

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

- (1) Akiyama T., Hirsch M., Estrada T., Hidalgo C., Mizuuchi T.
Status of a Stellarator/Heliotron H-mode Database
Contributions to Plasma Physics Vol. 50 6-7 (2010) 590-593
- (2) Akiyama T., Kawahata K., Okajima S., Nakayama K.
Improved Resolution and Stability in a Dispersion Interferometer Using a Modulation Amplitude Ratio
Plasma and Fusion Research Vol. 5 (2010) 047-1-047-3
- (3) Akiyama T., Kawahata K., Okajima S., Nakayama K.
Development of CO₂ laser dispersion interferometer with photoelastic modulator
Review of Scientific Instruments Vol. 81 10 (2010) 10D501-1-10D501-4
- (4) Akiyama T., Kawahata K., Tanaka K., Tokuzawa T., Ito Y., Okajima S., Nakayama K., Michael C., Vyacheslavov L., Sanin A., Tsuji-Iio S.
Interferometer Systems on LHD
Fusion Science and Technology Vol. 58 1 (2010) 352-363
- (5) Aoki H., Imai T., Kariya T., Minami R., Iizumi H., kondou H., Ota M.
Improvement of ECRH Elliptical Mirror Antenna for GAMMA 10
Transactions of Fusion Science and Technology Vol. 59 1T (2011) 247-249
- (6) Aoyagi M., Ito S., Hashizume H., Muroga T.
MHD pressure drop characteristics in a three-surface-multi-layered channel under a strong magnetic field
Fusion Engineering and Design Vol. 85 7-9 (2010) 1181-1184
- (7) Arakawa H., Inagaki S., Nagashima Y., Yamada T., Kamataki K., Kobayashi T., Sugita S., Yagi M., Kasuya N., Fujisawa A., Itoh S., Itoh K.
Probability Density Function of Density Fluctuations in Cylindrical Helicon Plasmas
Plasma and Fusion Research Vol. 5 Special Issue2 (2010) S2044-1-S2044-3
- (8) Arakawa H., Inagaki S., Nagashima Y., Yamada T., Kamataki K., Kobayashi T., Sugita S., Yagi M., Kasuya N., Fujisawa A., Itoh S., Itoh K.
Bifurcation of the plasma turbulence on LMD-U
Plasma Physics and Controlled Fusion Vol. 52 10 (2010) 105009-1 -12
- (9) Araki K., Miura H.
Visualization of energy transfer to magnetic energy by rolling-up vortices with uniform background magnetic field
Journal of Plasma and Fusion Research SERIES Vol. 9 (2010) 446-451
- (10) Araki K., Miura H.
Orthonormal Divergence-free Wavelet Analysis of Energy Transfer in Hall-MHD Turbulence
Plasma and Fusion Research Vol. 5 special issue 2 (2010) S2048-1-5
- (11) Aramaki M., Ogiwara K., Etoh S., Yoshimura S., Tanaka M.
Measurement of Neutral Flow Velocity in an ECR Plasma Using Tunable Diode Laser LIF Spectroscopy Combined with Saturated Absorption Spectroscopy
Journal of Physics: Conference Series Vol. 227 1 (2010) 012008-1 -6
- (12) Chikaraishi H., Inoue T., Takami S., Aoyama K., Haga T.
DC Power Supplies for LHD Superconducting Magnets and Their Enhancement for Dynamic Control of the Magnetic Field
Fusion Science and Technology Vol. 58 1 (2010) 586-592
- (13) Emoto M., Yoshida M., Nakanishi H., Yamamoto T., Watanabe T., Watanabe K., Shoji M., Nagayama Y.
Remote Participation for the LHD Experiment
Fusion Science and Technology Vol. 58 1 (2010) 458-464
- (14) Feng Y., Kobayashi M., Lunt T., Reiter D.
Comparison between stellarator and tokamak divertor transport
Plasma Physics and Controlled Fusion Vol. 53 2 (2011) 024009-1 -17
- (15) Fujii K., Shikama T., Iwamae A., Goto M., Morita S., Hasuo M.
Development of Multi-Wavelength-Range High-Resolution Spectrometer for Hydrogen Atomic and Molecular Emission Lines
Plasma and Fusion Research Vol. 5 Special Issue 2 (2010) S2079-1-S2079-4
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Wavelet analyses using parallel computing for plasma turbulence studies
Physics of Plasmas Vol. 17 10 (2010) 104503-1 -3

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Molecular dynamics simulation for phase behavior of amphiphilic solution
Computer Physics Communications Vol. 182 1 (2011) 192-194
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Effect of Molecular Rigidity on Micelle Formation in Amphiphilic Solution
Plasma and Fusion Research Vol. 5 Special Issue 2 (2010) S2114-1-S2114-4
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Local Transport Property of High-Beta Plasmas on LHD
Fusion Science and Technology Vol. 58 1 (2010) 141-149
- (20) Goncharov P., Kuteev B., Ozaki T., Sudo S.
Analytical and semianalytical solutions to the kinetic equation with Coulomb collision term and a monoenergetic source function
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- (21) Goto M., Morita S.
Self-Reversal in Hydrogen Lyman- α Line Profile
Plasma and Fusion Research Vol. 5 Special Issue 2 (2010) S2089-1-S2089-4
- (22) Goto M., Morita S., Koubiti M.
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Journal of Physics B: Atomic, Molecular and Optical Physics Vol. 43 14 (2010) 144023-1 -11
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Fusion Science and Technology Vol. 58 1 (2010) 394-411
- (24) Goto M., Sawada K., Fujii K., Hasuo M., Morita S.
Evaluation of hydrogen atom density in the plasma core region based on the Balmer- α line profile
Nuclear Fusion Vol. 51 2 (2011) 023005-1 -7
- (25) Goto T., Suzuki Y., Watanabe K., Imagawa S., Sagara A.
Core Plasma Design of a Heliotron Reactor
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- (26) Hamada Y., Watari T., Nishizawa A., Yamagishi O., Narihara K., Ida K., Kawasumi Y., Ido T., Kojima M., Toi K.
Detection of kinetic geodesic acoustic mode (KGAM) near the center region of JIPPT-IIU tokamak plasmas
Nuclear Fusion Vol. 51 3 (2011) 033005-1 -8
- (27) Hamaguchi S., Okamura T., Imagawa S., Obana T., Yanagi N., Mito T.
Helium Subcooling System for LHD Helical Coils
Fusion Science and Technology Vol. 58 1 (2010) 581-585
- (28) Hasegawa H., Ohno N., Sato T.
Simulation of feedback instability in the coupled magnetosphere-ionosphere system
Journal of Geophysical Research - Space Physics Vol. 115 (2010) 08304-1 -10
- (29) Hasegawa H., Sato T.
Improved Open Boundary Model for Plasma Particle Simulations
Plasma and Fusion Research Vol. 5 (2010) 020-1-020-7
- (30) Himura H., Isobe M., Shimizu A., Masamune S.
Role of Negative Potential Barrier Formed by Electrons Confined in the Stochastic Magnetic Region of Helical Nonneutral Plasmas
Plasma and Fusion Research Vol. 5 Special Issue 2 (2010) S2066-1-S2066-4
- (31) Hirayama N., Endo A., Fujita K., Hasegawa Y., Hatano N., Nakamura H.
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- (32) Hirooka Y.
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Theoretical MHD Analyses of LHD Plasmas
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- (36) Ida K., Inagaki S., Yoshinuma M., Tamura N., Morisaki T.
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Fusion Science and Technology Vol. 58 1 (2010) 113-121
- (37) Ida K., Yoshinuma M., Nagaoka K., Osakabe M., Morita S., Goto M., Funaba H., Yokoyama M., Ikeda K., Nakano H., Tsumori K., Takeiri Y., Kaneko O., Sakamoto Y.
Ion Internal Transport Barrier in the Large Helical Device
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Experimental study of radial electric field and electrostatic potential fluctuation in the Large Helical Device
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Research of Electron Cyclotron Resonance Heating Methods and Relevant Experiments
Fusion Science and Technology Vol. 58 1 (2010) 539-550
- (44) Iizumi H., Minami R., Imai T., Kariya T., Aoki H., kondou H., Ota M.
Studies of GAMMA 10 ECRH Characteristics from the Soft X-RAY Measurement
Transactions of Fusion Science and Technology Vol. 59 1T (2011) 289-291
- (45) Ikeda K., Nagaoka K., Takeiri Y., Tsumori K., Osakabe M., Nakano H., Kaneko O.
Optical Measurement of Cesium Behavior in a Large H⁻ Ion Source for a Neutral Beam Injector
Plasma and Fusion Research Vol. 5 Special Issue 2 (2010) S2102-1-S2102-4
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Journal of Physics: Conference Series Vol. 257 1 (2010) 012026-1 -9
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- (56) Isobe M., Ogawa K., Toi K., Osakabe M., Nagaoka K., Shimizu A., Spong D.
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Examination of Temperature Dependence of Chemical Sputtering on Graphite by Comparing the Langevin and Berendsen Thermostats
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