

APPENDIX 6. List of Publications II (Journals, etc.)

- (1) Akaki K., Mase A., Kogi Y., Uchino K., Nagayama Y., Kawahata K., Yamaguchi S., Inagaki S., Kim K.
Study of Dual-Dipole Antenna Array for Millimeter Wave Imaging
Infrared, Millimeter, and Terahertz Waves, 2009. IRMMW-THz 2009. 34th International Conference on (2009) 1-2
- (2) Akiyama T., Kawahata K., Okajima S., Nakayama K.
Conceptual Design of a Dispersion Interferometer Using a Ratio of Modulation Amplitudes
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1041-1-S1041-5
- (3) Akiyama T., Kawahata K., Okajima S., Nakayama K.
Performance evaluation of short-wavelength FIR laser polarimeter with dual silicon photoelastic modulators
Plasma Devices and Operations Vol. 17 No. 2 (2009) 117-125
- (4) Arakawa H., Kamataki K., Inagaki S., Maruta T., Nagashima Y., Yamada T., Shinohara S., Terasaka K., Sugita S., Yagi M., Kasuya N., Fujisawa A., Itoh S.-I., Itoh K.
Observations of abrupt changes in the fluctuation spectrum on LMD-U
Plasma Physics and Controlled Fusion Vol. 51 No. 8 (2009) 085001-1 -12
- (5) Asakura Y., Tanaka M., Uda T., Ogawa H., Takami S., Oya Y., Okuno K., Fukada S.
Design of Gaseous Tritium Recovery System Applying Commercially Available Membrane-Type Dehumidifier
Journal of Nuclear Science and Technology Vol. 46 No. 6 (2009) 641-647
- (6) Azechi H., Mima K., Fujimoto Y., Fujioka S., Homma H., Isobe M., Iwamoto A., Jitsuno T., Johzaki T., Kodama R., Koga M., Kondo K., Kawanaka J., Mito T., Miyanaga N., Motojima O., Murakami M., Nagatomo H., Nagai K., Nakai M., Nakamura H., Nakamura T., Nakazato T., Nakao Y., Nishihara K., Nishimura H., Norimatsu T., Ozaki T., Sakagami H., Sakawa Y., Sarukura N., Shigemori K., Shimizu T., Shiraga H., Sunahara A., Taguchi T., Tanaka K., Tsubakimoto K.
Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project
Nuclear Fusion Vol. 49 No. 10 (2009) 104024-1 -6
- (7) Bansho K., Ogura K., Oe H., Kazahari Y., Iizuka H., Sugawara A., Shimozuma T., Kobayashi S., Okada K.
Experimental Study of Slow Cyclotron Maser Operation in Weakly Relativistic Region
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1049-1-S1049-6
- (8) Burhenn R., Feng Y., Ida K., Maassberg H., McCarthy K., Kalinina D., Kobayashi M., Morita S., Nakamura Y., Nozato H., Okamura S., Sudo S., Suzuki C., Tamura N., Weller A., Yoshinuma M., Zurro B.
On Impurity Handling in High Performance Stellarator/Heliotron Plasmas
Nuclear Fusion Vol. 49 No. 6 (2009) 065005-1 -8
- (9) Chowdhuri M., Morita S., Kobayashi M., Goto M., Zhou H., Masuzaki S., Morisaki T., Narihara K., Yamada I., Feng Y.
Experimental study of impurity screening in the edge ergodic layer of the Large Helical Device using carbon emissions of CIII to CVI
Physics of Plasmas Vol. 16 No. 6 (2009) 062502-1 -15
- (10) Dong C., Morita S., Goto M., Zhou H.
Space-resolved extreme ultraviolet spectrometer for impurity emission profile measurement in Large Helical Device
Review of Scientific Instruments Vol. 81 No. 3 (2010) 033107-1 -9
- (11) Ejiri A., Takase Y., Oosako T., Yamaguchi T., Adachi Y., Watanabe O., Nagashima Y., An B., Kobayashi H., Kurashina H., Hayashi H., Matsuzawa H., Yamada K., Tojo H., Masuda T., Sasaki M., Kumazawa R., Kasahara H., Shimpo F.
Non-inductive plasma current start-up by EC and RF power in the TST-2 spherical tokamak
Nuclear Fusion Vol. 49 No. 6 (2009) 065010-1 -12
- (12) Fujii K., Mizushiri K., Nishioka T., Shikama T., Iwamae A., Goto M., Morita S., Kado S., Sawada K., Hasuo M.
Development of multiwavelength-range fine-resolution spectrometer for hydrogen emissions and its application to large helical device periphery plasmas
Review of Scientific Instruments Vol. 81 No. 3 (2010) 033106-1 -4
- (13) Fujisawa A.
Experimental Confinement Studies Beyond ITER
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1005-1-S1005-7
- (14) Fujiwara S., Hashimoto M., Itoh T.
Molecular dynamics simulations for structure formation of polymers and self-assembly of amphiphilic molecules
Japanese Journal of Polymer Science and Technology Vol. 66 No. 10 (2009) 396-405

- (15) Fujiwara S., Itoh T., Hashimoto M., Horiuchi R.
Molecular dynamics simulation of amphiphilic molecules in solution: Micelle formation and dynamic coexistence
The Journal of Chemical Physics Vol. 130 No. 14 (2009) 144901-1 -8
- (16) Goncharov P.
Practical Calculation of Nuclear Fusion Power for a Toroidal Plasma Device with Magnetic Confinement
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1028-1-S1028-7
- (17) Goto K., Taniguchi A., Takeno H., Yasaka Y.
Analysis of Behavior of Charged Particles in Cusp Type Direct Energy Converter for Advanced Fusion
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1501-1504
- (18) Goto M., Morita S.
Simultaneous measurement of electron and ion temperatures with helium-like argon x-ray spectrum
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1040-1-S1040-5
- (19) Goto T., Someya Y., Ogawa Y., Hiwatari R., Asaoka Y., Okano K., Sunahara A., Johzaki T.
Conceptual design of fast-ignition laser fusion reactor FALCON-D
Nuclear Fusion Vol. 49 No. 7 (2009) 075006-1 -8
- (20) Hamaguchi S., Okamura T., Imagawa S., Obana T., Yanagi N., Oba K., Moriuchi S., Sekiguchi H., Mito T.
Operation and Control of Cold Compressors in Subcooling System for LHD Helical Coils
Journal of the Korea Institute of Applied Superconductivity and Cryogenics (2009) 811-816
- (21) Harahap C., Miura H.
Numerical Computation of Flows with Moving Boundaries Using an Immersed Interface Method
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 914-919
- (22) Hayashi N., Takizuka T., Aiba N., Oyama N., Ozeki T., Wiesen S., Parail V.
Integrated Simulation of ELM Energy Loss and Cycle in Improved H-mode Plasmas
Nuclear Fusion Vol. 49 No. 9 (2009) 095015-1 -8
- (23) Hojo H., Mase A.
Electromagnetic-Wave Transmittance Characteristics in One-Dimensional Plasma Photonic Crystal
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 477-479
- (24) Ichiguchi K., Carreras B.
Multi-Scale MHD Simulation Incorporating Pressure Transport Equation for LHD Plasma
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1171-1175
- (25) Ida K., Sakamoto Y., Yoshinuma M., Takenaga H., Nagaoka K., Oyama N., Osakabe M., Yokoyama M., Funaba H., Tamura N., Tanaka K., Takeiri Y., Ikeda K., Tsumori K., Oka Y., Kaneko O., Itoh K., Inagaki S., Kobuchi T., Isayama A., Suzuki T., Fujita T., Matsunaga G., Shinohara K., Koide Y., Yoshida M., Ide S., Kamada Y.
Dynamics of ion internal transport barrier in LHD heliotron and JT-60U tokamak plasmas
Nuclear Fusion Vol. 49 No. 9 (2009) 095024-1 -9
- (26) Ida K., Yoshinuma M., Osakabe M., Nagaoka K., Yokoyama M., Funaba H., Suzuki C., Ido T., Shimizu A., Murakami I., Tamura N., Kasahara H., Takeiri Y., Ikeda K., Tsumori K., Kaneko O., Morita S., Goto M., Tanaka K., Narihara K., Minami T., Yamada I.
Observation of an impurity hole in a plasma with an ion internal transport barrier in the Large Helical Device
Physics of Plasmas Vol. 16 No. 5 (2009) 056111-1 -9
- (27) Igami H., Yoshimura Y., Kubo S., Shimozuma T., Takahashi H., Tanaka H., Nagasaki K., Inagaki S., Muto T., Komori A., LHD experimental group
Electron Bernstein wave heating via the slow X-B mode conversion process with direct launching from the high field side in LHD
Nuclear Fusion Vol. 49 No. 11 (2009) 115005-1 -11
- (28) Ignatenko M., Tanaka M.
Effective permittivity and permeability of coated metal powders at microwave frequency
Physica B: Condensed Matter Vol. 405 No. 1 (2010) 352-358
- (29) Ignatenko M., Tanaka M., Sato M.
Absorption of Microwave Energy by a Spherical Nonmagnetic Metal Particle
Japanese Journal of Applied Physics Vol. 48 No. 6 (2009) 067001-1 -6

- (30) Ikeda K., Nagaoka K., Takeiri Y., Osakabe M., Tsumori K., Kaneko O.
Recent Progress of Neutral Beam Injector and Beam Emission Diagnosis in LHD
Plasma Science and Technology Vol. 11 No. 4 (2009) 452-455
- (31) Ikeda K., Osakabe M., Whiteford A., Ida K., Kaneko O., Kato D., Morita S., Nagaoka K., Takeiri Y., Tsumori K., Yokoyama M., Yoshinuma M., LHD experiment group
Optical Observation of Neutral Beam Attenuation in Hydrogen Discharge at LHD
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 987-990
- (32) Imagawa S., Takahata K., Tamura H., Yanagi N., Mito T., Obana T., Sagara A.
Concept of Magnet Systems for LHD-type Reactor
Nuclear Fusion Vol. 49 No. 7 (2009) 075017-1 -7
- (33) Ishizawa A., Nakajima N.
Thermal transport due to turbulence including magnetic fluctuation in externally heated plasma
Nuclear Fusion Vol. 49 No. 5 (2009) 055015-1 -9
- (34) Isobe M., Funaki D., Sasao M.
Lorentz Alpha Orbit Calculation in Search of Position Suitable for Escaping Alpha Particle Diagnostics in ITER
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 330-333
- (35) Isobe M., Liu Y., Yang J., Wei C., Ji X., Yuan G., Zhang Y., Zou G., Li W., Lei G., Ding X., Yan L., Yang Q., Duan X., Ohdachi S., Morita S., Toi K.
Beam Ion Transport from Neutron Emissivity Measurement in Deuterium Neutral Beam-Heated Deuterium Plasmas of the HL-2A Tokamak
Chinese Physics Letters Vol. 26 No. 10 (2009) 105201-1 -4
- (36) Ito A., Nakamura H.
Energy Current on Multi-body Potential with Dirac Delta Function
Progress of Theoretical Physics Supplement Vol. 178 No.178 (2009) 107-112
- (37) Ito A., Wang Y., Irle S., Morokuma K., Nakamura H.
Molecular dynamics simulation of hydrogen atom sputtering on the surface of graphite with defect and edge
Journal of Nuclear Materials Vol. 390-391 (2009) 183-187
- (38) Ito T., Toi K., Matsunaga G., Isobe M., Akiyama T., Minami T., Nagaoka K.
Possibility of excitation of Alfvén eigenmodes by energetic ions near the plasma edge in the Compact Helical System
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1108-1111
- (39) Ito T., Toi K., Matsunaga G., Isobe M., Nagaoka K., Takeuchi M., Akiyama T., Matsuoka K., Minami T., Nishimura S., Okamura S., Shimizu A., Suzuki C., Yoshimura Y., Takahashi C.
Excitation of stable Alfvén eigenmodes by application of alternating magnetic field perturbations in the Compact Helical System
Physics of Plasmas Vol. 16 No. 9 (2009) 092105-1 -13
- (40) Itoh K., Itoh S.-I., Yagi M., Fukuyama A.
Seesaw Mechanism in Turbulence-Suppression by Zonal Flows
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 119-121
- (41) Itoh S.-I.
Structure Formation in Turbulent Plasmas
Plasma and Fusion Research Vol. 4 (2009) 038-1-038-12
- (42) Itoh S.-I., Itoh K.
Kinetic Description of Nonlinear Plasma Turbulence
Journal of the Physical Society of Japan Vol. 78 No. 12 (2009) 124502-1 -10
- (43) Iwashita S., Miyata H., Koga K., Shiratani M., Ashikawa N., Nishimura K., Sagara A., the LHD experimental group
A Comparison of Dust Particles Produced due to Interaction between Graphite and Plasmas: LHD vs Helicon Discharges
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 308-311
- (44) Jung Y., Kato D.
Effects of magnetic field and temperature on the nonrelativistic bremsstrahlung process in magnetized anisotropic plasmas
Physics Letters A Vol. 373 No. 22 (2009) 1959-1961
- (45) Jung Y., Kato D.
Effects of turbulence on the elastic electron-ion collision in turbulent plasmas
Physics Letters A Vol. 373 No. 27-28 (2009) 2351-2354

- (46) Jung Y., Kato D.
Plasmon and spin interference effects on electron collisions in hot quantum plasmas
Plasma Physics and Controlled Fusion Vol. 51 No. 6 (2009) 065008-1 -6
- (47) Jung Y., Murakami I.
Effects of electron temperature and density on ion-dust bremsstrahlung spectrum in dusty plasmas
Japanese Journal of Applied Physics Vol. 105 No. 10 (2009) 106106-1 -3
- (48) Kajimura Y., Usui H., Nunami M., Funaki I., Shinohara I., Nakashima H.
Numerical Study of Inflation of a Dipolar Magnetic Field in Space by Plasma Jet Injection
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1616-1621
- (49) Kamataki K., Itoh K., Itoh S.-I., Fujisawa A., Inagaki S., Nagashima Y., Yagi M., Yamada T.
Statistical Analysis Technique for Estimation of Causal Relationship in Plasma Turbulence
Journal of the Physical Society of Japan Vol. 79 No. 2 (2010) 024501-1 -5
- (50) Kaneko O., Yokoyama M., Yoshinuma M., Nagaoka K., Ida K., Sakamoto R., Akiyama T., Ashikawa N., Chikaraishi H., Emoto M., Funaba H., Goncharov P., Goto M., Goto T., Hamaguchi S., Ichiguchi K., Ido T., Igami H., Ikeda K., Imagawa S., Isobe M., Itoh K., Iwamoto A., Kanno R., Kasahara H., Kasuya N., Kato D., Kawahata K., Kobayashi M., Kubo S., Kumazawa R., Maekawa R., Masuzaki S., Mito T., Miyazawa J., Mizuguchi N., Morisaki T., Morita S., Motojima G., Muto S., Muto T., Nagayama Y., Nakajima N., Nakamura Y., Nakanishi H., Narihara K., Narushima Y., Nishimura K., Nishiura M., Obana T., Ohdachi S., Ohyabu N., Osakabe M., Ozaki T., Peterson B., Sagara A., Saito K., Sakakibara S., Satake S., Sato K., Seki T., Shimizu A., Shimoizuma T., Shoji M., Sudo S., Sugama H., Suzuki C., Suzuki Y., Takahashi H., Takahata K., Takeiri Y., Tamura H., Tamura N., Tanaka K., Toda S., Toi K., Tokitani M., Tokuzawa T., Tsumori K., Watanabe K., Yamada I., Yamada H., Yamagishi O., Yanagi N., Yoshimura S., Yoshimura Y., Komori A.
Extension of Improved Particle and Energy Confinement Regime in the Core of LHD Plasma
Plasma and Fusion Research Vol. 4 (2009) 027-1-027-9
- (51) Kashimura K., Nagata K.
The Oxygen Partial Pressure on the Surface of Na₂O-SiO₂ Molten Glass Heated by Thermal Plasma of Ar
Materials Transactions JIM Vol. 50 No. 6 (2009) 1346-1350
- (52) Kasuya N., Yagi M., Itoh K., Itoh S.-I.
Analyses of Nonlinear Coupling for Turbulent Structural Formation in Magnetized Cylindrical Plasmas
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 77-81
- (53) Katayama K., Uchida Y., Fujiki T., Nishikawa M., Fukada S., Ashikawa N., Uda T.
Hydrogen release from deposition layers formed from 316 stainless steel by hydrogen plasma sputtering
Journal of Nuclear Materials Vol. 390-391 (2009) 689-692
- (54) Kato D., Iwakiri H., Morishita K.
First-principle Study on Binding Energy of Vacancy-Hydrogen Cluster in Tungsten
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 404-407
- (55) Kato D., Kenmotsu T., Ohya K., Tanabe T.
Excited state distribution of reflected hydrogen atoms at metal surfaces - Development of theoretical models
Journal of Nuclear Materials Vol. 390-391 (2009) 498-501
- (56) Kato D., Sakaue H.A., Murakami I., Kato T., Nakamura N., Ohtani S., Yamamoto N., Watanabe T.
Electron-impact excitation of 2p⁵3l → 2p⁵3l' line emission of Fe XVII
Journal of Physics: Conference Series Vol. 163 No. 1 (2009) 012076-1 -4
- (57) Kato T., Funaba H., Sato K., Goto M., Peterson B., Murakami I., Kato D., Yamamoto N.
Behavior of carbon impurity ions in radiation collapse in the Large Helical Device
Journal of Physics: Conference Series Vol. 163 No. 1 (2009) 012101-1 -4
- (58) Kavanagh A., Watanabe H., Li Y., ORourke B., Tobiyama H., Nakamura N., McMahon S., Yamada C., Ohtani S., Currell F.
Dielectronic recombination in He-like, Li-like, and Be-like highly charged ions in the KLL and KLM manifolds
Physical Review A Vol. 81 No. 2 (2010) 022712-1 -7
- (59) Kawagoe A., Sumiyoshi F., Fukushima Y., Wakabayashi Y., Mito T., Yanagi N., Takahashi M., Okada M.
Critical Currents and AC Losses in MgB₂ Multifilamentary Tapes With 6 Twisted Filaments
IEEE Transactions on Applied Superconductivity Vol. 19 No. 3-3 (2009) 2686-2689
- (60) Kawamura G., Fukuyama A., Tomita Y.
Kinetic analysis of ion incident angle distribution on a plasma-facing wall
Journal of Nuclear Materials Vol. 390-391 (2009) 172-174

- (61) Kawamura G., Tomita Y., Kobayashi M., Tskhakaya D.
1D fluid model of plasma profiles in the LHD divertor leg
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 455-459
- (62) Kawamura G., Tomita Y., Kobayashi M., Tskhakaya D.
1D modeling of LHD divertor plasma and hydrogen recycling
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1020-1-S1020-6
- (63) Kawano T.
Radiation Sources Fabricated from Kelp Powder for Educational Purposes
Japanese Journal of Radiation Safety Management Vol. 8 No. 1 (2009) 1-7
- (64) Kobayashi M., Feng Y., Morita S., Chowdhuri M., Goto M., Masuzaki S., Ohyabu N., Morisaki T., Yamada H., Yamada I., Narihara K., Sato K., Funaba H., Tamura N., Nakamura Y., Komori A., Motojima O., The LHD experimental group
Model prediction of impurity retention in stochastic magnetic boundary and comparison with edge carbon emission in LHD
Journal of Nuclear Materials Vol. 390-391 (2009) 325-329
- (65) Kobayashi M., Feng Y., Morita S., Masuzaki S., Chowdhuri M., Ezumi N., Kobayashi T., Yamada H., Morisaki T., Ohyabu N., Goto M., Yamada I., Narihara K., Komori A., Motojima O.
Contributed Paper: Impact of three-dimensional magnetic structure on transport characteristics in high density divertor
Journal of Plasma and Fusion Research Vol. 85 No. 6 (2009) 393-402
- (66) Koga K., Iwashita S., Kiridoshi S., Shiratani M., Ashikawa N., Nishimura K., Sagara A., Komori A.
Characterization of Dust Particles Ranging in Size from 1 nm to 10 μ m Collected in LHD
Plasma and Fusion Research Vol. 4 (2009) 034-1-034-4
- (67) Komori A., Yamada H., Sakakibara S., Kaneko O., Kawahata K., Muto T., Ohyabu N., Imagawa S., Ida K., Nagayama Y., Shimozuma T., Watanabe K.Y., Mito T., Kobayashi M., Nagaoka K., Sakamoto R., Yoshida N., Ohdachi S., Ashikawa N., Feng Y., Fukuda T., Igami H., Inagaki S., Kasahara H., Kubo S., Kumazawa R., Mitarai O., Murakami S., Nakamura Y., Nishiura M., Hino T., Masuzaki S., Tanaka K., Toi K., Weller A., Yoshinuma M., Narushima Y., Ohno N., Okamura T., Tamura N., Saito K., Seki T., Sudo S., Tanaka H., Tokuzawa T., Yanagi N., Yokoyama M., Yoshimura Y., Akiyama T., Chikaraishi H., Chowdhuri M., Emoto M., Ezumi N., Funaba H., Garcia L., Goncharov P., Goto M., Ichiguchi K., Ichimura M., Idei H., Ido T., Iio S., Ikeda K., Irie M., Isayama A., Ishigooka T., Isobe M., Ito T., Itoh K., Iwamae A., Hamaguchi S., Hamajima T., Kitajima S., Kado S., Kato D., Kato T., Kobayashi S., Kondo K., Masamune S., Matsumoto Y., Matsunami N., Minami T., Michael C., Miura H., Miyazawa J., Mizuguchi N., Morisaki T., Morita S., Motojima G., Murakami I., Muto S., Nagasaki K., Nakajima N., Nakamura Y., Nakanishi H., Nakano H., Narihara K., Nishimura A., Nishimura H., Nishimura K., Nishimura S., Nishino N., Notake T., Obana T., Ogawa K., Oka Y., Ohishi T., Okada H., Okuno K., Ono K., Osakabe M., Osako T., Ozaki T., Peterson B., Sakaue H., Sasao M., Satake S., Sato K., Sato M., Shimizu A., Shiratani M., Shoji M., Sugama H., Suzuki C., Suzuki Y., Takahata K., Takahashi H., Takase Y., Takeiri Y., Takenaga H., Toda S., Todo Y., Tokitani M., Tsuchiya H., Tsumori K., Urano H., Veshchev E., Watanabe F., Watanabe T., Watanabe T.H., Yamada I., Yamada S., Yamagishi O., Yamaguchi S., Yoshimura S., Yoshinaga, T., Motojima O.
Development of Net-Current Free Heliotron Plasmas in the Large Helical Device
Nuclear Fusion Vol. 49 No. 10 (2009) 104015-1 -8
- (68) Kotoh K., Tanaka M., Sakamoto T., Takashima S., Asakura Y., Uda T., Sugiyama T.
Overshooting Breakthrough Curves Formed in Pressure Swing Adsorption Process for Hydrogen Isotope Separation
Fusion Science and Technology Vol. 56 No. 1 (2009) 173-178
- (69) Kotoh K., Tanaka M., Sakamoto T., Takashima S., Asakura Y., Uda T., Sugiyama T.
Multi-Component Behavior of Hydrogen Isotopes in Zeolite Packed-Beds Used for Cryogenic Pressure Swing Adsorption
Fusion Science and Technology Vol. 56 No. 1 (2009) 184-189
- (70) Kozaki Y., Imagawa S., Sagara A.
Design windows and cost analysis on a helical reactor
Nuclear Fusion Vol. 49 No. 11 (2009) 115011-1 -8
- (71) Kubo S., Nishiura M., Tanaka K., Shimozuma T., Tatematsu Y., Notake T., Saito T., Yoshimura Y., Igami H., Takahashi H., Tamura N.
Collective Thomson Scattering Study using Gyrotron in LHD
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1038-1-S1038-5
- (72) Li Y., Nagasaka T., Muroga T.
Creep Properties and Microstructure of JLF-1 and CLAM Steels Aged at 823 to 973 K
Fusion Science and Technology Vol. 56 No. 1 (2009) 323-327
- (73) Li Y., Nagasaka T., Muroga T.
Long-Term Thermal Stability of Reduced Activation Ferritic/Martensitic Steels as Structural Materials of Fusion Blanket
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1036-1-S1036-5

- (74) Maki K., Tanaka T.
Subjects in Radiation Shielding to Ascertain Realizing Fusion Commercial Reactors
IEEJ Transactions on Fundamentals and Materials Vol. 129 No. 9 (2009) 595-604
- (75) Mase A., Kogi Y., Ito N., Yokota Y., Akaki K., Kawahata K., Nagayama Y., Tokuzawa T., Yamaguchi S., Hojo H., Oyama N., Luhmann N., Park H., Donne A.
Advancements of microwave diagnostics in magnetically confined plasmas
Plasma Devices and Operations Vol. 17 No. 2 (2009) 98-116
- (76) Masuzaki S., Kobayashi M., Morisaki T., Ohyabu N., Komori A., Feng Y.
Investigation on the influence of plasma properties and SOL transport on the particle flux profiles on divertor plates in the Large Helical Device
Journal of Nuclear Materials Vol. 390-391 (2009) 286-289
- (77) Matsumoto J., Masada Y., Asano E., Shibata K.
Two-dimensional numerical study for relativistic outflow from strongly magnetized neutron stars
Proceedings of the International Astronomical Union Vol. 4 No. S259 (2009) 139-140
- (78) Matsunami N., Ohno N., Tokitani M.
Deuterium retention in tungsten oxide under low energy D2+ plasma exposure
Journal of Nuclear Materials Vol. 390-391 (2009) 693-695
- (79) Matsuura H., Nakano K., Hosaka K., Nagaoka K., Muto T., Okada H., Kobayashi S., Mizuuchi T., Kondo K., Sano F.
Measurement of Edge Plasma Heat Flux in Heliotron J Using a Thermal Probe
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1045-1-S1045-5
- (80) Matsuura H., Nakano K., Nishimura S., Shoji M., Suzuki C., Okamura S.
3D Monte Carlo simulation for H-alpha Spectra observed in Compact Helical Systems
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 450-454
- (81) Minami T., Okamura S., Suzuki C., Matsuo K., Ohishi T., Akiyama T., Ida K., Isobe M., Nakano H., Fujisawa A., Nagaoka K., Yoshinuma M., Yoshimura Y., Toi K., Ohshima S., Takeuchi M., Iguchi H., Nishimura S., Shimizu A., Matsuoka K., Takahashi C.
Simultaneous realization of a high density edge transport barrier and an improved L-mode on CHS
Nuclear Fusion Vol. 49 No. 8 (2009) 085018-1 -7
- (82) Mito T., Chikaraishi H., Kawagoe A., Maekawa R., Abe R., Baba T., Okumura K., Kuge A., Iwakuma M., Sumiyoshi F.
Summary of a 1 MJ Conduction-Cooled LTS Pulse Coil Developed for 1 MW, 1 s UPS-SMES
IEEE Transactions on Applied Superconductivity Vol. 19 No. 3-2 (2009) 1999-2003
- (83) Mito T., Hemmi T.
Design Study of an Indirect Cooling Superconducting Magnet for a Fusion Device
IEEJ Transactions on Fundamentals and Materials Vol. 129 No. 9 (2009) 609-613
- (84) Miura H., Hori D.
Hall effects on local structures in decaying MHD Turbulence
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 73-76
- (85) Mizuguchi N., Suzuki Y., Ohyabu N.
Nonlinear dynamics of a collapse phenomenon in heliotron plasma with large pressure gradient
Nuclear Fusion Vol. 49 No. 9 (2009) 095023-1 -5
- (86) Morita S., Goto M., Kobayashi M., Muto S., Chowdhuri M., Dong C., Zhou H., Cui Z., Fujii K., Furuzawa A., Hasuo M., Iwamae A., Jie Y., Koubiti M., Sakurai I., Tawara Y., Wan B., Wu Z., Yamaguchi N.
Edge and Core Impurity Transport Study with Spectroscopic Instruments in LHD
Plasma Science and Technology Vol. 11 No. 4 (2009) 402-408
- (87) Motojima G., Nagasaki K., Okada H., Watanabe K., Mizuuchi T., Matsuyama A., Hanatani K., Yamamoto S., Kobayashi S., Suzuki Y., Kondo K., Nakamura Y., Fernandez A., Cappa A., Yoshimura Y., Watanabe S., Mukai K., Sano F.
Experimental study of non-inductive current in Heliotron J
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1010-1014
- (88) Motojima G., Sakamoto R., Goto M., Yamada H.
Spectroscopic Diagnostics for Spatial Density Distribution of Plasmoid by Pellet Injection in the Large Helical Device
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1033-1-S1033-5

- (89) Motojima O.
22nd IAEA Fusion Energy Conference: summary of sessions EX/D, EX/S and EX/W
Nuclear Fusion Vol. 49 No. 10 (2009) 104001-1 -19
- (90) Muraglia M., Agullo O., Yagi M., Benkadda S., Beyer P., Garbet X., Itoh S.-I., Itoh K., Sen A.
Effect of the curvature and the β parameter on the nonlinear dynamics of a drift tearing magnetic island
Nuclear Fusion Vol. 49 No. 5 (2009) 055016-1 -11
- (91) Murakami A., Miyata H., Hashimoto R., Katagiri K., Iwamoto A.
Evaluations of mechanical properties in Dy123 single-grain bulk superconductors with low porosity
IEEE Transactions on Applied Superconductivity Vol. 19 No. 3 (2009) 2995-2998
- (92) Murakami A., Miyata H., Hashimoto R., Otaka K., Katagiri K., Iwamoto A.
Mechanical properties of low porosity Dy123 bulks with different Dy211 content
Physica C: Superconductivity Vol. 469 (2009) 1207-1210
- (93) Murakami A., Miyazawa J., Tsuchiya H., Morisaki T., Tsutagawa N., Narushima Y., Sakamoto R., Yamada H.
Investigation of the Clustering Condition for Various Gasses Ejected from a Fast Solenoid Valve for Supersonic Cluster Beam Injection
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1032-1-S1032-5
- (94) Murakami I., Safronova U., Kato T.
Dielectronic recombination into Mg-like ions
Journal of Physics: Conference Series Vol. 163 (2009) 012061-1 -4
- (95) Muroga T., Nagasaka T., Chen J., Li Y., Watanabe H.
Microstructure of creep-deformed V-4Cr-4Ti strengthened by precipitation and cold rolling
Journal of Nuclear Materials Vol. 386-388 (2009) 606-609
- (96) Muroga T., Tanaka T., Kondo M., Nagasaka T., Xu Q.
Characterization of Liquid Lithium Blanket with RAFM and V-Alloy for TBM and DEMO
Fusion Science and Technology Vol. 56 No. 2 (2009) 897-901
- (97) Muto S., Morita S., Kubo S., Igami H., Yoshimura Y., Takahashi H., Shimozuma T.
Observation of space and energy distributions of high energy electrons produced in ECH plasmas of LHD
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1039-1-S1039-4
- (98) Nagashima Y., Ejiri A., Fujisawa A., Takase Y.
Calculation of Beam Trajectories of a Heavy Ion Beam Probe Diagnostic in the TST-2 Spherical Tokamak
IEEE Transactions on Fundamentals and Materials Vol. 129 No. 9 (2009) 575-579
- (99) Nagashima Y., Itoh K., Fujisawa A., Shinohara K., Itoh S.-I., Ido T., Yagi M., Hoshino K., Ejiri A., Takase Y., Uehara K., Miura Y.
Boundary of the geodesic acoustic eigenmode in the vicinity of the magnetic separatrix
Plasma Physics and Controlled Fusion Vol. 51 No. 6 (2009) 065019-1 -10
- (100) Nagashima Y., Itoh S.-I., Itoh K., Fujisawa A., Inagaki S., Kawai Y., Shinohara S., Fukao M., Yamada T., Terasaka K., Maruta T., Kamataki K., Arakawa H., Yagi M., Kasuya N., Tynan G., Diamond P., Takase Y.
Reynolds Stress Measurements for Investigation of Nonlinear Processes of Turbulence in the Large Mirror Device and in the Large Mirror Device-Upgrade
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 50-54
- (101) Nagatomo H., Johzaki T., Sakagami H., Sentoku Y., Sunahara A., Taguchi T., Shiraga H., Azechi H., Mima K.
Numerical study of the advanced target design for FIREX-I
Nuclear Fusion Vol. 49 No. 7 (2009) 075028-1 -6
- (102) Nagayama Y.
Liquid Lithium Divertor System for Fusion Reactor
Fusion Engineering and Design Vol. 84 No. 7-11 (2009) 1380-1383
- (103) Nagayama Y.
Liquid Lithium Divertor System in a Spherical Tokamak Reactor
IEEE Transactions on Fundamentals and Materials Vol. 129-A No. 9 (2009) 580-584

- (104) Nakamura N., Kavanagh A., Watanabe H., Sakaue H., Li Y., Kato D., Currell F., Tong X., Ohtani S.
Asymmetric profiles observed in the recombination of Bi79+: A benchmark for relativistic theories involving interference
Physical Review A Vol. 80 No. 1 (2009) 014503-1-4
- (105) Nakanishi H., Kojima M., Ohsuna M., Imazu S., Nonomura M., Yamamoto T., Emoto M., Nagayama Y., Kawahata K., Hasegawa M., Higashijima A., Nakamura K., Yoshikawa M.
Clustered Data Storage for Multi-site Fusion Experiments
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1042-1-S1042-5
- (106) Nakano H., Osakabe M., Tsumori K., Sato M., Shibuya M., Ikeda K., Nagaoka K., Kaneko O., Asano E., Kondo T., Komada S., Takeiri Y.
Characteristics of 80 keV Positive Ion Source For Large Helical Device
Review of Scientific Instruments Vol. 81 No. 2 (2010) 02B116-1-02B116-4
- (107) Nakano T., Mori S., Tauchi Y., Oohara W., Fukumasa O.
Relationship between Production and Extraction of D-/H- Negative Ions in a Volume Negative Ion Source
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 789-793
- (108) Narihara K., Hayashi H.
A Movable Thomson Scattering System Based on Optical Fibers (TS-Probe)
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1046-1-S1046-6
- (109) Narushima Y., Watanabe K., Sakamoto R., Yamada I., Narihara K., Suzuki Y., Sakakibara S., Ohdachi S., Yamada H., Cooper W., VarelaRodriguez J.
MHD Stability Analysis of IDB Plasma in LHD
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1070-1074
- (110) Nishimura A., Nakajima H.
JSME Construction Standard for Superconducting Magnet of Fusion Facility, "MATERIAL"
ASME Conference Proceedings Vol. 1 (2009) 807-814
- (111) Nishimura A., Takeuchi T., Nishijima S., Nishijima G., Shikama T., Ochiai K., Koizumi N.
Neutron Irradiation Effects on Superconducting Wires and Insulating Materials
Fusion Engineering and Design Vol. 84 No. 7-11 (2009) 1425-1428
- (112) Nishimura S., Benkadda S., Yagi M., Itoh S.-I., Itoh K.
Effects of Micro-Fluctuations on Magnetic Island Evolution
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1179-1182
- (113) Nishimura S., Nakamura Y., Motojima G., Okada H., Kobayashi S., Yamamoto S., Nagasaki K., Hanatani K., Kondo K., Mizuuchi T., Sano F.
Effects of Configuration Control on the Neoclassical Viscosity in Heliotron-J
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1003-1009
- (114) Nishizuka N., Shibata K.
Study of Chromospheric Jets Using Hinode Observations and MHD simulations : Evidence of Propagating Alfvén waves and Reconnection, and its implication to the Coronal Heating Problem
The Second Hinode Science Meeting: Beyond Discovery-Toward Understanding ASP Conference Series Vol. 415 (2009) 188
- (115) Nunami M., Nishihara K.
Numerical Analysis of Laser Produced Plasma Expansion with Large Ion Larmor Radius via 3D PIC Simulation
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 0815-0818
- (116) Obana T., Hamaguchi S., Yanagi N., Mito T., Moriuchi S., Sekiguchi H., Oba K., Imagawa S.
Characteristics of the LHD Subcooling System
Journal of the Cryogenic Society of Japan Vol. 44 No. 7 (2009) 304-313
- (117) Oe H., Ogura K., Kazahari Y., Bansho K., Iizuka H., Sugawara A., Kim W.
Experimental Study on Disk Type Cold Cathode in Weakly Relativistic Energy Region
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1477-1482
- (118) Ogawa K., Isobe M., Toi K.
Installation of Bidirectional Lost Fast-Ion Probe in the Large Helical Device
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 655-658

- (119) Ogawa K., Isobe M., Toi K., LHD Experiment Group
Observation of Fast Ion Losses Induced by Various MHD Modes Driven by Fast Ions and Bulk Plasma Pressure in the Large Helical Device
Plasma and Fusion Research Vol. 4 (2009) 033-1-033-3
- (120) Ohshima T., Kondo M., Tanaka M., Muroga T.
Study of Pd Membrane Electrode in Solid Electrolyte Hydrogen (Isotopes) Sensor for Application to Liquid Blankets
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1034-1-S1034-5
- (121) Ohtani H., Horiuchi R.
Open Boundary Condition for Particle Simulation in Magnetic Reconnection Research
Plasma and Fusion Research Vol. 4 (2009) 024-1-024-14
- (122) Ohtani H., Horton W., Petrosky T., Horiuchi R.
Energy Conversion in Magnetic Reconnection With Chaos Diffusion
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 203-207
- (123) Oohara W., Fukumasa O.
Catalytic Effect on Ionization of Hydrogen
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 860-864
- (124) Oohara W., Fukumasa O.
Hydrogen Atomic Pair-Ion Production on Catalyst Surface
Review of Scientific Instruments Vol. 81 No. 2 (2010) 023507-1 -6
- (125) Oosako T., Takase Y., Ejiri A., Nagashima Y., Adachi Y., Kasahara H., Yamada T., Watanabe O., Tojo H., Kainaga S., Sugiyama J., Yamaguchi T., An B., Hayashi H., Kobayashi H., Kurashina H., Matsuzawa H., Yamada K., Kumazawa R., Shimpo F., Ono Y., Masuda T., Sasaki M.
Parametric decay instability during high harmonic fast wave heating experiments on the TST-2 spherical tokamak
Nuclear Fusion Vol. 49 No. 6 (2009) 065020-1 -6
- (126) Otubo K., Ogura K., Yamakawa M., Takashima Y.
Numerical Analysis of Slow-Wave Instabilities in an Oversized Sinusoidally Corrugated Waveguide Driven by a Finitely Thick Annular Electron Beam
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1047-1-S1047-6
- (127) Ozaki T., Goncharov P., Veshchev E., Tamura N., Sudo S., Seki T., Kasahara H., Takase Y., Ohsako T.
Radial Profiles of High-Energy Particles In NBI and ICH Plasmas Measured by Pellet Charge Exchange Technique on Large Helical Device
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1089-1094
- (128) Rajkovic M., Watanabe T., Skoric M.
Level-crossing function in the analysis of edge plasma turbulence
Nuclear Fusion Vol. 49 No. 9 (2009) 095016-1 -11
- (129) Rajkovic M., Watanabe T., Skoric M.
Spatiotemporal dynamics and transport reduction in helical magnetic configuration
Physics of Plasmas Vol. 16 No. 9 (2009) 092306-1 -7
- (130) Saito K., Kasahara H., Kumazawa R., Kumazawa R., Muto T., Watanabe T., Shimpo F., Nomura G., Osakabe M., Ichimura M., Higaki H., Komori A., the LHD experimental group
Measurement of ion cyclotron emissions by use of ICRF heating antennas in LHD
Fusion Engineering and Design Vol. 84 No. 7-11 (2009) 1676-1679
- (131) Saito K., Seki T., Kumazawa R., Kasahara H., Shimpo F., Nomura G., Muto T.
ICRF heating in helical reactor
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1030-1-S1030-5
- (132) Sakae S., Hayashi H., Kitabatake T., Matsumura T., Endo T., Norimatsu T.
Experiments on a Gas Gun for Target Injection in Inertial Fusion Energy
Plasma and Fusion Research Vol. 4 No. Special Issue (2009) S1006-1-S1006-3
- (133) Sakagami H., Johzaki T., Nagatomo H., Mima K.
Generation control of fast electron beam by low-density foam for FIREX-I
Nuclear Fusion Vol. 49 No. 7 (2009) 075026-1 -7

- (134) Sakamoto R., Kobayashi M., Miyazawa J., Ohdachi S., Yamada H., Funaba H., Goto M., Masuzaki S., Morisaki T., Yamada I., Narihara K., Tanaka K., Morita S., Ida K., Sakakibara S., Narushima Y., Watanabe K., Suzuki Y., Ashikawa N., Nagayama Y., Peterson B., Shoji M., Suzuki C., Tokitani M., Yoshimura S., Ohyabu N., Komori A., Motojima O., LHD Experimental Group
High-density plasma with internal diffusion barrier in the Large Helical Device
Nuclear Fusion Vol. 49 No. 8 (2009) 085002-1 -8
- (135) Sakaue H., Kato D., Nakamura N., Watanabe E., Yamamoto N., Chen C., Watanabe T.
EUV spectroscopy of highly charged iron ions with a low energy compact EBIT
Journal of Physics: Conference Series Vol. 163 No. 1 (2009) 012020-1 -4
- (136) Sasaki M., Itoh K., Ejiri A., Takase Y.
Poloidal eigenmode of the geodesic acoustic mode in the limit of high safety factor
Journal of Plasma Physics Vol. 75 No. 6 (2009) 721-729
- (137) Sasaki M., Itoh K., Ejiri A., Takase Y.
Transient excitation of zonal flows by geodesic acoustic modes
Plasma Physics and Controlled Fusion Vol. 51 No. 8 (2009) 085002-1 -11
- (138) Shevelko V., Kato D., Song M., Tawara H., Tolstikhina I., Yoon J.
One-electron capture and target-ionization in He⁺-neutral-atom collisions
Nuclear Instruments and Methods in Physics Research Section B Vol. 267 No. 20 (2009) 3395-3402
- (139) Shi Z., Nagayama Y., Kuwahara D., YOSHINAGA T., Sugito M., Yamaguchi S.
Two-Dimensional Numerical Simulation of Microwave Imaging Reflectometry
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 109-114
- (140) Shi Z., Nagayama Y., Yamaguchi S., Kuwahara D., YOSHINAGA T., Sugito S., Hirano Y., Koguchi H., Kiyama S., Sakakita H., Yambe K., Michael C.
Maximum Entropy Analysis of the 2D Density Turbulence Measured by MIR in TPE-RX
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1019-1-S1019-4
- (141) Shimizu A., Ido T., Nishiura M., Nakamura S., Nakano H., Ohshima S., Nishizawa A., Yokoyama M., Yoshimura Y., Kubo S., Shimozuma T., Igami H., Takahashi H., Tamura N., Yamada I., Minami T., Narihara K., Akiyama T., Tokuzawa T., Tanaka K., Kawahata K., Toi K., Isobe M., Watanabe F., Ogawa K., Nagaoka K., Ikeda K., Osakabe M., Tsumori K., Takeiri Y., Kaneko O., Kato S., Yokota M., Hamada Y.
Potential Measurement with the 6-MeV Heavy Ion Beam Probe of LHD
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1015-1-S1015-5
- (142) Shimozuma T., Idei H., Shapiro M., Temkin R., Kubo S., Igami H., Yoshimura Y., Takahashi H., Ito S., Kobayashi S., Mizuno Y., Takita Y., Muto T.
Mode-Content Analysis and Field Reconstruction of Propagating Waves in Corrugated Waveguides of an ECH System
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1029-1-S1029-5
- (143) Shimozuma T., Kubo S., Yoshimura Y., Igami H., Takahashi H., Takita Y., Kobayashi S., Ito S., Mizuno Y., Idei H., Notake T., Shapiro M., Temkin R., Felici F., Goodman T., Sauter O., Minami R., Kariya T., Imai T., Muto T.
Handling Technology of Mega-Watt Millimeter-waves for Optimized Heating of Fusion Plasmas
Journal of Microwave Power and Electromagnetic Energy Vol. 43 No. 1 (2009) 60-70
- (144) Shinohara S.
Development and Application of Helicon Plasma Sources - Evolution of Extensive Plasma Science
BUTSURIVol. 64 No. 7 (2009) 519-526
- (145) Shinohara S., Hada T., Motomura T., Tanaka K., Tanikawa, T., Toki K., Tanaka, Y., Shamrai, K.P.
Development of High-Density Helicon Plasma Sources and Their Applications
Physics of Plasmas Vol. 16 No. 5 (2009) 057104-1 -10
- (146) Skobelev I., Murakami I., Kato T.
Recommended data on proton-ion collision rate coefficients for Fe X-Fe XXIII ions
Astronomy & Astrophysics Vol. 511 (2010) A60-1-A60-13
- (147) Sugama H., Watanabe T., Nunami M.
Linearized model collision operators for multiple ion species plasmas and gyrokinetic entropy balance equations
Physics of Plasmas Vol. 16 No. 11 (2009) 112503-1 -16
- (148) Sugiyama T., Tanaka M., Cristescu I., Doerr L., Welte S., Michling R., Asakura Y., Uda T., Yamamoto I.
Performance Tests of Tritium Separation by LPCE Column at TLK Facility
Fusion Science and Technology Vol. 56 No. 2 (2009) 861-866

- (149) Sumino Y., Watanabe H., Yoshida N.
The microstructural evolution of precipitate strengthened copper alloys by varying temperature irradiation
Journal of Nuclear Materials Vol. 386-388 (2009) 654-657
- (150) Sumiyoshi F., Kawagoe A., Tokuda M., Kaminohara S.
A Quench Monitoring System of Superconducting Coils by Using the Poynting Vector Method
IEEE Transactions on Applied Superconductivity Vol. 19 No. 3-2 (2009) 2341-2344
- (151) Suzuki C., Kato T., Sato K., Tamura N., Kato D., Sudo S., Yamamoto N., Tanuma H., Ohashi H., Suda S., O'Sullivan G., Sasaki A.
EUV Spectra from Highly Charged Tin Ions Observed in Low Density Plasmas in LHD
Journal of Physics: Conference Series Vol. 163 No. 1 (2009) 012019-1-4
- (152) Suzuki Y., Watanabe K., Funaba H., Sakakibara S., Nakajima N., Ohyabu N.
Effects of the stochasticity on transport properties in high- β LHD
Plasma and Fusion Research Vol. 4 (2009) 036-1-036-6
- (153) Takahashi H., Shimozuma T., Kubo S., Ito S., Kobayashi S., Yoshimura Y., Igami H., Mizuno Y., Takita Y., Muto T., Kariya T., Minami R., Imai T.
The Development of a 77-GHz, 1-MW ECRH System for the Large Helical Device
Fusion Science and Technology Vol. 57 No. 1 (2010) 19-26
- (154) Takahashi T., Itoh T., Fujiwara S., Hashimoto M.
Novel Primary Dispersion in Viscoelastic Behavior of Ferroelectric Nylon 6
Polymer Journal Vol. 41 No. 5 (2009) 354-355
- (155) Takashima Y., Ogura K., Yamakawa M., Otubo K., Amin Md. R.
Analysis of Slow-Wave Instability in Rectangularly Corrugated Cylindrical Waveguide
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1512-1517
- (156) Takeiri Y.
Negative Ion Source Development for Fusion Application
Review of Scientific Instruments Vol. 81 No. 2 (2010) 02B114-
- (157) Takeuchi M., Ohdachi S.
Development of a High-Speed VUV Camera System for 2-Dimensional Imaging of Edge Turbulent Structure in the LHD
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1037-1-S1037-5
- (158) Tamura H., Takahata K., Mito T., Imagawa S., Sagara A.
Conceptual Design and Development of an Indirect-cooled Superconducting Helical Coil in the FFHR
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1035-1-S1035-5
- (159) Tamura N., Liu Y., Iwama N., Sudo S., Khlopenkov K., Kostrioukov A., Peterson B., Inagaki S., Nagayama Y., Kawahata K., Morisaki T., Ida K., Ohyabu N., Komori A.
Confinement property of tracer impurity particle inside a static magnetic island O-point of Large Helical Device
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 975-980
- (160) Tanaka M., Katahira K., Asakura Y., Ohshima T.
Hydrogen pump using a high-temperature proton conductor for nuclear fusion engineering applications
Solid State Ionics Vol. 181 No. 3-4 (2010) 215-218
- (161) Tanaka M., Uda T., Munakata K.
Hydrogen and methane oxidation performances of hybrid honeycomb catalyst for a tritium removal system
Fusion Engineering and Design Vol. 84 No. 7-11 (2009) 1818-1822
- (162) Tauchi H., Waku H., Matumoto E., Yara S., Okumura S., Iwata Y., Komatsu K., Furusawa Y., Eguchi-Kasai K., Tachibana A.
Two major factors involved in the reverse dose-rate effect for somatic mutation induction are the cell cycle position and LET value
Journal of Radiation Research Vol. 50 No. 5 (2009) 441-448
- (163) Toda S., Itoh K., Ohyabu N.
Theoretical Modeling of Transport Barriers in Helical Plasmas
Plasma and Fusion Research Vol. 5 (2010) 011-1-011-9

- (164) Tojo H., Ejiri A., Takase Y., Nagashima Y., Watanabe O., Adachi Y., Oosako T., Yamaguchi T., An B., Kobayashi H., Kurashina H., Matsuzawa H., Yamada K., Sasaki M., Masuda T.
Phase Alignments between MHD Modes Followed by Minor Collapses on TST-2
Plasma and Fusion Research Vol. 4 (2009) 015-1-015-3
- (165) Tokunaga S., Yagi M., Itoh S.-I., Itoh K.
Multi-scale transport simulation of toroidal momentum source profile effect on internal transport barrier collapse
Nuclear Fusion Vol. 49 No. 7 (2009) 075023-1 -9
- (166) Tong X., Nakamura N., Ohtani S., Watanabe T., Toshima N.
Green's function for multielectron ions and its application to radiative recombination involving dielectronic recombinations
Physical Review A Vol. 80 No. 4 (2009) 042502-1 -5
- (167) Uchida M., YOSHINAGA T., Tanaka H., Maekawa T.
Rapid current ramp-up by cyclotron-driving electrons beyond runaway velocity
Physical Review Letters Vol. 104 (2010) 065001-
- (168) Uehara Y., Ikehata H., Furuya M., Kobayashi S., He D., Chen Y., Komura J., Ohtani H., Shimokawa I., Ono T.
XPC is involved in genome maintenance through multiple pathways in different tissues
Mutation Research Vol. 670 No. 1-2 (2009) 24-31
- (169) Umata T., Kunugita N., Norimura T.
A comparison of the mutagenic and apoptotic effects of tritiated water and acute or chronic caesium-137 gamma exposure on spleen T lymphocytes on normal and p53-deficient mice
International Journal of Radiation Biology Vol. 85 No. 12 (2009) 1082-1088
- (170) Usami S., Horiuchi R., Ohsawa Y.
Numerical studies on ultrarelativistic ion motions in an oblique magnetosonic shock wave
Physics of Plasmas Vol. 16 No. 12 (2009) 122104-1 -7
- (171) Usami S., Ohtani H., Horiuchi R., Den M.
First Demonstration of Collisionless Driven Reconnection in a Multi-Hierarchy Simulation
Plasma and Fusion Research Vol. 4 (2009) 049-1-049-3
- (172) Usui H., Kajimura Y., Nunami M., Funaki I., Shinohara I., Yamakawa H., Nakamura M., Akita D., Ueda H.
Multi-Scale Plasma Particle Simulation for the Development of Interplanetary Flight System
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 1569-1573
- (173) Veshchev E., Ozaki T., Watanabe T., Sudo S.
Influence of Neutral Beam Injection Direction and Magnetic Axis Position on Fast Ion Distribution Function in Large Helical Device
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1024-1-S1024-5
- (174) Watanabe T.
Feedback instability in the magnetosphere-ionosphere coupling system: Revisited
Physics of Plasmas Vol. 17 No. 2 (2010) 022904-1 -8
- (175) Weller A., Watanabe K., Sakakibara S., Dinklage A., Funaba H., Geiger J., Harris J., Ohdachi S., Preuss R., Suzuki Y., Werner A., Yamada H., Zarnstorff M.
International Stellarator/Heliotron Database Activities on High-Beta Confinement and Operational Boundaries
Nuclear Fusion Vol. 49 No. 6 (2009) 065016-1 -13
- (176) Wu Y., Qi, Y. Y., Yan J., Wang J. G., Li Y., Buenker R. J., Kato D., Kato D., Krstic, P. S.
Low-energy electron capture in collisions of C³⁺ with He
Physical Review A Vol. 80 No. 2 (2009) 022715-1 -7
- (177) Yagi M., Itoh S.-I., Tokunaga S., Nishimura S., Itoh K.
Multi-scale Interaction between MHD, Turbulence and Transport in Tokamak Plasmas
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 122-125
- (178) Yamada J., Kawano T., Uda T., Shimo M.
Effect of Electromagnetic Field in Fusion Facility on Electronic Personal Dosimeter
Japanese Journal of Health Physics Vol. 45 No. 1 (2010) 51-56

- (179) Yamada T., Itoh S.-I., Inagaki S., Nagashima Y., Shinohara S., Maruta T., Terasaka K., Kamataki K., Kasuya N., Yagi M., Kawai Y., Fujisawa A., Itoh K.
Measurement of Nonlinear Mode Couplings in the Large Mirror Device-Upgrade
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 87-90
- (180) Yamagishi O., Murakami S.
Shape effect of the outermost flux surface on effective helical ripple and zonal flow response in an $L = 2$ heliotron
Nuclear Fusion Vol. 49 No. 4 (2009) 045001-1 -9
- (181) Yamamoto N., Sakaue H., Kato D., Murakami I., Kato T., Nakamura N., Watanabe E., Nishimura H., Watanabe T.
Analysis of EUV spectra from highly charged iron ions with a compact EBIT
Journal of Physics: Conference Series Vol. 163 No. 1 (2009) 012023-1 -4
- (182) Yamanishi H., Miyake H., Nakayoshi H.
Application of Electric Personal Dosimeter to Environmental Radiation on Long Term Continuous Measurement
Radioisotopes Vol. 58 No. 9 (2009) 611-615
- (183) Yamanishi H., Sugiura N.
Variation of Detection Ability with Scanning Method on Surface Survey of Radiological Density
Japanese Journal of Health Physics Vol. 44 No. 3 (2009) 304-312
- (184) Yanagi N., Nishimura K., Bansal G., Sagara A., Motojima O.
Split and Segmented-Type Helical Coils for the Heliotron Fusion Energy Reactor
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1026-1-S1026-5
- (185) Yoshimura S., Okamoto A., Tanaka M.
Measurement of Ion Flow Velocity Field Associated with Plasma Hole Using Laser Induced Fluorescence Spectroscopy
Journal of Plasma and Fusion Research SERIES Vol. 8 (2009) 11-14
- (186) Yoshinuma M., Ida K., Yokoyama M., Nagaoka K., Osakabe M.
Observations of spontaneous toroidal flow in the LHD
Nuclear Fusion Vol. 49 No. 7 (2009) 075036-1 -6
- (187) Yoshinuma M., Ida K., Yokoyama M., Osakabe M., Morita S., Nagaoka K., Funaba H., Yoshimura S., Takeiri Y., Ikeda K., Tsumori K., Kaneko O.
Observation of an impurity hole in the Large Helical Device
Nuclear Fusion Vol. 49 No. 6 (2009) 062002-1 -5
- (188) Zhou H., Morita S., Goto M., Dong C.
Zeff profile diagnostics using visible bremsstrahlung continuum for nonaxisymmetric plasmas with finite β in large helical device
Journal of Applied Physics Vol. 107 No. 5 (2010) 053306-1 -11
- (189) Zhou H., Morita S., Goto M., Narihara K., Yamada I.
Application of Zeff Profile Analysis Based on Visible Bremsstrahlung Measurement to Different Density Profiles in the LHD
Plasma and Fusion Research Vol. 5 No. Special Issue (2010) S1021-1-S1021-6