

1 英文論文(査読あり)

対象:平成21年4月から平成22年3月まで 2009年4月~2010年3月

※1「*」・・・理論研究部所属の研究者が主導的に作成した論文

| ※1 | 著者(※2) | 出版年 | 論文名 | 雑誌名(※3) | 巻 | ページ |
|----|--|------|---|--------------------------------|-----|-----------|
| 1 | Abbott, B. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Observation of a kilogram-scale oscillator near its quantum ground state | New Journal of Physics | 11 | 073032 |
| 2 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | LIGO: the Laser Interferometer Gravitational-Wave Observatory | Reports on Progress in Physics | 72 | 076901 |
| 3 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data | Physical Review D | 79 | 122001 |
| 4 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run | Physical Review D | 80 | 047101 |
| 5 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Einstein@Home search for periodic gravitational waves in early S5 LIGO data | Physical Review D | 80 | 042003 |
| 6 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | First LIGO search for gravitational wave bursts from cosmic (super)strings | Physical Review D | 80 | 062002 |
| 7 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data | Physical Review D | 80 | 062001 |
| 8 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run | Physical Review D | 80 | 102002 |
| 9 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | Search for gravitational-wave bursts in the first year of the fifth LIGO science run | Physical Review D | 80 | 102001 |
| 10 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | An upper limit on the stochastic gravitational-wave background of cosmological origin | Nature | 460 | 990 |
| 11 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2009 | STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM | ApJ | 701 | L68 |
| 12 | Abbott, B.P. et al. including Hayama, K., Kawamura, S., Morioka, T., Nishizawa, A., Sakata, S., Sato, S. | 2010 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA | ApJ | 713 | 671 |
| 13 | Amaro-Seoane, P., Sesana, A., Hoffman, L., Benacquista, M., Eichhorn, C., Makino, J., Spurzem, Rainer | 2010 | Triplets of supermassive black holes: astrophysics, gravitational waves and detection | MNRAS | 402 | 2308-2320 |
| 14 | Ando, M. et al. | 2010 | DECIGO and DECIGO pathfinder | Classical and Quantum Gravity | 27 | 084010 |

| | | | | | | |
|----|---|------|-------------------|----------------------------------|----|-------|
| 15 | Ando, M., Kawamura, S., Sato, S., Nakamura, T., Tsubono, K., Araya, A., Funaki, I., Ioka, K., Kanda, N., Moriwaki, S., Musha, M., Nakazawa, K., Numata, K., Sakai, S., Seto, N., Takashima, T., Tanaka, T., Agatsuma, K., Aoyanagi, K., Arai, K., Asada, H., Aso, Y., Chiba, T., Ebisuzaki, T., Ejiri, Y., Enoki, M., Eriguchi, Y., Fujimoto, M., Fujita, R., Fukushima, M., Futamase, T., Ganzu, K., Harada, T., Hashimoto, T., Hayama, K., Hikida, W., Himemoto, Y., Hirabayashi, H., Hiramatsu, T., Hong, F., Horisawa, H., Hosokawa, M., Ichiki, K., Ikegami, T., Inoue, K.T., Ishidoshiro, K., Ishihara, H., Ishikawa, T., Ishizaki, H., Ito, H., Itoh, Y., Kawashima, N., Kawazoe, F., Kishimoto, N., Kiuchi, K., Kobayashi, S., Kohri, K., Koizumi, H., Kojima, Y., Kokeyama, K., Kokuyama, W., Kotake, K. , Kozai, Y., Kudoh, H., Kunimori, H., Kuninaka, H., Kuroda, K., Maeda, K.-i., Matsuhara, H., Mino, Y., Miyakawa, O., Miyoki, S., Morimoto, M.Y., Morioka, T., Morisawa, T., Mukohyama, S., Nagano, S., Naito, I., Nakamura, K., | 2009 | DECIGO pathfinder | Classical and Quantum Gravity | 26 | 94019 |
|----|---|------|-------------------|----------------------------------|----|-------|

| | | | | | | | |
|----|---|--|------|---|--------------------|-----------------|-----------|
| 16 | * | Baba, J., Asaki, Y., Makino, J., Miyoshi, M., Saitoh, T.R., Wada, K. | 2009 | The Origin of Large Peculiar Motions of Star-Forming Regions and Spiral Structures of Our Galaxy | ApJ | 706 | 471-481 |
| 17 | | Cheoun, M. K., Ha, E., Kim, K. M., and Kajino, T. | 2010 | Neutrino reactions via neutral and charged current by quasi-particle random phase approximation (QRPA) | Journal of Physics | G37 | 55101 |
| 18 | | Cheoun, M. K., Ha, E., Lee, S. Y., Kim, K. M., So, W. Y., and Kajino, T. | 2010 | Neutrino reactions on C12 by the quasiparticle random-phase approximation | Physical Review | C81 | 28501 |
| 19 | * | Fujii, M., Iwasawa, M., Funato, Y., & Makino, J. | 2009 | Trojan Stars in the Galactic Center | ApJ | 695 | 1421-1429 |
| 20 | * | Hamana, T., Miyazaki, S., Kashikawa, N., Ellis, R. S., Massey, R. J., Refregier, A., Taylor, J. | 2009 | Subaru Weak-Lensing Survey II: Multi-Object Spectroscopy and Cluster Masses | PASJ | 61 | 833 |
| 21 | | Hanawa, T., Yasuhiro Ochi, & Koichi Ando, | 2010 | Gas Accretion from a Circumbinary Disk, | Astrophysical J | Vol. 708, No. 1 | 485-497 |
| 22 | | Harikae, Seiji, Takiwaki, Tomoya, Kotake, Kei | 2009 | Long-Term Evolution of Slowly Rotating Collapsar in Special Relativistic Magnetohydrodynamics | ApJ | 704 | 354-371 |
| 23 | | Hasegawa, K., Umemura, M., & Susa, H. | 2009 | Radiative Regulation of Population III Star Formation | MNRAS | 395 | 1280-1286 |
| 24 | | Hashimoto, S., Ogata, K., Chiba, S., and Yahiro, M. | 2009 | New Approach for Evaluating Incomplete and Complete Fusion Cross Sections with Continuum-Discretized Coupled-Channels Method | Prog. Theo. Phys. | 122 | 1291-1300 |
| 25 | | Hashimoto, T. et al. with Kajino, T. | 2009 | A new measurement of the astrophysical Li8(d,t)Li7 reaction | Physics Letters | B674 | 276-280 |
| 26 | | Hayakawa, T., Shizuma, T., Chiba, S., Kajino, T., Hatsukawa, Y., Iwamoto, N., Shinohara, N., and Harada, H. | 2009 | Neutron capture cross-section to Cd113 isomer and s-process contribution to rare p-nuclide Sn115 | Astrophys. J. | 707 | 859-865 |
| 27 | | Hayakawa, T., Shizuma, T., Kajino, T., Ogawa, K., and Nakada, N. | 2009 | Reply to Comment on La138-Ce138-Ce136 nuclear cosmochronometer of supernova neutrino process | Physical Review | C79 | 59802 |
| 28 | | Hirashita, H., Omukai, K. | 2009 | Dust coagulation in star formation with different metallicities | MNRAS | 399 | 1795-1801 |
| 29 | * | Hosokawa, T., Omukai, K. | 2009 | Low-Metallicity Protostars and the Maximum Stellar Mass Resulting from Radiative Feedback: Spherically Symmetric Calculations | ApJ | 703 | 1810-1818 |
| 30 | | Ilian Iliev et al. | 2009 | Cosmological radiative transfer comparison project - II. The radiation-hydrodynamic tests | MANRAS | 400 | 1283-1316 |
| 31 | * | Ishiyama, T., Fukushige, T., Makino, J. | 2009 | GreeM: Massively Parallel TreePM Code for Large Cosmological N-body Simulations | PASJ | 61 | 1319-1330 |
| 32 | * | Ishiyama, T., Fukushige, T., Makino, J. | 2009 | Variation of the Subhalo Abundance in Dark Matter Halos | ApJ | 696 | 2115-2125 |
| 33 | * | Ishiyama, T., Fukushige, T., Makino, J. | 2009 | GreeM : Massively Parallel TreePM Code for Large Cosmological N-body Simulations | PASJ | 61 | 1319 |
| 34 | | Iwakami, W., Kotake, K., Ohnishi, N., Yamada, S., Sawada, K. | 2009 | Spiral mode of standing accretion shock instability in core-collapse supernovae | ApJ | 700 | 232-242 |
| 35 | | Iwakami, W., Ohnishi, N., Kotake, K., Yamada, S., Sawada, K. | 2009 | Spiral mode of standing accretion shock instability in core-collapse supernovae | Ap& SS | 322 | 43-47 |

| | | | | | | |
|----|--|------|---|--|----------|-----------|
| 36 | Kajino, T. , Kojima, K., Yamazaki, D., Ichiki, K., and Mathews, G. J. | 2010 | An alternative to inflation? Critical role of neutrino anisotropic stress in CMB | Progress in Particle and Nuclear Physics | 64 | 378-380 |
| 37 | Kato, Y., Umemura, M., Ohsuga, K. | 2009 | Three-dimensional Radiative Properties of Hot Accretion Flows onto the Galactic Centre Black Hole | MNRAS | 400 | 1742-1748 |
| 38 | * Kawagoe, S., Takiwaki, T., Kotake, K. | 2009 | Neutrino oscillations in magnetically driven supernova explosions | Journal of Cosmology and Astroparticle Physics | 9 | 33 |
| 39 | * Kawakatu, N., Kino, M., Nagai, H. | 2009 | On the Origin of Fanaroff-Riley Classification of Radio Galaxies: Deceleration of Supersonic Radio Lobes | ApJ | 697 | 173-176 |
| 40 | * Kawakatu, N., Wada, K. | 2009 | Formation of High-redshift ($z > 6$) Quasars Driven by Nuclear Starbursts | ApJ | 706 | 676-686 |
| 41 | Kawanomoto, S., Aoki, W., Kajino, T. , and Mathews, G. J. | 2009 | The interstellar rubidium isotope ratio toward HD169454 | Astrophys. J. | 698 | 509-513 |
| 42 | Kawanomoto, S., Suzuki, T. K., Kajino, T. , Ando, H., Bessell, M., Noguchi, K., Aoki, W., Honda, S., Izumiura, H., Kambe, E., Okita, K., Sadakane, K., Sato, B., Tajitsu, A., Takada-Hidai, M., Tanaka, W., Watanabe, E., and Yoshida, M. | 2009 | First Observation of Li7/Li6 Isotopic Ratio in the Interstellar Media beyond the Solar Neighborhood | Astrophys. J. | 701 | 1506-1518 |
| 43 | Kawashima, T., Ohsuga, K. , Mineshige, S., Heinzeller, D., Takabe, H., Matsumoto, R. | 2009 | New Spectral State of Supercritical Accretion Flow with Comptonizing Outflow | PASJ | 61 | 769-776 |
| 44 | * Kino, M., Kawakatu, N., Nagai, H. | 2009 | New prediction of extragalactic GeV gamma-ray emission from radio lobes of young AGN jets | MNRAS | 210 | 43-47 |
| 45 | * Kiuchi, K., Sekiguchi, Y. , Shibata, M., Taniguchi, K. | 2009 | Long-term general relativistic simulation of binary neutron stars collapsing to a black hole | Physical Review D | 80 | 064037 |
| 46 | Kiuchi, K. Kotake, K. , Yoshida, S. | 2009 | Equilibrium Configurations of Relativistic Stars with Purely Toroidal Magnetic Fields: Effects of Realistic Equations of State | ApJ | 698 | 541-557 |
| 47 | Kobayashi, M.A.R., Totani, T. & Nagashima, M. | 2010 | Lyman Alpha Emitters in Hierarchical Galaxy Formation II. UV Continuum Luminosity Function and Equivalent Width Distribution | Astrophys. J. | 708 | 1119-1134 |
| 48 | Kojima, K., Kajino, T. , and Mathews, G. J. | 2010 | Growth of Cosmological Perturbation by Extra Anisotropic Stress | Journal of Cosmology and Astroparticle Physics | 2 (2010) | 18 |
| 49 | * Kokeyama, K., Sato, S., Nishizawa, A., Kawamura, S. , Chen, Y., Sugamoto, A. | 2009 | Development of a Displacement- and Frequency-Noise-Free Interferometer in a 3D Configuration for Gravitational Wave Detection | Physical Review Letters | 103 | 171101 |
| 50 | * Kotake, K. , Iwakami, W., Ohnishi, N., Yamada, S. | 2009 | Ray-Tracing Analysis of Anisotropic Neutrino Radiation for Estimating Gravitational Waves in Core-Collapse Supernova | ApJ | 704 | 951-963 |
| 51 | * Kotake, K. , Iwakami, W., Ohnishi, N., Yamada, S. | 2009 | Stochastic Nature of Gravitational Waves from Supernova Explosions with Standing Accretion Shock Instability | ApJL | 697 | L133-L136 |
| 52 | Kuinieda, S., Chiba, S. , Shibata, K., Ichihara, A., Iwamoto, O., Iwamoto, N., Fukahori, T. and Soukhovitski, E. Sh. | 2009 | An Extensive Study of the Soft-rotator Model Hamiltonian Parameters for Medium and Heavy Even-even Nuclei | J. Nucl. Sci. Technol. | 46 | 914-924 |
| 53 | Kuroda, K. and the LCGT Collaboration | 2010 | Status of LCGT | Classical and Quantum Gravity | 27 | 084004 |
| 54 | Kusakabe, M., Kajino, T. , Yoshida, T., and Mathews, G. J. | 2009 | Effect of Long-lived Strongly Interacting Relic Particles on Big-Bang Nucleosynthesis | Physical Review | D80 | 103501 |
| 55 | Kusakabe, M., Kajino, T. , Yoshida, T., Shima, T., Nagai, Y., and Kii, T. | 2009 | New Constraints on Radiative Decay of Long-Lived X Particles in Big Bang Nucleosynthesis with New Rates of Photodisintegration Reactions of He4 | Physical Review | C79 | ,23513 |
| 56 | Lee, J.-Y., Hahn, Insik, Kim, Y., Hong, S-W., Chiba, S. and Soukhovitskii, E. Sh. | 2009 | Optical potentials for nuclear level structures and nucleon interactions data of tin isotopes based on the soft-rotator model | Phys. Rev. | C 79 | 064612 |
| 57 | * Machida, M. N. , Inutsuka, S., Matsumoto, T., | 2009 | The Circumbinary Outflow: A Protostellar Outflow Driven by a Circumbinary Disk | ApJ | 704 | 10-14 |

| | | | | | | | |
|----|---|---|------|---|--|----------------------|-----------|
| 58 | * | Machida, M. N. , Inutsuka, S., Matsumoto, T., | 2009 | First Direct Simulation of Brown Dwarf Formation in a Compact Cloud Core | ApJ | 699 | 157-160 |
| 59 | * | Machida, M. N., Omukai, K. , Matsumoto, T. | 2009 | Star Formation in Relic H II Regions of the First Stars: Binarity and Outflow Driving | ApJ | 705 | 64-67 |
| 60 | * | Machida, M. N., Omukai, K. , Matsumoto, T., Inutsuka, S.-i. | 2009 | Binary formation with different metallicities: dependence on initial conditions | MNRAS | 399 | 1255-1263 |
| 61 | | Machida, M., Matsumoto, R., Nozawa, S., Takahashi, K., Fukui, Y., Kudo, N., and Tomisaka, K. | 2009 | Formation of Galactic Center Magnetic Loops | Publ. Astron. Soc. Japan | 61 | 411-420 |
| 62 | | Mayama, S., Tamura, M., Hanawa, T. , Matsumoto T., Ishii, M., Pyo, T- S., Suto, H., Naoi, T., Kudo, T., Hashimoto, J., Nishiyama S., Kuzuhara, M. & Hayashi, M. | 2010 | Direct Imaging of Bridged Twin Protoplanetary Disks in a Young Multiple Star, | Science | Vol. 327, No.5973 | 306-308 |
| 63 | * | Michikoshi, S. , Kokubo, E. , Inutsuka, S. | 2009 | N-Body Simulation of Planetesimal Formation through Gravitational Instability and Coagulation. II. Accretion Model | ApJ | 703 | 1363-1373 |
| 64 | | Minato, F., Chiba, S. and Hagino, K. | 2009 | Fission of heavy Λ hypernuclei with the Skyrme-Hartree-Fock approach | Nucl. Phys. | A 831 | 150-162 |
| 65 | * | Nagakura, T., Hosokawa, T. , Omukai, K. | 2009 | Star formation triggered by supernova explosions in young galaxies | MNRAS | 399 | 2183-2194 |
| 66 | * | Nakamura, K. | 2009 | Perturbations of Matter Fields in the Second-order Gauge-invariant Cosmological Perturbation Theory | Physical Review D | 80 | 124021 |
| 67 | * | Nakamura, K. | 2009 | Consistency of Equations in the Second-order Gauge-invariant Cosmological Perturbation Theory | Progress of Theoretical Physics | 121 | 1321 |
| 68 | * | Nishizawa, A. , Taruya, A., Hayama, K., Kawamura, S., Sakagami, M. | 2009 | Probing nontensorial polarizations of stochastic gravitational-wave backgrounds with ground-based laser interferometers | Physical Review D | 79 | 082002 |
| 69 | * | Ohsluga, K. , Mineshige, S., Mori, M., Kato, Y. | 2009 | Global Radiation-Magnetohydrodynamic Simulations of Black Hole Accretion Flow and Outflow: Unified Model of Three States | PASJ Letters | 61 | 7-11 |
| 70 | | Okoshi, K., Nagashima, M. , Gouda, N., & Minowa, Y. | 2010 | H I-Selected Galaxies as a Probe of Quasar Absorption Systems | Astrophys. J. | 710 | 1295-1309 |
| 71 | | Ono, M.; Hashimoto, M.; Fujimoto, S.; Kotake, K. ; Yamada, S. | 2009 | Explosive Nucleosynthesis in Magnetohydrodynamical Jets from Collapsars | PTP | 122 | 755-777 |
| 72 | | Portegies Zwart, S., Ishiyama, T. , Groen, D., Nitadori, K., Makino, J. , de Laat, C., McMillan, S., Hiraki, K., Harfst, S., Grosso, P. | 2010 | Simulating the Universe on an Intercontinental Grid of Supercomputers | IEEE Computer | | |
| 73 | * | Saitoh, T. R., Makino, J. | 2009 | A Necessary Condition for Individual Time Steps in SPH Simulations | The Astrophysical Journal Letters | 697 | L99-L102 |
| 74 | * | Saitoh, T.R. , Daisaka, H., Kokubo, E., Makino, J. , Okamoto, T., Tomisaka, K., Wada, K. , Yoshida, N. | 2009 | Toward First-Principle Simulations of Galaxy Formation: II. Shock-Induced Starburst at a Collision Interface during the First Encounter of Interacting Galaxies | PASJ | 61 | 481-486 |
| 75 | * | Sakata, S., Miyakawa, O., Nishizawa, A. , Ishizaki, H., Kawamura, S. | 2010 | Measurement of angular antispring effect in optical cavity by radiation pressure | Physical Review D | 81 | 064023 |
| 76 | | Sakuma, M. & Susa, H. | 2009 | Feedback Effects of First Supernovae on the Neighboring Dark Matter Halos | APJ | 698 | 155-162 |
| 77 | | Sato, S. et al. | 2009 | DECIGO : The Japanese space gravitational wave antenna | Journal of Physics: Conference Series | 154 | 012040 |

| | | | | | | |
|----|--|------|--|---------------------------------------|-----|------------|
| 78 | Sato, S., Kawamura, S., Ando, M., Nakamura, T., Tsubono, K., Araya, A., Funaki, I., Ioka, K., Kanda, N., Moriwaki, S., Musha, M., Akazawa, K., Numata, K., Sakai, S., Seto, N., Takashima, T., Tanaka, T., Agatsuma, K., Aoyanagi, K., Arai, K., Asada, H., Aso, Y., Chiba, T., Ebisuzaki, T., Ejiri, Y., Enoki, M., Eriguchi, Y., Fujimoto, M., Fujita, R., Fukushima, M., Futamase, T., Ganzu, K., Harada, T., Hashimoto, T., Hayama, K., Hikida, W., Himemoto, Y., Hirabayashi, H., Hiramatsu, T., Hong, F., Horisawa, H., Hosokawa, M., Ichiki, K., Ikegami, T., Inoue, K.T., Ishidoshiro, K., Ishihara, H., Ishikawa, T., Ishizaki, H., Ito, H., Itoh, Y., Kawashima, N., Kawazoe, F., Kishimoto, N., Kiuchi, K., Kobayashi, S., Kohri, K., Koizumi, H., Kojima, Y., Kokeyama, K., Kokuyama, W., Kotake, K. , Kozai, Y., Kudoh, H., Schneider, R., Omukai, K. | 2009 | DECIGO : The Japanese space gravitational wave antenna | Journal of Physics: Conference Series | 154 | 12040 |
| 79 | | 2010 | Metals, dust and the cosmic microwave background: fragmentation of high-redshift star-forming clouds | MNRAS | 403 | 429-435 |
| 80 | Susa, H. , Hasegawa, K. & Umemura, M. | 2009 | Formation Criteria and the Mass of Secondary Population III Stars | APJ | 702 | 480-488 |
| 81 | Suzuki, T., Honma, H., Higashiyama, K., Yoshida, T., Kajino, T. , Otsuka, T., Umeda, H., and Nomoto, K. | 2009 | Neutrino-Induced Reactions on Fe56 and Ni56 and Production of Mn55 in Population III Stars | Physical Review | C79 | 061603 (R) |
| 82 | Takeuchi, S., Mineshige, S., Ohsuga, K. | 2009 | Modified Slim-Disk Model Based on Radiation-Hydrodynamic Simulation Data: The Conflict Between Outflow and Photon Trapping | PASJ | 61 | 783-790 |
| 83 | * Tomida, K., Tomisaka, K., Matsumoto, T., Ohsuga, K., Masahiro, M. N., Saigo, K. | 2010 | Radiation Magnetohydrodynamics Simulation of Proto-stellar Collapse: Two-component Molecular Outflow | ApJ Letters | 714 | L58-L63 |
| 84 | * Tomida, K., Tomisaka, K., Matsumoto, T., Ohsuga, K., Machida, M. N., Saigo, K. | 2010 | Radiation Magnetohydrodynamics Simulation of Proto-stellar Collapse: Two-component Molecular Outflow | ApJ Letters | 714 | 58-63 |
| 85 | Tsuyoshi Inoue, Shu-ichiro Inutsuka | 2009 | Two-fluid MHD Simulations of Converging HI Flows in the Interstellar Medium. II: Are Molecular Clouds Generated Directly From Warm Neutral Medium? | ApJ | 704 | 161-169 |
| 86 | * Wada, K. , Papadopoulos, P.P., Spaans, M. | 2009 | Molecular Gas Disk Structures Around Active Galactic Nuclei | ApJ | 702 | 63 - 74 |
| 87 | Watabe, Y., Kawakatu, N., Imanishi, M. , Takeuchi, T. T. | 2009 | Supermassive Black Hole Mass Regulated by Host Galaxy Morphology | MNRAS | 400 | 1803-1807 |
| 88 | Yamada, M., Machida, M. N. , Inutsuka, S., Tomisaka, K. | 2009 | Emission from a Young Protostellar Object. I. Signatures of Young Embedded Outflows | ApJ | 703 | 1141-1158 |
| 89 | Yamazaki, D. G., Ichiki, K., Kajino, T. , and Mathews, G. J. | 2010 | New constraint on the Primordial Magnetic Field, | Physical Review | D81 | 23008 |
| 90 | * Yasutake, N. , Maruyama, T., Tatsumi, T. | 2009 | Hot hadron-quark mixed Phase transition including hyperons | Phys. Rev. D | 80 | 123009 |
| 91 | * Yasutake, N. , Kiuchi, K., Kotake, K. | 2010 | Relativistic hybrid stars with super-strong toroidal magnetic fields: an evolutionary track with QCD phase transition | MNRAS | 401 | 2101-2112 |
| 92 | Yoshida, T., Takamura, A., Kimura, K., Yokomakura, H., Kawagoe, S., Kajino, T. | 2009 | Resonant spin-flavor conversion of supernova neutrinos: Dependence on electron mole fraction | Physical Review D | 80 | 12 |