Astrophysical Journal	807	35	*		*	10.1088/0004-637X/807/1/35
Maruyama, T; Cheoun, MK; Kajino, T ; Kwon, Y; Mathews, GJ; Ryu, CY	2015	Quantum field theoretic treatment of pion production via proton synchrotron radiation in strong magnetic fields: Effects of Landau levels	PHYSICAL REVIEW D	91	123007				10.1103/PhysRevD.91.123007
Mathews, GJ; Gangopadhyay, MR; Garnavich, P; Rose, B; Ichiki, K; Kajino, T ; Yamazaki, D	2015	Constraints on the birth of the universe and origin of cosmic dark flow	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	30	1545022				10.1142/S0217751X15450220
Mathews, GJ; Suh, IS; Lan, NQ; Kajino, T	2015	Constraints on preinflation fluctuations in a nearly flat open Λ CDM cosmology	PHYSICAL REVIEW D	92	123514				10.1103/PhysRevD.92.123514
Mathews, GJ;Gangopadhyay, MR; Ichiki, K; Kajino, T	2015	Possible evidence for Planck-scale resonant particle production during inflation from the CMB power spectrum	PHYSICAL REVIEW D	92	123519				10.1103/PhysRevD.92.123519
Mei, H; Hagino, K ; Yao, JM	2016	Generator coordinate method for hypernuclear spectroscopy with a covariant density functional	PHYSICAL REVIEW C	93	11301				10.1103/PhysRevC.93.011301
* Michikoshi, S. ; Fujii, A.; Kokubo, E. ; Salo, H.	2015	Dynamics of Self-gravity Wakes in Dense Planetary Rings. I. Pitch Angle	Astrophysical Journal	812	151				10.1088/0004-637X/812/2/151
Nagai, T; Shinohara, I; Zenitani, S	2015	The dawn-dusk length of the X line in the near-Earth magnetotail: Geotail survey in 1994-2014	JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS	120	8762-8773				10.1002/2015JA021606
Nakamura, K; Kajino, T ; Mathews, GJ; Sato, S; Harikae, S	2015	r-process nucleosynthesis in the MHD plus neutrino-heated collapsar jet	ASTRONOMY & ASTROPHYSICS	582	A34				10.1051/0004-6361/201526110
Nakamura, Ko; Takiwaki, Tomoya ; Kuroda, Takami; Kotake, Kei	2015	Systematic features of axisymmetric neutrino-driven core-collapse supernova models in multiple progenitors	Publications of the Astronomical Society of Japan	67	10716	*		*	10.1093/pasj/psv073
Nakamura, F ; Ogawa, H; Yonekura, Y; Kimura, K; Okada, N; Kozu, M; Hasegawa, Y; Tokuda, K; Ochiai, T; Mizuno, I; Dobashi, K; Shimoikura, T; Kamenno, S; Taniguchi, K; Shinnaga, H; Takano, S; Kawabe, R; Nakajima, T; Iono, D; Kuno, N; Onishi, T; Momose, M; Yamamoto, S	2015	Z45: A new 45-GHz band dual-polarization HEMT receiver for the NRO 45-m radio telescope	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	67	117				10.1093/pasj/psv088
Nishimura, Nobuya; Takiwaki, Tomoya ; Thielemann, Friedrich-Karl	2015	The r-process Nucleosynthesis in the Various Jet-like Explosions of Magnetorotational Core-collapse Supernovae	The Astrophysical Journal	810	109	*		*	10.1088/0004-637X/810/2/109
Nomura, M.; Ohsuga, K. ; Takahashi, H. R.; Wada, K.;	2016	Radiation hydrodynamic simulations of line-driven disk winds for ultra-fast outflows	Publications of the Astronomical Society of	68	16				10.1093/pasj/psv124
Nozawa, T ; Asano, RS; Hirashita, H; Takeuchi, TT	2015	Evolution of grain size distribution in high-redshift dusty quasars: integrating large amounts of dust and unusual extinction curves	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	447	L16-L20				10.1093/mnras/slu175
* Ohsuga, K. ; Takahashi, H. R.	2016	A Numerical Scheme for Special Relativistic Radiation Magnetohydrodynamics Based on Solving the Time-dependent Radiative Transfer Equation	Astrophysical Journal	818	162				10.3847/0004-637X/818/2/162
Okamoto, T; Isoe, M ; Habe, A	2015	Cosmic evolution of bars in simulations of galaxy formation	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	67	63				10.1093/pasj/psv037
Roh, S; Inutsuka, S; Inoue, T	2016	Diffusion of cosmic rays in a multiphase interstellar medium swept-up by a supernova remnant blast wave	ASTROPARTICLE PHYSICS	73	1-7				10.1016/j.astropartphys.2015.06.001
Rowley, N; Hagino, K	2015	Examination of fusion cross sections and fusion oscillations with a generalized Wong formula	PHYSICAL REVIEW C	91	44617				10.1103/PhysRevC.91.044617
Sagawa, H; Hagino, K	2015	Theoretical models for exotic nuclei	EUROPEAN PHYSICAL JOURNAL A	51	102				10.1140/epja/i2015-15102-4
Sakon, I; Sako, S; Onaka, T; Nozawa, T ; Kimura, Y; Fujiyoshi, T; Shimonishi, T; Usui, F; Takahashi, H; Ohsawa, R; Arai, A; Uemura, M; Nagayama, T; Koo, BC; Kozasa, T	2016	CONCURRENT FORMATION OF CARBON AND SILICATE DUST IN NOVA V1280 SCO	ASTROPHYSICAL JOURNAL	817	145				10.3847/0004-637X/817/2/145
Sano, H; Fukuda, T; Yoshiike, S; Sato, J; Horachi, H; Kuwahara, T; Torii, K; Hayakawa, T; Tanaka, T; Matsumoto, H; Inoue, T ; Yamazaki, R; Inutsuka, S; Kawamura, A; Yamamoto, H; Okuda, T; Tachihara, K; Mizuno, N; Onishi, T; Mizuno, A; Acero, F; Fukui, Y	2015	A DETAILED STUDY OF NON-THERMAL X-RAY PROPERTIES AND INTERSTELLAR GAS TOWARD THE gamma-RAY SUPERNOVA REMNANT RX J1713.7-3946	ASTROPHYSICAL JOURNAL	799	175				10.1088/0004-637X/799/2/175
Sato, Bun'ei; Wang, Liang; Liu, Yu-Juan; Zhao, Gang; Omiya, Masashi; Harakawa, Hiroki; Nagasawa, Makiko; Wittenmyer, Robert A.; Butler, Paul; Song, Nan; He, Wei; Zhao, Fei; Kambe, Eiji; Noguchi, Kunio; Ando, Hiroyasu; Izumiura, Hideyuki; Okada, Norio; Yoshida, Michitoshi; Takeda, Yoichi; Itoh, Yoichi; Kokubo, Eiichiro ; Ida, Shigeru	2016	A Pair of Giant Planets around the Evolved Intermediate-mass Star HD 47366: Multiple Circular Orbits or a Mutually Retrograde Configuration	Astrophysical Journal	819	59			*	10.3847/0004-637X/819/1/59
Scamps, G; Hagino, K	2015	Coupled-channels description of multinucleon transfer and fusion reactions at energies near and far below the Coulomb barrier	PHYSICAL REVIEW C	92	54614				10.1103/PhysRevC.92.054614
Shibagaki, S ; Kajino, T ; Mathews, GJ; Chiba, S; Nishimura, S; Lorusso, G	2016	RELATIVE CONTRIBUTIONS OF THE WEAK, MAIN, AND FISSION-RECYCLING r-PROCESS	ASTROPHYSICAL JOURNAL	816	79				10.3847/0004-637X/816/2/79

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	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	217	7				10.1088/0067-0049/217/1/7
Shimoikura, T; Dobashi, K; Nakamura, F. ; Hara, C; Tanaka, T; Shimajiri, Y; Sugitani, K; Kawabe, R	2015	DENSE CLUMPS AND CANDIDATES FOR MOLECULAR OUTFLOWS IN W40	ASTROPHYSICAL JOURNAL	806	201				10.1088/0004-637X/806/2/201
Shirasaki, M. ; Horiuchi, S; Yoshida, N	2015	Cross-correlation of the extragalactic gamma-ray background with luminous red galaxies	PHYSICAL REVIEW D	92	123540				10.1103/PhysRevD.92.123540
Shirasaki, M. ; Hamana, T; Yoshida, N	2015	Probing cosmology with weak lensing selected clusters - I. Halo approach and all-sky simulations	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	453	3043-3067				10.1093/mnras/stv1854
* Sotani, H.	2015	Magnetized relativistic stellar models in Eddington-inspired Born-Infeld gravity	PHYSICAL REVIEW D	91	84020				10.1103/PhysRevD.91.084020
* Sotani, H. , Miyamoto, U.	2015	Strong gravitational lensing by an electrically charged black hole in Eddington-inspired Born-Infeld gravity	PHYSICAL REVIEW D	92	44052				10.1103/PhysRevD.92.044052
* Sotani, H.	2015	Torsional oscillations of neutron stars with highly tangled magnetic fields	PHYSICAL REVIEW D	92	104024				10.1103/PhysRevD.92.104024
* Sotani, H.	2016	Empirical formula of crustal torsional oscillations	PHYSICAL REVIEW D	93					10.1103/PhysRevD.93.044059
* Sotani, H. ; Iida, K; Oyamatsu, K	2016	Possible identifications of newly observed magnetar quasi-periodic oscillations as crustal shear modes	NEW ASTRONOMY	43	80-86				10.1016/j.newast.2015.08.003
Suwa, Yudai; Yamada, Shoichi; Takiwaki, Tomoya; Kotake, Kei	2016	The Criterion of Supernova Explosion Revisited: The Mass Accretion History	The Astrophysical Journal	816	43	*	*		10.3847/0004-637X/816/1/43
* Takahashi, H. R.; Ohsga, K.	2015	Radiation drag effects in black hole outflows from super-critical accretion disks via special relativistic radiation magnetohydrodynamics simulations	Publications of the Astronomical Society of Japan	67	60				10.1093/pasj/psu145
Takamoto, M; Inoue, T. ; Lazarian, A	2015	TURBULENT RECONNECTION IN RELATIVISTIC PLASMAS AND EFFECTS OF COMPRESSIBILITY	ASTROPHYSICAL JOURNAL	815	16				10.1088/0004-637X/815/1/16
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