

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

- (1) Akata N., Tsukada H., Takahashi T., Fukutani S.
A simple method for sampling and analysis of particulate, inorganic gaseous and organic gaseous halogens in the atmosphere
Radiation Environment and Medicine 52 -2016 29-32
- (2) Akiyama T., Antoine S., Watts C., Shigin P., Vayakis G., Walsh M.
Design of a dispersion interferometer combined with a polarimeter to increase the electron density measurement reliability on ITER
Review of Scientific Instruments 8711 -2016 11E133
- (3) Akiyama T., Zeeland M., Boivin R., Carlstrom T., Chavez J., Muscatello C., O_neill R., Vasquez J., Watkins M., Martin W., Colio A., Finkenthal D., Brower D., Chen J., Ding W., Perry M.
Bench Testing of a Heterodyne CO2 Laser Dispersion Interferometer for High Temporal Resolution Plasma Density Measurements
Review of Scientific Instruments 8712 -2016 123502
- (4) Alimov V., Hatano Y., Yoshida N., Watanabe H., Oyaidzu M., Tokitani M., Hayashi T.
Surface modification and sputtering erosion of reduced activation ferritic martensitic steel F82H exposed to low-energy, high flux deuterium plasma
Nuclear Materials and Energy 7 -2016 25-32
- (5) Ashikawa N., Sugiyama K., Manhard A., Balden M., Jacob W.
Effects of surface modifications on deuterium retention in F82H and EUROFER exposed to low-energy deuterium plasmas
Fusion Engineering and Design 112 -2016 236-239
- (6) Bader A., Kobayashi M., Schmitz O., Akerson A., Effenberg F., Frerichs H., Feng Y., Hegna C., Ida K.
Modeling of helium transport and exhaust in the LHD edge
Plasma Physics and Controlled Fusion 5812 -2016 124006
- (7) Bando T., Ohdachi S., Suzuki Y.
Developments of scintillator-based soft x-ray diagnostic in LHD with CsI:Tl and P47 scintillators
Review of Scientific Instruments 8711 -2016 11E317
- (8) Beckers J., Ida K., Yoshinuma M., Emoto M., Seki R., Yokoyama M., Jaspers R.
Implementation of Neoclassical Effects in Momentum Transport Analysis at LHD
Plasma and Fusion Research 12Regular Issue -2017 1402006
- (9) Bernard E., Sakamoto R., Tokitani M., Masuzaki S., Hayashi H., Yamada H., Yoshida N.
Temperature impact on the micro structure of tungsten exposed to He irradiation in LHD
Journal of Nuclear Materials 484 -2017 24__29
- (10) Bi H., Hirooka Y., Yagi J.
A Study on Hydrogen Transport in Liquid Metals under Steady State Plasma Bombardment
Plasma and Fusion Research 11Special Issue 1 -2016 2405026-1-4
- (11) Bierwage A., Shinohara K., Todo Y., Aiba N., Ishikawa M., Matsunaga G., Takechi M., Yagi M.
Self-consistent long-time simulation of chirping and beating energetic particle modes in JT-60U plasmas
Nuclear Fusion 571 -2017 016036
- (12) Bierwage A., Todo Y., Aiba N., Shinohara K.
Sensitivity study for N-NB-driven modes in JT-60U: boundary, diffusion, gyroaverage, compressibility
Nuclear Fusion 5610 -2016 106009
- (13) Cheng C., Inoue S., Ono Y., Horiuchi R.
Decoupling of Electron and Ion Dynamics in Driven Magnetic Reconnection in Collisionless Plasmas
Plasma and Fusion Research 11Regular Issue -2016 10.1585/pfr.11.1401081
- (14) Chikaraishi H., Group F.
Extra-Low-Voltage DC Power Supply for Large-Scale Superconducting Coil for Fusion Device
IEEE Transactions on Applied Superconductivity 264 -2016 0606204
- (15) Dai S., Kobayashi M., Kawamura G., Morita S., Oishi T., Zhang H., Huang X., Feng Y., Wang D., Suzuki Y.
EMC3-EIRENE simulation of impurity transport in comparison with EUV emission measurements in the stochastic layer of LHD: effects of force balance and transport coefficients
Contributions to Plasma Physics 566-8 -2016 628-633

- (16) Dai S., Kobayashi M., Kawamura G., Morita S., Zhang H., Oishi T., Feng Y., Wang D., Suzuki Y.
EMC3-EIRENE modelling of edge impurity transport in the stochastic layer of the large helical device compared with extreme ultraviolet emission measurements
Nuclear Fusion 566 -2016 066005
- (17) Du X., Toi K., Ohdachi S., Watanabe K., Takahashi H., Yoshimura Y., Osakabe M., Seki R., Nicolas T., Tsuchiya H., Nagaoka K., Ogawa K., Tanaka K., Isobe M., Yokoyama M., Yoshinuma M., Kubo S., Sakakibara S., Bando T., Ido T., Ozaki T., Suzuki Y., Takemura
Suppression of Trapped Energetic Ions driven Resistive Interchange Modes with Electron-Cyclotron-Heating in a Helical Plasma
Physical Review Letters 11812 -2017 1-5,125001
- (18) Emoto M., Yoshinuma M., Yoshida M., Nakanishi H., Iwata C., Ohsuna M., Nonomura M., Imazu S., Yokota M., Aoyagi M., Ogawa H., Ida K., Watanabe K., Kaneko O.
Overview of the LHD central control room data monitoring environment
Fusion Engineering and Design 112 -2016 814-817
- (19) Endo M.
The Fusion Science Archives and Methods of Collecting Oral Histories
The bulletin of the National Institute of Japanese Literature 13 -2017 85-109
- (20) Fu H., Nagasaka T., Muroga T., Kimura A., Ukai S.
Effect of HIP temperature and cooling rate on microstructure and hardness of joints for ODS-RAFM steels and JLF-1 steel
Plasma and Fusion Research 11Special Issue1 -2016 240539 1-5
- (21) Fujii K., Kato D., Nakamura N., Goto M., Morita S., Hasuo M.
Experimental evaluation of fractional abundance data for W23+__W28+
Journal of Physics B: Atomic, Molecular and Optical Physics 505 -2017 055004
- (22) Fujii K., Yamada I., Hasuo M.
Data-driven sensitivity inference for Thomson scattering electron density measurement systems
Review of Scientific Instruments 881 -2017 013508
- (23) Fujioka S., Arikawa Y., Kojima S., Johzaki T., Nagatomo H., Sawada H., Lee S., Shiroto T., Ohnishi N., Morace A., Vaisseau X., Sakata S., Abe Y., Matsuo K., Law K., Tosaki S., Yogo A., Shigemori K., Hironaka Y., Zhang Z., Sunahara A., Ozaki T., Sakagami H
Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field
Physics of Plasmas 235 -2016 056308
- (24) Fujiwara S., Takahashi Y., Ikebe H., Mizuguchi T., Hashimoto M., Tamura Y., Nakamura H., Horiuchi R.
Dissipative Particle Dynamics Simulation of Self-Assembly in a Bolaamphiphilic Solution
Plasma and Fusion Research 11Special Issue 1 -2016 2401073
- (25) Geng S., Tsumori K., Nakano H., Kisaki M., Ikeda K., Osakabe M., Nagaoka K., Takeiri Y., Shibuya M., Kaneko O.
Depth of Influence on the Plasma by Beam Extraction in a Negative Hydrogen Ion Source for NBI
Plasma and Fusion Research 11Special Issue 1 -2016 2405037
- (26) Goto M., Sawada K., Oishi T., Morita S.
Self-reversal in Lyman- α line profile for diagnosis of fusion plasma
Journal of Physics: Conference Series 8101 -2017 012016
- (27) Goto M., Sawada K., Oishi T., Morita S.
Particle source and edge confinement study based on spectroscopic diagnosis in the LHD
Plasma Physics and Controlled Fusion 588 -2016 084001
- (28) Goto T., Miyazawa J., Tamura H., Tanaka T., Yanagi N., Sagara A.
Proposal for the Method of Maintaining Breeder Blankets in the LHD-Type Helical Fusion Reactor FFHR
Plasma and Fusion Research 11Special Issue 1 -2016 2405047
- (29) Gouda A., Sakagami H., Ogata T., Hashida M., Sakabe S.
Formation Mechanism of a Periodic Nanograting Structure by a Surface Plasma Wave
Plasma and Fusion Research 11Special Issue 1 -2016 2401071
- (30) Gouda A., Sakagami H., Ogata T., Hashida M., Sakabe S.
The formation mechanism of the periodic nanograting structure by the Weibel instability
Applied Physics A 1224 -2016 454

- (31) Guo X., Horiuchi R., Cheng C., Kaminou Y., Ono Y.
Energy Conversion Mechanism for Electron Perpendicular Energy in High Guide-Field Reconnection
Physics of Plasmas 243 -2017 032901
- (32) Habara H., Honda S., Katayama M., Sakagami H., Nagai K., Tanaka K.
Efficient energy absorption of intense ps-laser pulse into nanowire target
Physics of Plasmas 236 -2016 063105
- (33) Hamaguchi S., Iwamoto A., Takahata K., Takada S., Imagawa S., Mito T., Moriuchi S., Oba K., Takami S., Higaki H., Kumaki T., Nadehara K.
Commissioning Test Results of Variable Temperature Helium Refrigerator/Liquefier for NIFS Superconducting Magnet Test Facility
IEEE Transactions on Applied Superconductivity 263 -2016 9500404
- (34) Hamaji Y., Tokitani M., Masuzaki S., Sakamoto R., Tamura H., Sagara A.
ACT2: a high heat flux test facility using electron beam for fusion application
Plasma and Fusion Research 11Special Issue 1 -2016 2405089,1-4
- (35) Hashida M., Nishii T., Miyasaka Y., Sakagami H., Shimizu M., Inoue S., Sakabe S.
Orientation of periodic grating structures controlled by double-pulse irradiation
Applied Physics A 1224 -2016 484
- (36) Hata M., Sakagami H., Johzaki T., Sentoku Y., Nagatomo H.
Study of fast electron generation using multi beam of LFEX-class laser
Journal of Physics: Conference Series 717conference 1 -2016 012037
- (37) Hatori T., Ito A., Nunami M., Usui H., Miura H.
Level-by-level artificial viscosity and visualization for MHD simulation with adaptive mesh refinement
Journal of Computational Physics 319 -2016 231-241
- (38) Hayashi Y., Kawano M., Sanpei A., Masuzaki S.
Mie-Scattering Ellipsometry System for Analysis of Dust Formation Process in Large Plasma Device
IEEE Transactions on Plasma Science 446 -2016 1032 - 1035
- (39) Hishinuma Y., Taniguchi H., Kikuchi A.
Bronze Processed Nb3Sn Multifilamentary Wires Using Various Cu-Sn-Zn Solid Solution Strengthened Bronze Alloy Matrices
Journal of the Japan Institute of Metals 807 -2016 473-479
- (40) Hochin T., Nakanishi H., Nomiya H.
Special Topic Articles: Applications of Data Mining to Fusion Plasma Studies 3.2 Dissimilarity of Time Series Data for Data Mining
Journal of Plasma and Fusion Research 925 -2016 347-351
- (41) Horiuchi R., Ichiguchi K., Nicolas T., Sato M., Ishizawa A., Ishizaki R., Kanno R., Satake S., Nunami M., Nakata M., Toda S., Yamagishi O., Sugama H., Watanabe T., Todo Y., Wang H., Nishimura S., Yokoyama M., Suzuki Y., Kawamura G., Nakamura H., Saito S.,
Project Review_Numerical Simulation Reactor Research Project at the National Institute for Fusion Science
Journal of Plasma and Fusion Research 9211 -2016 785-831
- (42) Horton W., Miura H., Onishchenko O., Couedel L., Arnas C., Escarguel A., Benkadda S., Fedun V.
Dust devil dynamics
Journal of Geophysical Research -Atmospheres 12112 -2016 7197-7214
- (43) Hu C., Fujita H., Yajima M., Sakurada S., Uemura Y., Azuma K., Tokitani M., Masuzaki S., Yoshida N., Chikada T., Oya Y.
Influence of carbon-dominated deposition layer on He retention and desorption in tungsten
Fusion Engineering and Design 112 -2016 117__122
- (44) Huang B., Satake S., Kanno R., Sugama H., Goto T.
Benchmark of the Bootstrap Current Simulation in Helical Plasmas
Plasma and Fusion Research 12Regular Issue -2017 1203004
- (45) Huang B., Satake S., Kanno R., Sugama H., Matsuoka S.
Benchmark of the local drift-kinetic models for neoclassical transport simulation in helical plasmas
Physics of Plasmas 242 -2017 022503
- (46) Ichiguchi K., Suzuki Y., Todo Y., Sato M., Nicolas T., Carreras B., Sakakibara S., Takemura Y., Ohdachi S., Narushima Y.
Three-dimensional numerical analysis of shear flow effects on MHD stability in LHD plasmas
Plasma and Fusion Research 11Special Issue 1 -2016 2403035

- (47) Ida K., Kobayashi T., Itoh K., Yoshinuma M., Tokuzawa T., Akiyama T., Ogawa K., Moon C., Tsuchiya H., Inagaki S., Itoh S.
Abrupt onset of tongue deformation and phase space response of ions in magnetically-confined plasmas
Scientific Reports 6 -2016 36217
- (48) Ida K., Kobayashi T., Yoshinuma M., Suzuki Y., Narushima Y., Evans T., Ohdachi S., Tsuchiya H., Inagaki S., Itoh K.
Bifurcation physics of magnetic islands and stochasticity explored by heat pulse propagation studies in toroidal plasmas
Nuclear Fusion 569 -2016 092001
- (49) Ida K., Yoshinuma M., Goto M., Schmitz O., Dai S., Bader A., Kobayashi M., Kawamura G., Moon C., Nakamura Y.
Helium transport in the core and stochastic edge layer in LHD
Plasma Physics and Controlled Fusion 587 -2016 074010
- (50) Igami H., Fukuyama A., Idei H., Nagasaki K., Goto Y., Kubo S., Shimozuma T., Yoshimura Y., Takahashi H., Tsujimura T., Makino R.
Comparison between Full Wave and Ray-Tracing Calculations to Examine Scenarios for Electron Bernstein Wave Heating in LHD
Plasma and Fusion Research 11Special Issue 1 -2016 2403098
- (51) Ikeda K., Geng S., Tsumori K., Nakano H., Kisaki M., Nagaoka K., Osakabe M., Kaneko O., Takeiri Y.
Recent Studies of Hydrogen Negative Ion Source and Beam Production for NBI in Large Helical Device
Plasma and Fusion Research 11Special Issue 1 -2016 2505038
- (52) Imagawa S.
Feasibility study of react-and-wind method for helical coils wound from cable-in-conduit conductors
Plasma and Fusion Research 11Special Issue 1 -2016 2405058
- (53) Imagawa S., Chikaraishi H., Obana T., Takada S., Yanagi N.
Quench Protection System for a 13-T Magnet With a 700-mm Bore
IEEE Transactions on Applied Superconductivity 264 -2016 4701504
- (54) Ishizawa A., Kishimoto Y., Sugama H.
Special Topic Articles_Parity in Torus Plasmas: 5. Summary and Discussion
Journal of Plasma and Fusion Research 927 -2016 564-565
- (55) Ito A.
Commentary: Theory of MHD Equilibrium with Flow - from the Generalized Grad-Shafranov Equation to Two-Fluid and Extended MHD Equilibria -
Journal of Plasma and Fusion Research 9211 -2016 832-838
- (56) Ito A., Miura H.
Parameter dependence of two-fluid and finite Larmor radius effects on the Rayleigh-Taylor instability in finite beta plasmas
Physics of Plasmas 2312 -2016 122123
- (57) Itoh K., Itoh S.
A structural bifurcation of transport in toroidal plasmas
Plasma Physics and Controlled Fusion 584 -2016 045017
- (58) Itoh K., Itoh S., Ida K., Kosuga Y.
On Magnetic Signals of a Large-Scale Quasi-electrostatic Perturbation
Journal of the Physical Society of Japan 859 -2016 094504
- (59) Itoh K., Itoh S., Kamiya K., Kobayashi T.
On the width of a pedestal in the H-mode
Nuclear Fusion 572 -2017 022005
- (60) Itoh K., Itoh S., Kobayashi T., Kamiya K., Ido T., Tokuzawa T., Inagaki S., Kasuya N.
On the origin of steep and localized radial electric field in the transport barrier at plasma edge
Contributions to Plasma Physics 566-8 -2016 522-527
- (61) Itoh K., Itoh S., Kosuga Y., Lesur M., Ido T.
Onset condition of the subcritical geodesic acoustic mode instability in the presence of energetic-particle-driven geodesic acoustic mode
Plasma Physics Reports 425 -2016 418-423
- (62) Itoh S., Inagaki S., Dong J., Itoh K.
Approaches to Hysteresis of Transport Relations in Toroidal Plasmas
Plasma and Fusion Research 11Special Issue 1 -2016 2503086

- (63) Iwama N., Ohdachi S.
Lecture Note_Mathematics for Image Reconstruction and Pattern Recognition__2.Mathematical Basics of Image Reconstruction
Journal of Plasma and Fusion Research 9210 -2016 743-762
- (64) Johzaki T., Nagatomo H., Sunahara A., Sentoku Y., Sakagami H., Hata M., Taguchi T., Mima K., Kai Y., Ajimi D., Isoda T., Endo T., Yogo A., Arikawa Y., Fujioka S., Shiraga H., Azechi H.
Integrated simulation of magnetic-field-assist fast ignition laser fusion
Plasma Physics and Controlled Fusion 591 -2017 014045
- (65) Johzaki T., Sentoku Y., Nagatomo H., Sunahara A., Sakagami H., Fujioka S., Shiraga H., Endo T., FIREX G.
Electron beam guiding by external magnetic fields in imploded fuel plasma
Journal of Physics: Conference Series 717 conference 1 -2016 012025
- (66) Kajita S., Yagi T., Kobayashi K., Tokitani M., Ohno N.
Measurement of thermophysical property of plasma forming tungsten nanofiber layer
Japanese Journal of Applied Physics 555 -2016 056203
- (67) Kajita S., Yagi T., Kobayashi K., Tokitani M., Ohno N.
Measurement of heat diffusion across fuzzy tungsten layer
Results in Physics 6 -2016 877-878
- (68) Kaminou Y., Inomoto M., Ono Y., Horiuchi R.
Numerical study of Hall effects on counter-helicity spheromak merging by two-dimensional Hall-MHD simulations
Physics of Plasmas 243 -2017
- (69) Kamitani A., Takayama T., Saitoh A., Nakamura H.
Speedup of Shielding Current Analysis in High-Temperature Superconducting Film: Implementation of H-Matrix Method
Plasma and Fusion Research 11Special Issue 1 -2016 2405041
- (70) Kamiya K., Ida K., Itoh K., Itoh S., Yoshinuma M., Yokoyama M., Kubo S., Tsuchiya H., Tamura N., Masuzaki S., Suzuki C., Akiyama T., LHD experiment group .
Observation of the inward propagation of spontaneous toroidal flow from the plasma boundary in LHD
Physics of Plasmas 2310 -2016 102309
- (71) Kanno R., Nunami M., Satake S., Matsuoka S., Takamaru H.
Development of a Drift-Kinetic Simulation Code for Estimating Collisional Transport Affected by RMPs and Radial Electric Field
Contributions to Plasma Physics 566-8 -2016 592 __ 597
- (72) Kimura Y., Kamada H., Nomura S., Yagai T., Nakamura T., Tsutsui H., Chikaraishi H., Yanagi N., Imagawa S.
Development of a Prototype Winding Machine for Helical Coils Using High-Temperature Superconducting Tapes
IEEE Transactions on Applied Superconductivity 264 -2016 4202104
- (73) Knaster J., Moeslang A., Muroga T.
Materials research for fusion
Nature Physics 125 -2016 424-434
- (74) Kobayashi M., Morita S., Goto M., LHD experiment group .
Space-resolved visible spectroscopy for two-dimensional measurement of hydrogen and impurity emission spectra and of plasma flow in the edge stochastic layer of LHD
Review of Scientific Instruments 883 -2017 033501
- (75) Kobayashi T., Ida K., Itoh K., Yoshinuma M., Moon C., Inagaki S., Yamada I., Funaba H., Yasuhara R., Tsuchiya H., Ohdachi S., Yoshimura Y., Igami H., Shimosuma T., Kubo S., Tsujimura T.
Reconstruction of high temporal resolution Thomson scattering data during a modulated electron cyclotron resonance heating using conditional averaging
Review of Scientific Instruments 874 -2016 043505
- (76) Kobayashi T., Inagaki S., Kosuga Y., Sasaki M., Nagashima Y., Yamada T., Arakawa H., Kasuya N., Fujisawa A., Itoh S., Itoh K.
Structure formation in parallel ion flow and density profiles by cross-ferroic turbulent transport in linear magnetized plasma
Physics of Plasmas 2310 -2016 102311
- (77) Kobayashi T., Itoh K., Ido T., Kamiya K., Itoh S., Miura Y., Nagashima Y., Fujisawa A., Inagaki S., Ida K., Hoshino K.
Experimental Identification of Electric Field Excitation Mechanisms in a Structural Transition of Tokamak Plasmas
Scientific Reports 6 -2016 30720

- (78) Kondo M., Nakajima Y., Tanaka T., Nozawa T., Yokomine T.
Experimental Study on Chemical Behaviors of Non-Metal Impurities in Pb, Pb-Bi and Pb-Li by Temperature Programmed Desorption Mass Spectrometer Analysis
Plasma and Fusion Research 11Special Issue 1 -2016 2405076
- (79) Kubo S., Nishiura M., Tanaka K., Moseev D., Shimozuma T., Yoshimura Y., Igami H., Takahashi H., Tsujimura T., Makino R.
Scattering volume in the collective Thomson scattering measurement using high power gyrotron in the LHD
Journal of Instrumentation 11 -2016 C06005
- (80) Kuwabara T., Tanaka H., Kawamura G., Ohno N., Nishikata H., Kobayashi M., Feng Y.
Modeling of Linear Divertor Plasma Simulator Experiments with Three-dimensional Target Structure by Using EMC3-EIRENE Code
Contributions to Plasma Physics 566-8 -2016 598-603
- (81) Kuzmin A., Zushi H., Takagi I., Sharma S., Hirooka Y., Kobayashi M., Sakamoto M., Hanada K., Onchi T., Oyama Y., Yoshida N., Nakamura K., Fujisawa A., Idei H., Nagashima Y., Hasegawa M., Mishra K.
Hydrogen flux measurements with permeation probes in spherical tokamak QUEST
Vacuum 129 -2016 178-182
- (82) Lee J., Lee S., Yamada I.
Design of practical alignment device in KSTAR Thomson diagnostic
Review of Scientific Instruments 8711 -2016 11E544
- (83) Lee S., Lee J., Yamada I., Park J.
Development of a neural network technique for KSTAR Thomson scattering diagnostics
Review of Scientific Instruments 8711 -2016 11E533
- (84) Lesur M., Itoh K., Ido T., Itoh S., Kosuga Y., Sasaki M., Inagaki S., Osakabe M., Ogawa K., Shimizu A., Ida K.
Nonlinear excitation of subcritical fast ion-driven modes
Nuclear Fusion 565 -2016 056009
- (85) Liu Y., Morita S., Huang X., Oishi T., Goto M., Zhang H.
Up-down asymmetry measurement of tungsten distribution in large helical device using two extreme ultraviolet (EUV) spectrometers
Review of Scientific Instruments 878 -2016 11E308
- (86) Matsuzaki K., Koike S., Yanagi M., Mizuguchi N., Takahashi T.
Influences of Hall Effect on the Magnetohydrodynamic Behavior of Two Axially Colliding Field-Reversed Configurations
Plasma and Fusion Research 11Special Issue 1 -2016 2403097
- (87) Min S., Ogura K., Yambe K., Annaka Y., Gong S., Kawamura J., Miura T., Kubo S., Shimozuma T., Kobayashi S., Okada K.
Experimental Study on W-Band (75 - 110 GHz) Oversized Surface Wave Oscillator Driven by Weakly Relativistic Electron Beams
Plasma and Fusion Research 11Special Issue 1 -2016 2406085
- (88) Mita M., Sakaue H., Kato D., Murakami I., Nakamura N.
Direct Observation of the M1 Transition between the Ground Term Fine Structure Levels of W VIII
Atoms 51 -2017 13
- (89) Miura H., Araki K., Hamba F.
Hall effects and sub-grid-scale modeling in magnetohydrodynamic turbulence simulations
Journal of Computational Physics 316 -2016 385-395
- (90) Moon C., Kaneko T., Itoh K., Ida K., Kobayashi T., Inagaki S., Itoh S., Hatakeyama R.
Effects of radial electric field on suppression of electron-temperature-gradient mode through multiscale nonlinear interactions
Plasma Physics and Controlled Fusion 5810 -2016 105007
- (91) Motojima G., Sakamoto R., Okada H., Nagasaki K., Yamada H., Nakamura Y., Kado S., Kobayashi S., Konoshima S., Minami T., Ohshima S., Yamamoto S., Mizuuchi T., Mutoh T.
Injection barrel with a tapered structure for a low speed and small size cryogenic hydrogen pellet in medium-sized plasma fusion devices
Review of Scientific Instruments 8710 -2016 103503
- (92) Mukai K., Peterson B., Takayama S., Sano R.
In situ calibration of the foil detector for an infrared imaging video bolometer using a carbon evaporation technique
Review of Scientific Instruments 8711 -2016 11E124
- (93) Nagaoka K., Takahashi H., Tanaka K., Osakabe M., Murakami S., Maeta S., Yokoyama M., Fujii K., Nakano H., Yamada H., Takeiri Y., Ida K., Yoshinuma M., LHD experiment group .
Comparison of Ion Internal Transport Barrier Formation between Hydrogen and Helium Dominated Plasmas
Plasma and Fusion Research 11Special Issue 1 -2016 2402106

- (94) Nagasaki K., Nakamura Y., Kamioka S., Igami H., Volpe F., Stange T., Sakamoto K., Okada H., Minami T., Kado S., Kobayashi S., Yamamoto S., Ohshima S., Weir G., Konoshima S., Kenmochi N., Otani Y., Yoshimura Y., Marushchenko N., Mizuuchi T.
Development of Electron Bernstein Emission Diagnostic for Heliotron J
Plasma and Fusion Research 11Special Issue 1 -2016 2402095
- (95) Nagatomo H., Johzaki T., Asahina T., Matsuo K., Sunahara A., Sakagami H., Sano T., Mima K., Morace A., Zhang Z., Fujioka S., Shiraga H., FIREX G.
An optimum design of implosion with external magnetic field for electron beam guiding in fast ignition
Journal of Physics: Conference Series 717conference 1 -2016 012041
- (96) Nagayama Y., Yamaguchi S., Shi Z., Tsuchiya H., Hashimoto S., Ito N., Jiang M., Kuwahara D., Sugito S.
Observation of Electron Density Fluctuations by Using the O-mode Microwave Imaging Reflectometry (O-MIR) in LHD
Plasma and Fusion Research 11Special Issue 1 -2016 2402111
- (97) Nakamura H., Saito S., Ito A., Takayama A.
Tungsten-Surface-Structure Dependence of Sputtering Yield for a Noble Gas
Plasma and Fusion Research 11Special Issue 1 -2016 2401080
- (98) Nakanishi H., Ohsuna M., Ito T., Nonomura M., Imazu S., Emoto M., Iwata C., Yoshida M., Yokota M., Maeno H., Aoyagi M., Ogawa H., Nakamura O., Morita Y., Inoue T., Watanabe K., Ida K., Ishiguro S., Kaneko O.
Remote Device Control and Monitor System for the LHD Deuterium Experiments
Fusion Engineering and Design 112 -2016 778-782
- (99) Nakata M., Honda M., Yoshida M., Urano H., Nunami M., Maeyama S., Watanabe T., Sugama H.
Validation studies of gyrokinetic ITG and TEM turbulence simulations in a JT-60U tokamak using multiple flux matching
Nuclear Fusion 568 -2016 086010
- (100) Nakata M., Nunami M., Sugama H., Watanabe T.
Impact of hydrogen isotope species on microinstabilities in helical plasmas
Plasma Physics and Controlled Fusion 587 -2016 074008.1 - 074008.6
- (101) Namba S., Endo T., Fujino S., Suzuki C., Tamura N.
Development of a cascade arc discharge source for an atmosphere-vacuum interface device
Review of Scientific Instruments 878 -2016 083503
- (102) Nishitani T.
Special Topic Articles: Recent Progress in the Fusion Neutronics 8.Conclusion
Journal of Plasma and Fusion Research 924 -2016 286-287
- (103) Nishitani T.
Special Topic Articles_Recent Progress in the Fusion Neutronics 1. Introduction
Journal of Plasma and Fusion Research 924 -2016 259-260
- (104) Nishitani T., Konno C., Sato S., Ochiai K., Kondo K., Murata I.
Special Topic Articles: Recent Progress in the Fusion Neutronics 4. Neutronics Research at Fusion Neutronics Facilities
Journal of Plasma and Fusion Research 924 -2016 269-273
- (105) Nishitani T., Ogawa K., Nishimura K., Isobe M.
Radiation field estimation for the diagnostic and control components by Monte Carlo neutronics calculations with LHD 3-dimensional modeling
Plasma and Fusion Research 11Special Issue 1 -2016 2405057
- (106) Nishiyama S., Katayama K., Nakano H., Goto M., Sasaki K.
Performance of sheath electric field measurement by saturation spectroscopy in Balmer- γ line of atomic hydrogen
Applied Physics Express 103 -2017 036101
- (107) Noto H., Yamada T., Hishinuma Y., Muroga T.
Development of high strength W/V/Au/ODS-Cu joint using HIP process
Nuclear Materials and Energy 9 -2016 411-415
- (108) Obana T., Tokitani M., Takahata K., Kizu K., Murakami H.
Microstructure observations on butt joint composed of Nb3Sn CIC conductors
Cryogenics 81 -2017 54-59
- (109) Ogawa K., Nishitani T., Isobe M., Sato M., Yokota M., Hayashi H., Kobuchi T., Nishimura T.
Effects of gamma-ray irradiation on electronic and non-electronic equipment of Large Helical Device
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