Katsumi Ida

List of Publications by Year
in descending order

625 papers	13,165 citations	29994 54 h-index	60497 81 g-index
628 all docs	628 docs citations	628 times ranked	2380 citing authors

#	Article	IF	Citations
1	Experimental confirmation of efficient island divertor operation and successful neoclassical transport optimization in Wendelstein 7-X. Nuclear Fusion, 2022, 62, 042022.	1.6	24
2	Recent results from deuterium experiments on the large helical device and their contribution to fusion reactor development. Nuclear Fusion, 2022, 62, 042019.	1.6	25
3	Observation of a reduced-turbulence regime with boron powder injection in a stellarator. Nature Physics, 2022, 18, 350-356.	6.5	19
4	Non-local transport nature revealed by the research in transient phenomena of toroidal plasma. Reviews of Modern Plasma Physics, 2022, 6, 1.	2.2	6
5	Particle control in long-pulse discharge using divertor pumping in LHD. Physica Scripta, 2022, 97, 035601.	1.2	3
6	Confinement improvement during detached phase with RMP application in deuterium plasmas of LHD. Nuclear Fusion, 2022, 62, 056006.	1.6	3
7	Charge exchange spectroscopy using spatial heterodyne spectrometer in the large helical device. Review of Scientific Instruments, 2022, 93, 033503.	0.6	1
8	Direct observation of the non-locality of non-diffusive counter-gradient electron thermal transport during the formation of hollow electron-temperature profiles in the Large Helical Device. Physics of Plasmas, 2022, 29, .	0.7	3
9	Hydrogen isotope effect on self-organized electron internal transport barrier criticality and role of radial electric field in toroidal plasmas. Scientific Reports, 2022, 12, 5507.	1.6	1
10	Turbulence Spreading into an Edge Stochastic Magnetic Layer Induced by Magnetic Fluctuation and Its Impact on Divertor Heat Load. Physical Review Letters, 2022, 128, 125001.	2.9	6
11	Data-Driven Control for Radiative Collapse Avoidance in Large Helical Device. Plasma and Fusion Research, 2022, 17, 2402042-2402042.	0.3	0
12	Application of Dual Frequency Comb Method as an Approach to Improve the Performance of Multi-Frequency Simultaneous Radiation Doppler Radar for High Temperature Plasma Diagnostics. Applied Sciences (Switzerland), 2022, 12, 4744.	1.3	5
13	Real-time wall conditioning and recycling modification utilizing boron and boron nitride powder injections into the Large Helical Device. Nuclear Fusion, 2022, 62, 086021.	1.6	7
14	Preceding propagation of turbulence pulses at avalanche events in a magnetically confined plasma. Scientific Reports, 2022, 12, 6979.	1.6	4
15	Effects of core stochastization on particle and momentum transport. Nuclear Fusion, 2021, 61, 034002.	1.6	5
16	Data-Driven Approach on the Mechanism of Radiative Collapse in the Large Helical Device. Plasma and Fusion Research, 2021, 16, 2402010-2402010.	0.3	1
17	Method for estimating the frequency-wavenumber resolved power spectrum density using the maximum entropy method for limited spatial points. Plasma Physics and Controlled Fusion, 2021, 63, 045011.	0.9	2
18	Linear MHD analyses of locked-mode-like instabilities in LHD. Nuclear Fusion, 2021, 61, 046005.	1.6	2

#	Article	IF	Citations
19	Correlation Analysis between Density and Magnetic Field Low Frequency Fluctuations in Improved Confinement Mode on LHD. Plasma and Fusion Research, 2021, 16, 2402031-2402031.	0.3	1
20	W-band millimeter-wave back-scattering system for high wavenumber turbulence measurements in LHD. Review of Scientific Instruments, 2021, 92, 043536.	0.6	11
21	Analysis of the Motional Stark Effect (MSE) diagnostic to measure the rotational transform and current profile in the Large Helical Device. Review of Scientific Instruments, 2021, 92, 053503.	0.6	2
22	Measurements of radial profile of isotope density ratio using bulk charge exchange spectroscopy. Review of Scientific Instruments, 2021, 92, 063509.	0.6	0
23	A new multi-tracer pellet injection for a simultaneous study of low- and mid/high-Z impurities in high-temperature plasmas. Review of Scientific Instruments, 2021, 92, 063516.	0.6	1
24	Isotope effects on transport in LHD. Plasma Physics and Controlled Fusion, 2021, 63, 094001.	0.9	7
25	Ion temperature clamping in Wendelstein 7-X electron cyclotron heated plasmas. Nuclear Fusion, 2021, 61, 116072.	1.6	27
26	Demonstration of reduced neoclassical energy transport in Wendelstein 7-X. Nature, 2021, 596, 221-226.	13.7	69
27	Simultaneous Observation of Silicon and Boron Impurity Behaviors in the Core Region of a Mid-Density LHD Plasma. Plasma and Fusion Research, 2021, 16, 1202094-1202094.	0.3	0
28	Effects of electron cyclotron heating on the toroidal flow in LHD plasmas. Physics of Plasmas, 2021, 28, 102501.	0.7	1
29	Characteristics of plasma parameters and turbulence in the isotope-mixing and the non-mixing states in hydrogenâ€“deuterium mixture plasmas in the large helical device. Nuclear Fusion, 2021, 61, 016012.	1.6	12
30	External RMP effect on locked-mode-like instability in helical plasmas. Nuclear Fusion, 2021, 61, 026011.	1.6	3
31	Non-resonant global mode in LHD partial collapse with net toroidal current. Nuclear Fusion, 2021, 61, 126056.	1.6	2
32	Impact of Magnetic Field Configuration on Heat Transport in Stellarators and Heliotrons. Physical Review Letters, 2021, 127, 225001.	2.9	8
33	On the interplay between MHD instabilities and turbulent transport in magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 014008.	0.9	15
34	Application of LHD Post Data Analysis Systems to the KSTAR Project. Fusion Engineering and Design, 2020, 155, 111665.	1.0	0
35	Bifurcation phenomena in magnetically confined toroidal plasmas. Advances in Physics: X, 2020, 5, 1801354.	1.5	6
36	First impurity powder injection experiments in LHD. Nuclear Materials and Energy, 2020, 25, 100842.	0.6	17

#	Article	IF	Citations
37	Effect of ECH/ECCD on energetic-particle-driven MHD modes in helical plasmas. Nuclear Fusion, 2020, 60, 066018.	1.6	19
38	Extended investigations of isotope effects on ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2020, 62, 024006.	0.9	10
39	Electron temperature profile collapse induced by double-odd-parity MHD mode in the Large Helical Device. Nuclear Fusion, 2020, 60, 036017.	1.6	1
40	Formation of radially elongated flow leading to onset of type-III edge localized modes in toroidal plasmas. Nuclear Fusion, 2020, 60, 046021.	1.6	9
41	Transition between Isotope-Mixing and Nonmixing States in Hydrogen-Deuterium Mixture Plasmas. Physical Review Letters, 2020, 124, 025002.	2.9	18
42	Effect of the Pfirschâ€“SchlÃ¼ter flow on the inboard/outboard asymmetry of the toroidal flow in LHD. Physics of Plasmas, 2020, 27, .	0.7	2
43	Two-dimensional beam emission spectroscopy for hydrogen isotope negative neutral beam in Large Helical Device. Plasma Physics and Controlled Fusion, 2020, 62, 125011.	0.9	7
44	Isotope effect in transient electron thermal transport property and its impact on the electron internal transport barrier formation in LHD. Nuclear Fusion, 2020, 60, 076015.	1.6	7
45	Prediction of Radiative Collapse in Large Helical Device Using Feature Extraction by Exhaustive Search. Journal of Fusion Energy, 2020, 39, 500-511.	0.5	3
46	Transient Electron Thermal Transport Analysis Accounting Oblique Electron Cyclotron Resonance Heating Injection to Magnetic Field Line. Plasma and Fusion Research, 2020, 15, 1402072-1402072.	0.3	2
47	Asymmetry of parallel flow on the Large Helical Device. Nuclear Fusion, 2019, 59, 106036.	1.6	3
48	Recent ECRH/ECCD experiments aiming for higher density and temperature operations in the LHD. EPJ Web of Conferences, 2019, 203, 02001.	0.1	8
49	Performance of Wendelstein 7-X stellarator plasmas during the first divertor operation phase. Physics of Plasmas, 2019, 26, .	0.7	83
50	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	1.6	165
51	Study of slowing down mechanism of locked-mode-like instability in helical plasmas. Nuclear Fusion, 2019, 59, 066036.	1.6	8
52	Summary of the 27th IAEA Fusion Energy Conference in the categories of EX/W, EX/D, and ICC. Nuclear Fusion, 2019, 59, 117001.	1.6	5
53	Transport characteristics of deuterium and hydrogen plasmas with ion internal transport barrier in the Large Helical Device. Nuclear Fusion, 2019, 59, 106002.	1.6	11
54	Characteristics of tongue-shaped deformations in hydrogen and deuterium plasmas in the Large Helical Device. Nuclear Fusion, 2019, 59, 106041.	1.6	4

#	Article	IF	Citations
55	Spatial structure of low-frequency fluctuations throughout the transition of poloidal flow velocity in edge plasmas of LHD. Physics of Plasmas, 2019, 26, 092302.	0.7	0
56	Isotope effects on energy, particle transport and turbulence in electron cyclotron resonant heating plasma of the Large Helical Device. Nuclear Fusion, 2019, 59, 126040.	1.6	16
57	Isotope Effect on Energy Confinement Time and Thermal Transport in Neutral-Beam-Heated Stellarator-Heliotron Plasmas. Physical Review Letters, 2019, 123, 185001.	2.9	28
58	Dependence of the resonant magnetic perturbation penetration threshold on plasma parameters and ions in helical plasmas. Nuclear Fusion, 2019, 59, 086049.	1.6	2
59	Measurements of radial profile of hydrogen and deuterium density in isotope mixture plasmas using bulk charge exchange spectroscopy. Review of Scientific Instruments, 2019, 90, 093503.	0.6	10
60	Effect of energy dependent cross-section on flow velocity measurements with charge exchange spectroscopy in magnetized plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1293-1299.	0.9	5
61	Definition of the profile gain factor and its application for internal transport barrier analysis in torus plasmas. Plasma Physics and Controlled Fusion, 2019, 61, 085005.	0.9	5
62	Verification of Carbon Density Profile Measurements with Charge Exchange Spectroscopy Using Hydrogen and Deuterium Neutral Beams. Plasma and Fusion Research, 2019, 14, 1402079-1402079.	0.3	5
63	Summary of the 8th Asia-Pacific Transport Working Group (APTWG) Meeting. Nuclear Fusion, 2019, 59, 047001.	1.6	1
64	Overview of HL-2A recent experiments. Nuclear Fusion, 2019, 59, 112017.	1.6	27
65	The isotope effect on impurities and bulk ion particle transport in the Large Helical Device. Nuclear Fusion, 2019, 59, 056029.	1.6	13
66	Multi-Channel Scanning Filter Spectrometer for the Beam Emission Spectroscopy. Plasma and Fusion Research, 2019, 14, 1305118-1305118.	0.3	2
67	Isotope effects in self-organization of internal transport barrier and concomitant edge confinement degradation in steady-state LHD plasmas. Scientific Reports, 2019, 9, 15913.	1.6	10
68	Response of a core coherent density oscillation on electron cyclotron resonance heating in Heliotron J plasma. Physics of Plasmas, 2018, 25, 012513.	0.7	0
69	Trigger mechanism for the abrupt loss of energetic ions in magnetically confined plasmas. Scientific Reports, 2018, 8, 2804.	1.6	11
70	Internal transport barrier in tokamak and helical plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 033001.	0.9	70
71	Quantification of Turbulent Driving Forces for the Geodesic Acoustic Mode in the JFT-2M Tokamak. Physical Review Letters, 2018, 120, 045002.	2.9	18
72	Particle fueling experiments with a series of pellets in LHD. Plasma Physics and Controlled Fusion, 2018, 60, 035006.	0.9	7

#	Article	IF	Citations
73	Exhaust of turbulence cloud at the tongue shaped deformation event. Nuclear Fusion, 2018, 58, 112008.	1.6	1
74	The 7th Asia-Pacific Transport Working Group (APTWG) meeting. Nuclear Fusion, 2018, 58, 017001.	1.6	2
75	Role of electric field curvature in the formation of edge transport barrier in the JT-60U tokamak. Plasma Physics and Controlled Fusion, 2018, 60, 014023.	0.9	3
76	Pioneering work before becoming mainstream research. AIP Conference Proceedings, 2018, , .	0.3	0
77	Observation of the Spatial Profile of Deuterium/Hydrogen Ratio Using Bulk Charge Exchange Emission. Plasma and Fusion Research, 2018, 13, 1202103-1202103.	0.3	8
78	Effect of Electron Cyclotron Current Drive on the Ion Temperature in the Plasma Core Region of the Large Helical Device. Plasma and Fusion Research, 2018, 13, 1402124-1402124.	0.3	0
79	Poloidal Flow Velocity Measurement in High-Density NBI Plasmas of Heliotron J. Plasma and Fusion Research, 2018, 13, 1202077-1202077.	0.3	3
80	Microwave frequency comb Doppler reflectometer applying fast digital data acquisition system in LHD. Review of Scientific Instruments, 2018, 89, 10H118.	0.6	17
81	Density dependence of transient electron thermal transport property in LHD. Nuclear Fusion, 2018, 58, 126031.	1.6	5
82	Realization of high T i plasmas and confinement characteristics of ITB plasmas in the LHD deuterium experiments. Nuclear Fusion, 2018, 58, 106028.	1.6	39
83	Carbon impurities behavior and its impact on ion thermal confinement in high-ion-temperature deuterium discharges on the Large Helical Device. Plasma Physics and Controlled Fusion, 2018, 60, 074005.	0.9	12
84	Energy confinement of hydrogen and deuterium electron-root plasmas in the Large Helical Device. Nuclear Fusion, 2018, 58, 106025.	1.6	9
85	Improvement of Automatic Physics Data Analysis Environment for the LHD Experiment. Fusion Science and Technology, 2018, 74, 161-166.	0.6	4
86	Hysteresis Relation between Turbulence and Temperature Modulation during the Heat Pulse Propagation into a Magnetic Island in DIII-D. Physical Review Letters, 2018, 120, 245001.	2.9	38
87	Comparison of Rotation of Interchange Mode in Large Helical Device Plasmas with Various Ion Species. Plasma and Fusion Research, 2018, 13, 3402037-3402037.	0.3	0
88	A comprehensive study on impurity behavior in LHD long pulse discharges. Nuclear Materials and Energy, 2017, 12, 124-132.	0.6	4
89	Overview of recent HL-2A experiments. Nuclear Fusion, 2017, 57, 102013.	1.6	26
90	Observation of subcritical geodesic acoustic mode excitation in the large helical device. Nuclear Fusion, 2017, 57, 072009.	1.6	2

#	Article	IF	Citations
91	Distorted magnetic island formation during slowing down to mode locking in helical plasmas. Nuclear Fusion, 2017, 57, 076003.	1.6	3
92	The effect of transient density profile shaping on transport in large stellarators and heliotrons. Nuclear Fusion, 2017, 57, 066016.	1.6	7
93	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	1.6	128
94	Intrinsic rotation reversal, non-local transport, and turbulence transition in KSTAR L-mode plasmas. Nuclear Fusion, 2017, 57, 066040.	1.6	19
95	Model validation for radial electric field excitation during Lâ€“H transition in JFT-2M tokamak. Nuclear Fusion, 2017, 57, 072005.	1.6	2
96	Strong suppression of impurity accumulation in steady-state hydrogen discharges with high power NBI heating on LHD. Nuclear Fusion, 2017, 57, 056003.	1.6	13
97	Observation of the ECH effect on the impurity accumulation in the LHD. Physics of Plasmas, 2017, 24, 056118.	0.7	5
98	Extension of high-beta plasma operation to low-collisionality regime. Nuclear Fusion, 2017, 57, 066007.	1.6	7
99	A motional Stark effect diagnostic analysis routine for improved resolution of iota in the core of the large helical device. Review of Scientific Instruments, 2017, 88, 093518.	0.6	5
100	Collisionality dependence and ion species effects on heat transport in He and H plasma, and the role of ion scale turbulence in LHD. Nuclear Fusion, 2017, 57, 116005.	1.6	15
101	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	1.6	116
102	Novel analysis technique for measuring edge density fluctuation profiles with reflectometry in the Large Helical Device. Review of Scientific Instruments, 2017, 88, 073509.	0.6	4
103	Turbulent transport reduction induced by transition on radial electric field shear and curvature through amplitude and cross-phase in torus plasma. Scientific Reports, 2017, 7, 14971.	1.6	23
104	Observations of sustained phase shifted magnetic islands from externally imposedm/nâ€‰â€‰=â€‰â€‰1/1 RMP in LHD. Nuclear Fusion, 2017, 57, 076024.	1.6	5
105	Analysis of higher harmonics on bidirectional heat pulse propagation experiment in helical and tokamak plasmas. Nuclear Fusion, 2017, 57, 076013.	1.6	5
106	Extended capability of the integrated transport analysis suite, TASK3D-a, for LHD experiment. Nuclear Fusion, 2017, 57, 126016.	1.6	28
107	Extension of operational regime in high-temperature plasmas and effect of ECRH on ion thermal transport in the LHD. Nuclear Fusion, 2017, 57, 086029.	1.6	17
108	Observation of distorted Maxwell-Boltzmann distribution of epithermal ions in LHD. Physics of Plasmas, 2017, 24, 122502.	0.7	10

#	Article	IF	Citations
109	Response of plasma toroidal flow to the transition between nested and stochastic magnetic field in LHD. Nuclear Fusion, 2017, 57, 076032.	1.6	3
110	Implementation of Neoclassical Effects in Momentum Transport Analysis at LHD. Plasma and Fusion Research, 2017, 12, 1402006-1402006.	0.3	1
111	Method for Estimating Harmonic Frequency Dependence of Diffusion Coefficient and Convective Velocity in Heat Pulse Propagation Experiment. Journal of the Physical Society of Japan, 2017, 86, 074501.	0.7	2
112	Experimental Study on Slowing-Down Mechanism of Locked-Mode-Like Instability in LHD. Plasma and Fusion Research, 2017, 12, 1402028-1402028.	0.3	5
113	Observation of the bulk ion density peaking in a discharge with an impurity hole in the LHD. Nuclear Fusion, 2017, 57, 076040.	1.6	5
114	Hysteresis and fast timescales in transport relations of toroidal plasmas. Nuclear Fusion, 2017, 57, 102021.	1.6	7
115	Beam emission spectroscopy with radially and poloidally elongated optical sightlines. Review of Scientific Instruments, 2016, 87, 11E559.	0.6	1
116	Helium transport in the core and stochastic edge layer in LHD. Plasma Physics and Controlled Fusion, 2016, 58, 074010.	0.9	6
117	Observation of the inward propagation of spontaneous toroidal flow from the plasma boundary in LHD. Physics of Plasmas, 2016, 23, .	0.7	5
118	Impact of magnetic topology on radial electric field profile in the scrape-off layer of the Large Helical Device. Nuclear Fusion, 2016, 56, 092002.	1.6	8
119	Dynamics of three-dimensional radiative structures during RMP assisted detached plasmas on the large helical device and its comparison with EMC3-EIRENE modeling. Nuclear Fusion, 2016, 56, 046002.	1.6	13
120	Ion internal transport barrier in neutral beam heated plasmas on HL-2A. Nuclear Fusion, 2016, 56, 056003.	1.6	44
121	Nonlinear excitation of subcritical fast ion-driven modes. Nuclear Fusion, 2016, 56, 056009.	1.6	7
122	Reconstruction of high temporal resolution Thomson scattering data during a modulated electron cyclotron resonance heating using conditional averaging. Review of Scientific Instruments, 2016, 87, 043505.	0.6	21
123	Modeling of helium transport and exhaust in the LHD edge. Plasma Physics and Controlled Fusion, 2016, 58, 124006.	0.9	6
124	On Magnetic Signals of a Large-Scale Quasi-electrostatic Perturbation. Journal of the Physical Society of Japan, 2016, 85, 094504.	0.7	5
125	Effects of radial electric field on suppression of electron-temperature-gradient mode through multiscale nonlinear interactions. Plasma Physics and Controlled Fusion, 2016, 58, 105007.	0.9	0
126	Enhancement of helium exhaust by resonant magnetic perturbation fields at LHD and TEXTOR. Nuclear Fusion, 2016, 56, 106011.	1.6	15

#	Article	IF	Citations
127	Remote device control and monitor system for the LHD deuterium experiments. Fusion Engineering and Design, 2016, 112, 778-782.	1.0	2
128	Toroidal rotation profile structure in KSTAR L-mode plasmas with mixed heating by NBI and ECH. Nuclear Fusion, 2016, 56, 016014.	1.6	6
129	Isotope effects on particle transport in the Compact Helical System. Plasma Physics and Controlled Fusion, 2016, 58, 055011.	0.9	15
130	Strong Destabilization of Stable Modes with a Half-Frequency Associated with Chirping Geodesic Acoustic Modes in the Large Helical Device. Physical Review Letters, 2016, 116, 015002.	2.9	36
131	Nonlinear Excitation of Subcritical Instabilities in a Toroidal Plasma. Physical Review Letters, 2016, 116, 015003.	2.9	24
132	Abrupt onset of tongue deformation and phase space response of ions in magnetically-confined plasmas. Scientific Reports, 2016, 6, 36217.	1.6	23
133	Mitigation of the tracer impurity accumulation by EC heating in the LHD. Plasma Physics and Controlled Fusion, 2016, 58, 114003.	0.9	5
134	Measurement of Spatiotemporal Structures of Density Fluctuations Using Two-Directional Beam Emission Spectroscopy in LHD. Plasma and Fusion Research, 2016, 11, 1402115-1402115.	0.3	3
135	Comparison of Ion Internal Transport Barrier Formation between Hydrogen and Helium Dominated Plasmas. Plasma and Fusion Research, 2016, 11, 2402106-2402106.	0.3	4
136	Experimental Identification of Electric Field Excitation Mechanisms in a Structural Transition of Tokamak Plasmas. Scientific Reports, 2016, 6, 30720.	1.6	15
137	Bifurcation physics of magnetic islands and stochasticity explored by heat pulse propagation studies in toroidal plasmas. Nuclear Fusion, 2016, 56, 092001.	1.6	15
138	Development of beam emission spectroscopy for turbulence transport study in Heliotron J. Review of Scientific Instruments, 2016, 87, 11E519.	0.6	3
139	Overview of the LHD central control room data monitoring environment. Fusion Engineering and Design, 2016, 112, 814-817.	1.0	0
140	MyView2, a new visualization software tool for analysis of LHD data. Fusion Engineering and Design, 2016, 104, 56-60.	1.0	2
141	Real-Time Data Streaming and Storing Structure for the LHDâ€™s Fusion Plasma Experiments. IEEE Transactions on Nuclear Science, 2016, 63, 222-227.	1.2	9
142	Plasma flow, turbulence and magnetic islands in TJ-II. Nuclear Fusion, 2016, 56, 026011.	1.6	39
143	Development and application of a ray-tracing code integrating with 3D equilibrium mapping in LHD ECH experiments. Nuclear Fusion, 2015, 55, 123019.	1.6	43
144	Measurement of radial profiles of density ratio of helium to hydrogen ion using charge exchange spectroscopy with two-wavelength spectrometer. Review of Scientific Instruments, 2015, 86, 123514.	0.6	11

#	Article	IF	Citations
145	Self-regulated oscillation of transport and topology of magnetic islands in toroidal plasmas. Scientific Reports, 2015, 5, 16165.	1.6	27
146	Experimental observation of response to resonant magnetic perturbation and its hysteresis in LHD. Nuclear Fusion, 2015, 55, 073004.	1.6	6
147	Development of the Heating Scenarios to Achieve High-Ion Temperature Plasma in the Large Helical Device. Plasma and Fusion Research, 2015, 10, 1402001-1402001.	0.3	7
148	Study of Nonlinear Behavior of Low-Frequency MHD Mode Caused by Transition of Radial Electric Field in LHD. Plasma and Fusion Research, 2015, 10, 3402053-3402053.	0.3	3
149	Neoclassical plasma viscosity and transport processes in non-axisymmetric tori. Nuclear Fusion, 2015, 55, 125001.	1.6	80
150	Integrated discharge scenario for high-temperature helical plasma in LHD. Nuclear Fusion, 2015, 55, 113020.	1.6	37
151	3D effects of edge magnetic field configuration on divertor/scrape-off layer transport and optimization possibilities for a future reactor. Nuclear Fusion, 2015, 55, 104021.	1.6	23
152	Topology bifurcation of a magnetic flux surface in toroidal plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 014036.	0.9	6
153	Edge plasma dynamics during L-H transition in the JFT-2M tokamak. Nuclear Fusion, 2015, 55, 063009.	1.6	10
154	Integrated transport simulations of high ion temperature plasmas of LHD. Plasma Physics and Controlled Fusion, 2015, 57, 054009.	0.9	14
155	Impact of 3D magnetic field structure on boundary and divertor plasmas in stellarator/heliotron devices. Journal of Nuclear Materials, 2015, 463, 2-10.	1.3	6
156	Towards an emerging understanding of non-locality phenomena and non-local transport. Nuclear Fusion, 2015, 55, 013022.	1.6	66
157	APTWG: The 4th Asia-Pacific Transport Working Group Meeting. Nuclear Fusion, 2015, 55, 017001.	1.6	5
158	Ion temperature and toroidal velocity edge transport barriers in KSTAR. Nuclear Fusion, 2015, 55, 083013.	1.6	13
159	New concepts of transport physics in toroidal plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 044007.	0.9	4
160	Microtearing mode (MTM) turbulence in JIPPT-IIU tokamak plasmas. Nuclear Fusion, 2015, 55, 043008.	1.6	9
161	Abrupt reversal of convective flow of carbon impurity during impurity-hole formation on the LHD. Nuclear Fusion, 2015, 55, 083017.	1.6	14
162	Flow damping due to stochastization of the magnetic field. Nature Communications, 2015, 6, 5816.	5.8	28

#	Article	IF	Citations
163	Overview of transport and MHD stability study: focusing on the impact of magnetic field topology in the Large Helical Device. Nuclear Fusion, 2015, 55, 104018.	1.6	10
164	Characteristics of MHD instabilities limiting the beta value in LHD. Nuclear Fusion, 2015, 55, 083020.	1.6	15
165	Impact of carbon impurities on the confinement of high-ion-temperature discharges in the Large Helical Device. Plasma Physics and Controlled Fusion, 2014, 56, 095011.	0.9	24
166	Observation of multi-scale turbulence and non-local transport in LHD plasmas. Physics of Plasmas, 2014, 21, 055904.	0.7	20
167	Study of non-linear coupling of fluctuations at long distance in LHD. Nuclear Fusion, 2014, 54, 114014.	1.6	12
168	Rotation and momentum transport in tokamaks and helical systems. Nuclear Fusion, 2014, 54, 045001.	1.6	68
169	Explicit approximations to estimate the perturbative diffusivity in the presence of convectivity and damping. III. Cylindrical approximations for heat waves traveling inwards. Physics of Plasmas, 2014, 21, 112509.	0.7	3
170	Rotation characteristics during the resonant magnetic perturbation induced edge localized mode suppression on the KSTAR. Review of Scientific Instruments, 2014, 85, 11E413.	0.6	11
171	Explicit approximations to estimate the perturbative diffusivity in the presence of convectivity and damping. I. Semi-infinite slab approximations. Physics of Plasmas, 2014, 21, 112507.	0.7	14
172	Explicit approximations to estimate the perturbative diffusivity in the presence of convectivity and damping. II. Semi-infinite cylindrical approximations. Physics of Plasmas, 2014, 21, 112508.	0.7	4
173	Realtime data streaming and storing structure for LHD's fusion plasma experiments. , 2014, , .		0
174	Extension of high Te regime with upgraded electron cyclotron resonance heating system in the Large Helical Device. Physics of Plasmas, 2014, 21, .	0.7	30
175	Quasilinear carbon transport in an impurity hole plasma in LHD. Physics of Plasmas, 2014, 21, .	0.7	35
176	High spatial and temporal resolution charge exchange recombination spectroscopy on the HL-2A tokamak. Review of Scientific Instruments, 2014, 85, 103503.	0.6	36
177	Edge Radial Electric Field Formation after the Lâ€H Transition on JTâ€60U. Contributions To Plasma Physics, 2014, 54, 591-598.	0.5	7
178	The 3rd Asiaâ€“Pacific Transport Working Group (APTWG) Meeting. Nuclear Fusion, 2014, 54, 047001.	1.6	8
179	Special issue of the 14th International Workshop on H-mode Physics and Transport Barriers (Fukuoka,) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	0
180	Dynamics of edge limit cycle oscillation in the JFT-2M Tokamak. Nuclear Fusion, 2014, 54, 073017.	1.6	30

#	Article	IF	Citations
181	Mitigation of large amplitude edge-localized modes by resonant magnetic perturbations on LHD. Nuclear Fusion, 2014, 54, 033001.	1.6	9
182	Automatically processing physical data from LHD experiments. Fusion Engineering and Design, 2014, 89, 758-760.	1.0	7
183	Integration of Large-Scale Simulations and Numerical Modelling Tools in Close Link with the LHD Experiment. Plasma and Fusion Research, 2014, 9, 3402017-3402017.	0.3	4
184	Higher Harmonics in the Perturbative Transport Study in TJ-II ECH Plasma. Plasma and Fusion Research, 2014, 9, 1202052-1202052.	0.3	15
185	Plasma Diagnostics with Tracer-Encapsulated Solid Pellet. Plasma and Fusion Research, 2014, 9, 1402039-1402039.	0.3	6
186	<i>Ka</i>-band Microwave Frequency Comb Doppler Reflectometer System for the Large Helical Device. Plasma and Fusion Research, 2014, 9, 1402149-1402149.	0.3	20
187	Electron Bernstein wave heating by electron cyclotron wave injection from the high-field side in LHD. Nuclear Fusion, 2013, 53, 063004.	1.6	7
188	Investigation of radial electric field in the edge region and magnetic field structure in the Large Helical Device. Plasma Physics and Controlled Fusion, 2013, 55, 124042.	0.9	5
189	3D plasma response to the magnetic field structure in the Large Helical Device. Nuclear Fusion, 2013, 53, 073045.	1.6	15
190	Characterization of edge radial electric field structures in the Large Helical Device and their viability for determining the location of the plasma boundary. Nuclear Fusion, 2013, 53, 013003.	1.6	18
191	3-D effects on viscosity and generation of toroidal and poloidal flows in LHD. Physics of Plasmas, 2013, 20, .	0.7	10
192	Topology bifurcation of a magnetic flux surface in magnetized plasmas. New Journal of Physics, 2013, 15, 013061.	1.2	19
193	Development and application of real-time magnetic coordinate mapping system in the Large Helical Device. Plasma Physics and Controlled Fusion, 2013, 55, 014016.	0.9	38
194	Extension of the operational regime in high-temperature plasmas and the dynamic-transport characteristics in the LHD. Nuclear Fusion, 2013, 53, 073034.	1.6	26
195	Response of MHD stability to resonant magnetic perturbation in the Large Helical Device. Nuclear Fusion, 2013, 53, 043010.	1.6	21
196	Modification of the magnetic field structure of high-beta plasmas with a perturbation field in the Large Helical Device. Plasma Physics and Controlled Fusion, 2013, 55, 014014.	0.9	7
197	How is turbulence intensity determined by macroscopic variables in a toroidal plasma?. Nuclear Fusion, 2013, 53, 113006.	1.6	65
198	ECH effects on toroidal rotation: KSTAR experiments, intrinsic torque modelling and gyrokinetic stability analyses. Nuclear Fusion, 2013, 53, 113031.	1.6	18

#	Article	IF	Citations
199	An overview of intrinsic torque and momentum transport bifurcations in toroidal plasmas. Nuclear Fusion, 2013, 53, 104019.	1.6	89
200	Inter-machine validation study of neoclassical transport modelling in medium- to high-density stellarator-heliotron plasmas. Nuclear Fusion, 2013, 53, 063022.	1.6	40
201	An overview of KSTAR results. Nuclear Fusion, 2013, 53, 104005.	1.6	45
202	Spatiotemporal Structures of Edge Limit-Cycle Oscillation before L-to-H Transition in the JFT-2M Tokamak. Physical Review Letters, 2013, 111, 035002.	2.9	102
203	Reversal of Intrinsic Torque Associated with the Formation of an Internal Transport Barrier. Physical Review Letters, 2013, 111, .	2.9	19
204	Dynamic transport study of heat and momentum transport in a plasma with improved ion confinement in the Large Helical Device. Plasma Physics and Controlled Fusion, 2013, 55, 014011.	0.9	9
205	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	1.6	35
206	Effects of Resonant Magnetic Perturbation on Particle Transport in LHD. Plasma and Fusion Research, 2013, 8, 2402141-2402141.	0.3	2
207	Development of Integrated Transport Analysis Suite for LHD Plasmas Towards Transport Model Validation and Increased Predictability. Plasma and Fusion Research, 2013, 8, 2403016-2403016.	0.3	14
208	Higher Harmonics in a Perturbative Transport Experiment. Plasma and Fusion Research, 2013, 8, 1202173-1202173.	0.3	12
209	New Method of Analysis for Dynamical Transport. Plasma and Fusion Research, 2013, 8, 1202172-1202172.	0.3	8
210	Rotation of Interchange Instability in the Large Helical Device. Plasma and Fusion Research, 2013, 8, 1402123-1402123.	0.3	12
211	A Plan for a Fast-Ion D-Alpha (FIDA) Measurement for JT-60SA. Plasma and Fusion Research, 2013, 8, 2402108-2402108.	0.3	0
212	On influences of long-range fluctuations on transport in Large Helical Device plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 095016.	0.9	17
213	Microwave Doppler reflectometer system in LHD. Review of Scientific Instruments, 2012, 83, 10E322.	0.6	35
214	Fluctuations with long-distance correlation in quasi-stationary and transient plasmas of LHD. Nuclear Fusion, 2012, 52, 023022.	1.6	13
215	1st Asia-Pacific Transport Working Group (APTWG) Meeting. Nuclear Fusion, 2012, 52, 027001.	1.6	3
216	Mode locking phenomena observed near the stability boundary of the ideal interchange mode of LHD. Nuclear Fusion, 2012, 52, 102001.	1.6	30

#	Article	IF	Citations
217	Bi-Coherence Analysis of Fluctuations with Long Distance Correlation in Toroidal Plasmas. Journal of the Physical Society of Japan, 2012, 81, 034501.	0.7	6
218	Effects of Electron-Cyclotron-Resonance-Heating-Induced Internal Kink Mode on the Toroidal Rotation in the KSTAR Tokamak. Physical Review Letters, 2012, 109, 195003.	2.9	45
219	Self-nonlinear coupling of long-range temperature fluctuation in Toroidal plasma. Plasma Physics and Controlled Fusion, 2012, 54, 115004.	0.9	3
220	Application of virtual machine technology to real-time mapping of Thomson scattering data to flux coordinates for the LHD. Fusion Engineering and Design, 2012, 87, 2076-2080.	1.0	4
221	Modifications to the edge radial electric field by angular momentum injection in JT-60U and their implication for pedestal transport. Nuclear Fusion, 2012, 52, 114010.	1.6	10
222	Reduction of Ion Thermal Diffusivity Inside a Magnetic Island in JT-60U Tokamak Plasma. Physical Review Letters, 2012, 109, 065001.	2.9	46
223	Progress of ECRH by EBW in over-dense plasmas and controlling the confinement regime by ECCD with high power launching in LHD. EPJ Web of Conferences, 2012, 32, 02006.	0.1	3
224	ECCD Experiment Using an Upgraded ECH System on LHD. Plasma and Fusion Research, 2012, 7, 2402020-2402020.	0.3	5
225	Performance Improvement in Real-Time Mapping of Thomson Scattering Data to Flux Coordinates in LHD. Plasma and Fusion Research, 2012, 7, 2405058-2405058.	0.3	6
226	Direct extrapolation of radial profile data to a self-ignited fusion reactor based on the gyro-Bohm model. Fusion Engineering and Design, 2011, 86, 2879-2885.	1.0	24
227	Detection of the kinetic geodesic acoustic mode (KGAM) near the centre region of JIPPT-IIU tokamak plasmas. Nuclear Fusion, 2011, 51, 033005.	1.6	9
228	Observation of Long-Distance Radial Correlation in Toroidal Plasma Turbulence. Physical Review Letters, 2011, 107, 115001.	2.9	72
229	Influence of $\hat{I}^2$ on the self-similarity properties of LHD edge fluctuations. Plasma Physics and Controlled Fusion, 2011, 53, 095010.	0.9	8
230	Verification of wavelet analysis for a heat pulse propagation experiment. Plasma Physics and Controlled Fusion, 2011, 53, 095012.	0.9	6
231	Coupling between long-range toroidal correlations and radial transport in the TJ-II boundary plasma. Nuclear Fusion, 2011, 51, 063025.	1.6	7
232	Spatio-temporal structure of the edge radial electric field during H-mode in JT-60U. Nuclear Fusion, 2011, 51, 053009.	1.6	14
233	Improvement of Plasma Performance Using Carbon Pellet Injection in Large Helical Device. Plasma Science and Technology, 2011, 13, 290-296.	0.7	6
234	Experimental study of the poloidal flow effect on magnetic island dynamics in LHD and TJ-II. Nuclear Fusion, 2011, 51, 083030.	1.6	30

#	Article	IF	Citations
235	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. Nuclear Fusion, 2011, 51, 083022.	1.6	39
236	Potential fluctuation associated with the energetic-particle-induced geodesic acoustic mode in the Large Helical Device. Nuclear Fusion, 2011, 51, 073046.	1.6	26
237	Long Range Temperature Fluctuation in LHD. Plasma and Fusion Research, 2011, 6, 1402017-1402017.	0.3	9
238	Interplay between Particle Momentum and Heat Transport. Fusion Science and Technology, 2010, 58, 150-159.	0.6	0
239	Experimental Study on Nonlocality of Heat Transport in LHD. Fusion Science and Technology, 2010, 58, 122-130.	0.6	4
240	Improvement of Plasma Core Confinement Via Electron-Root Realization by Strongly Focused ECRH in LHD: Core Electron-Root Confinement. Fusion Science and Technology, 2010, 58, 38-45.	0.6	6
241	MHD Modes Destabilized by Energetic Ions on LHD. Fusion Science and Technology, 2010, 58, 186-193.	0.6	8
242	Progress in the Integrated Development of the Helical System. Fusion Science and Technology, 2010, 58, 12-28.	0.6	19
243	Study of MHD Stability in LHD. Fusion Science and Technology, 2010, 58, 176-185.	0.6	23
244	Progress Toward Steady-State Operation in LHD Using Electron Cyclotron Waves. Fusion Science and Technology, 2010, 58, 551-559.	0.6	12
245	Potential Structure and Transport in the Magnetic Island in LHD. Fusion Science and Technology, 2010, 58, 113-121.	0.6	3
246	Spontaneous Dynamics of Magnetic Islands Depending on Plasma Parameters in LHD. Fusion Science and Technology, 2010, 58, 194-199.	0.6	12
247	Charge-Exchange Spectroscopy with Pitch-Controlled Double-Slit Fiber Bundle on LHD. Fusion Science and Technology, 2010, 58, 375-382.	0.6	83
248	Soft X-Ray Diagnostics on LHD. Fusion Science and Technology, 2010, 58, 418-425.	0.6	13
249	Characteristics of the Global Energy Confinement and Central Pressure in LHD. Fusion Science and Technology, 2010, 58, 29-37.	0.6	9
250	Overview of LHD Plasma Diagnostics. Fusion Science and Technology, 2010, 58, 331-344.	0.6	1
251	Characteristics of MHD Equilibrium and Related Issues on LHD. Fusion Science and Technology, 2010, 58, 160-175.	0.6	37
252	Advanced Operational Regime with Internal Diffusion Barrier on LHD. Fusion Science and Technology, 2010, 58, 53-60.	0.6	13

#	Article	IF	Citations
253	Spontaneous Toroidal Flow and Impurity Hole in the High Ion Temperature Plasma on LHD. Fusion Science and Technology, 2010, 58, 103-112.	0.6	4
254	Progress in Steady-State Plasma Operation Using ICRF Heating on LHD. Fusion Science and Technology, 2010, 58, 524-529.	0.6	7
255	Ion Heating Experiments and Improvement of Ion Heat Transport in LHD. Fusion Science and Technology, 2010, 58, 46-52.	0.6	6
256	Goal and Achievements of Large Helical Device Project. Fusion Science and Technology, 2010, 58, 1-11.	0.6	127
257	Measurements of Rotational Transform with Motional Stark Effect Spectroscopy. Fusion Science and Technology, 2010, 58, 383-393.	0.6	20
258	Characteristics of Nonlocallyâ€Coupled Transition of the Heat Transport in LHD. Contributions To Plasma Physics, 2010, 50, 514-519.	0.5	4
259	Ion Internal Transport Barrier in the Large Helical Device. Contributions To Plasma Physics, 2010, 50, 558-561.	0.5	9
260	Experimental Study of the Effect of Poloidal Flow on Stability of Magnetic Islands in LHD and TJâ€Ⅱ. Contributions To Plasma Physics, 2010, 50, 529-533.	0.5	1
261	Considerations from the Viewpoint of Neoclassical Transport Towards Higher Ion Temperature Heliotron Plasmas. Contributions To Plasma Physics, 2010, 50, 586-589.	0.5	5
262	Energetic-particle modes driven by suprathermal electrons produced by off-axis second harmonic ECRH in compact helical system (CHS). Nuclear Fusion, 2010, 50, 084007.	1.6	12
263	Internal transport barrier formation induced by edge perturbation on LHD. Nuclear Fusion, 2010, 50, 064012.	1.6	3
264	Shafranov shift measurements by a soft x-ray CCD camera for internal diffusion barrier discharges in the Large Helical Device. Nuclear Fusion, 2010, 50, 064013.	1.6	1
265	Spontaneous toroidal rotation driven by the off-diagonal term of momentum and heat transport in the plasma with the ion internal transport barrier in LHD. Nuclear Fusion, 2010, 50, 064007.	1.6	38
266	Fast ion charge exchange spectroscopy adapted for tangential viewing geometry in LHD. Review of Scientific Instruments, 2010, 81, 10D327.	0.6	12
267	Grating spectrometer system for beam emission spectroscopy diagnostics using high-energy negative-ion-based neutral beam injection on LHD. Review of Scientific Instruments, 2010, 81, 10D720.	0.6	7
268	Observation of a Complex Multistage Transition in the JT-60U<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>H</mml:mi></mml:math>-mode Edge. Physical Review Letters, 2010, 105, 045004.	2.9	35
269	Poloidal beam emission spectroscopy system for the measurement of density fluctuations in Large Helical Device. Review of Scientific Instruments, 2010, 81, 10D719.	0.6	5
270	Radial electric fields in the vicinity of locked magnetic islands. Physics of Plasmas, 2010, 17, .	0.7	5

#	Article	IF	Citations
271	Characterization of bifurcation induced by long distance correlation between heat flux and temperature gradient in toroidal plasmas. Plasma Physics and Controlled Fusion, 2010, 52, 075002.	0.9	11
272	Observation of Reversed-Shear AlfvÃ©n Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	2.9	44
273	Experimental study of radial electric field and electrostatic potential fluctuation in the Large Helical Device. Plasma Physics and Controlled Fusion, 2010, 52, 124025.	0.9	19
274	Parameter Regime of Ion Internal Transport Barrier Formation in the Large Helical Device. Plasma and Fusion Research, 2010, 5, S2029-S2029.	0.3	7
275	Turbulence Response in the High Ti Discharge of the LHD. Plasma and Fusion Research, 2010, 5, S2053-S2053.	0.3	35
276	Effect of Halo Neutrals on Fast-Ion Charge Exchange Spectroscopy Measurements in LHD. Plasma and Fusion Research, 2010, 5, S2099-S2099.	0.3	11
277	Observation of an impurity hole in a plasma with an ion internal transport barrier in the Large Helical Device. Physics of Plasmas, 2009, 16, .	0.7	91
278	Observation of an impurity hole in the Large Helical Device. Nuclear Fusion, 2009, 49, 062002.	1.6	46
279	Dynamics of ion internal transport barrier in LHD heliotron and JT-60U tokamak plasmas. Nuclear Fusion, 2009, 49, 095024.	1.6	21
280	On impurity handling in high performance stellarator/heliotron plasmas. Nuclear Fusion, 2009, 49, 065005.	1.6	54
281	Comparative divertor-transport study for helical devices. Nuclear Fusion, 2009, 49, 095002.	1.6	23
282	Dynamic transport study of the plasmas with transport improvement in LHD and JT-60U. Nuclear Fusion, 2009, 49, 015005.	1.6	10
283	Observations of spontaneous toroidal flow in the LHD. Nuclear Fusion, 2009, 49, 075036.	1.6	20
284	High-density plasma with internal diffusion barrier in the Large Helical Device. Nuclear Fusion, 2009, 49, 085002.	1.6	27
285	Simultaneous realization of a high density edge transport barrier and an improved L-mode on CHS. Nuclear Fusion, 2009, 49, 085018.	1.6	1
286	10 years of engineering and physics achievements by the Large Helical Device project. Fusion Engineering and Design, 2009, 84, 186-193.	1.0	16
287	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	1.6	54
288	Extension of Improved Particle and Energy Confinement Regime in the Core of LHD Plasma. Plasma and Fusion Research, 2009, 4, 027-027.	0.3	15

#	Article	IF	Citations
289	ECCD EXPERIMENTS IN STELLARATOR/HELIOTRON. , 2009, , .		0
290	MHD study of the reactor-relevant high-beta regime in the Large Helical Device. Plasma Physics and Controlled Fusion, 2008, 50, 124014.	0.9	72
291	Energy resolved soft x-ray imaging using a charge coupled device camera for long pulse discharges in the Large Helical Device. Review of Scientific Instruments, 2008, 79, 10E929.	0.6	3
292	Bifurcation of Heat Transport in High Temperature Plasma. Journal of the Physical Society of Japan, 2008, 77, 124501.	0.7	5
293	Fluid features of the stochastic layer transport in LHD. Nuclear Fusion, 2008, 48, 024012.	1.6	41
294	Core electron temperature rise due to Ar gas-puff in EC-heated LHD plasmas. Journal of Physics: Conference Series, 2008, 123, 012023.	0.3	1
295	Measurement of derivative of ion temperature using high spatial resolution charge exchange spectroscopy with space modulation optics. Review of Scientific Instruments, 2008, 79, 053506.	0.6	22
296	Extension of the high-ion-temperature regime in the Large Helical Device. Physics of Plasmas, 2008, 15, 056111.	0.7	20
297	Experimental studies of zonal flow and field in compact helical system plasma. Physics of Plasmas, 2008, 15, .	0.7	20
298	Fast ion charge exchange spectroscopy measurement using a radially injected neutral beam on the large helical device. Review of Scientific Instruments, 2008, 79, 10E519.	0.6	28
299	Bifurcation Phenomena of a Magnetic Island at a Rational Surface in a Magnetic-Shear Control Experiment. Physical Review Letters, 2008, 100, 045003.	2.9	27
300	Transition between Internal Transport Barriers with Different Temperature-Profile Curvatures in JT-60U Tokamak Plasmas. Physical Review Letters, 2008, 101, 055003.	2.9	36
301	Transport barriers in non-axisymmetric magnetic fields. Journal of Physics: Conference Series, 2008, 123, 012004.	0.3	7
302	Characteristics of high density edge transport barrier with reheat mode on CHS. Journal of Physics: Conference Series, 2008, 123, 012006.	0.3	3
303	Observation of the high-density edge transport barrier in CHS using beam emission spectroscopy. Journal of Physics: Conference Series, 2008, 123, 012007.	0.3	1
304	Clear transition to high-T_estate with an electron internal transport barrier creation in EC heated LHD plasmas. Journal of Physics: Conference Series, 2008, 123, 012022.	0.3	3
305	Measurements of Micro-Turbulence in High Beta and High Density Regimes of LHD and Comparison with Resistive G-Mode Scaling. Plasma and Fusion Research, 2008, 3, S1071-S1071.	0.3	6
306	Electron Cyclotron Heating Applied to the JT-60U Tokamak. Fusion Science and Technology, 2008, 53, 114-129.	0.6	2

#	Article	IF	Citations
307	Observation of m/n=2/1 magnetic island on the foot point of electron internal transport barrier using soft x-ray CCD camera in the Large Helical Device. Journal of Physics: Conference Series, 2008, 123, 012021.	0.3	2
308	Temporal evolution of particle transport of Super Dense Core plasma in LHD. Journal of Physics: Conference Series, 2008, 123, 012020.	0.3	0
309	Electrostatic Potential Measurement by Using 6-MeV Heavy Ion Beam Probe on LHD. Plasma and Fusion Research, 2008, 3, 031-031.	0.3	10
310	Time Evolution of the Rotational Transform Profile in Current-Carrying LHD Plasmas. Plasma and Fusion Research, 2008, 3, S1058-S1058.	0.3	7
311	Inter-Linkage of Transports and its Bridging Mechanism. Plasma and Fusion Research, 2008, 3, S1003-S1003.	0.3	2
312	Transport Dynamics and Multi-Scale Coupling of Turbulence in LHD. Plasma and Fusion Research, 2008, 3, S1006-S1006.	0.3	7
313	ECCD Experiments in Heliotron J, TJ-II, CHS, and LHD. Plasma and Fusion Research, 2008, 3, S1008-S1008.	0.3	8
314	Ion Heating Experiments Using Perpendicular Neutral Beam Injection in the Large Helical Device. Plasma and Fusion Research, 2008, 3, S1013-S1013.	0.3	11
315	Observation of Toroidal Flow on LHD. Plasma and Fusion Research, 2008, 3, S1014-S1014.	0.3	9
316	Neoclassical Transport Properties in High-Ion-Temperature Hydrogen Plasmas in the Large Helical Device (LHD). Plasma and Fusion Research, 2008, 3, S1056-S1056.	0.3	5
317	Particle Transport and Fluctuation Characteristics around the Neoclassically Optimized Configuration in LHD. Plasma and Fusion Research, 2008, 3, S1069-S1069.	0.3	1
318	First Demonstration of Rotational Transform Control by Electron Cyclotron Current Drive in Large Helical Device. Plasma and Fusion Research, 2008, 3, S1077-S1077.	0.3	10
319	Bispectral Analysis of Harmonic Oscillations Measured using Beam Emission Spectroscopy and Magnetic Probes in CHS. Plasma and Fusion Research, 2008, 3, S1010-S1010.	0.3	1
320	Improvement of Ion Confinement in Core Electron-Root Confinement (CERC) Plasmas in Large Helical Device. Plasma and Fusion Research, 2008, 3, S1031-S1031.	0.3	1
321	Extended steady-state and high-beta regimes of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2007, 47, S668-S676.	1.6	44
322	Core electron-root confinement (CERC) in helical plasmas. Nuclear Fusion, 2007, 47, 1213-1219.	1.6	97
323	Two-dimensional plasma structure in the edge region of the compact helical system. Nuclear Fusion, 2007, 47, 251-256.	1.6	2
324	Steady-state operation and high energy particle production of MeV energy in the Large Helical Device. Nuclear Fusion, 2007, 47, 1250-1257.	1.6	38

#	Article	IF	Citations
325	Impact of nonlocal electron heat transport on the high temperature plasmas of LHD. Nuclear Fusion, 2007, 47, 449-455.	1.6	63
326	Transport analysis of the effect of zonal flows on electron internal transport barriers in toroidal helical plasmas. Nuclear Fusion, 2007, 47, 914-919.	1.6	14
327	Confinement improvement in high-ion temperature plasmas heated with high-energy negative-ion-based neutral beam injection in the Large Helical Device. Nuclear Fusion, 2007, 47, 1078-1085.	1.6	27
328	Experimental Evidence of a Zonal Magnetic Field in a Toroidal Plasma. Physical Review Letters, 2007, 98, 165001.	2.9	45
329	Superdense core mode in the Large Helical Device with an internal diffusion barrier. Physics of Plasmas, 2007, 14, 056113.	0.7	29
330	Characterization and operational regime of high density plasmas with internal diffusion barrier observed in the Large Helical Device. Plasma Physics and Controlled Fusion, 2007, 49, B487-B496.	0.9	38
331	Effect of Neoclassical Transport Optimization on Electron Heat Transport in Low-Collisionality LHD Plasmas. Fusion Science and Technology, 2007, 51, 112-121.	0.6	11
332	Effect of Magnetic Configuration on Particle Transport and Density Fluctuation in LHD. Fusion Science and Technology, 2007, 51, 97-111.	0.6	14
333	Improved Confinement and Related Physics Study in the Compact Helical System. Fusion Science and Technology, 2007, 51, 46-53.	0.6	0
334	Observation of Equilibria with a Double Magnetic Axis in LHD. Fusion Science and Technology, 2007, 51, 138-143.	0.6	1
335	Physics of internal transport barrier of toroidal helical plasmas. Physics of Plasmas, 2007, 14, 020702.	0.7	30
336	Measurement of 3-D Mode Structure of the Edge Harmonic Oscillations in CHS using Beam Emission Spectroscopy. Plasma and Fusion Research, 2007, 2, S1097-S1097.	0.3	1
337	Edge harmonic oscillations at the density pedestal in the H-mode discharges in CHS Heliotron measured using beam emission spectroscopy and magnetic probe. Journal of Nuclear Materials, 2007, 363-365, 522-527.	1.3	1
338	Analysis of difference in HÎ± spectral line profiles between attachment and detachment plasmas in LHD. Journal of Nuclear Materials, 2007, 363-365, 325-329.	1.3	1
339	Determination of the Major Impurity Radiators in the Reheat Mode Discharges in the Compact Helical System. Plasma and Fusion Research, 2007, 2, S1062-S1062.	0.3	1
340	Overview of the National Centralized Tokamak programme. Nuclear Fusion, 2006, 46, S29-S38.	1.6	13
341	Thirty-minute plasma sustainment by real-time magnetic-axis swing for effective divertor-load-dispersion in the Large Helical Device. Physics of Plasmas, 2006, 13, 056118.	0.7	5
342	Study of Long-Pulse Plasma Experiment Using ICRF Heating in LHD. Fusion Science and Technology, 2006, 50, 186-191.	0.6	3

#	Article	IF	Citations
343	Overview of Progress in LHD Experiments. Fusion Science and Technology, 2006, 50, 136-145.	0.6	17
344	Development of Integrated Simulation System for Helical Plasmas. Fusion Science and Technology, 2006, 50, 457-463.	0.6	7
345	Recent Progress of MHD Study in High-Beta Plasmas of LHD. Fusion Science and Technology, 2006, 50, 177-185.	0.6	24
346	Studies of Improved Confinement in JFT-2M. Fusion Science and Technology, 2006, 49, 96-121.	0.6	4
347	Studies of Radial Electric Field Formation and Its Effect on Fluctuations and Transport Barriers in the JFT-2M Tokamak. Fusion Science and Technology, 2006, 49, 122-138.	0.6	5
348	Plasma Diagnostics in JFT-2M. Fusion Science and Technology, 2006, 49, 225-240.	0.6	3
349	Common Features of Core Electron-Root Confinement in Helical Devices. Fusion Science and Technology, 2006, 50, 327-342.	0.6	43
350	The effect of net toroidal current on the measurement of diamagnetic beta value in heliotron plasma. Plasma Physics and Controlled Fusion, 2006, 48, L73-L85.	0.9	7
351	Transport of Impurity Ions in the Wendelstein 7-AS Stellarator Plasma. AIP Conference Proceedings, 2006, , .	0.3	0
352	Engineering design and control scenario for steady-state high-beta operation in National Centralized Tokamak. Fusion Engineering and Design, 2006, 81, 1599-1605.	1.0	1
353	Magnetic configuration dependence of the shafranov shift in the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, 789-797.	0.9	15
354	Scaling of power threshold for edge transport barrier formation in CHS with density, magnetic field and magnetic configuration. Plasma Physics and Controlled Fusion, 2006, 48, 1683-1692.	0.9	13
355	EHO-like density fluctuations measured using beam emission spectroscopy in ETB discharges in CHS. Nuclear Fusion, 2006, 46, 317-323.	1.6	13
356	Long-pulse plasma discharge on the Large Helical Device. Nuclear Fusion, 2006, 46, S13-S21.	1.6	21
357	Turbulence and transport characteristics of a barrier in a toroidal plasma. Plasma Physics and Controlled Fusion, 2006, 48, S205-S212.	0.9	32
358	Formation of edge transport barrier in the ergodic field layer of helical divertor configuration on the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, A295-A302.	0.9	7
359	Observation of localized oscillations atm/n= 2/1 rational surface during counter neutral beam injection in the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, L45-L55.	0.9	13
360	Comparison of transient electron heat transport in LHD helical and JT-60U tokamak plasmas. Nuclear Fusion, 2006, 46, 133-141.	1.6	66

#	Article	IF	Citations
361	Abrupt reduction of core electron heat transport in response to edge cooling on the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, A251-A257.	0.9	41
362	Experimental study of particle transport and density fluctuations in LHD. Nuclear Fusion, 2006, 46, 110-122.	1.6	64
363	Formation of Edge Transport Barriers by L-H Transition and Large Reversed Plasma Current on LHD. Plasma Science and Technology, 2006, 8, 5-9.	0.7	6
364	Properties of the LHD plasmas with a large islandâ€"super dense core plasma and island healing. Plasma Physics and Controlled Fusion, 2006, 48, B383-B390.	0.9	10
365	Review of Divertor Studies in LHD. Plasma Science and Technology, 2006, 8, 14-18.	0.7	3
366	ICRF Heated Long-Pulse Plasma Discharges in LHD. Plasma Science and Technology, 2006, 8, 28-32.	0.7	1
367	Bispectral analysis applied to coherent floating potential fluctuations obtained in the edge plasmas on JFT-2M. Plasma Physics and Controlled Fusion, 2006, 48, S1-S15.	0.9	44
368	Observation of radial phase shift of the edge harmonic oscillation in the edge transport barrier discharges in the Compact Helical System using beam emission spectroscopy. Physics of Plasmas, 2006, 13, 104504.	0.7	4
369	Slow Transition of Energy Transport in High-Temperature Plasmas. Physical Review Letters, 2006, 96, 125006.	2.9	22
370	Effects of Resonant Magnetic Fluctuations on Plasma Confinement in Current Carrying high-Î² Plasmas of LHD. Plasma and Fusion Research, 2006, 1, 003-003.	0.3	10
371	Observation of Minor Collapse of Current-Carrying Plasma in LHD. Plasma and Fusion Research, 2006, 1, 004-004.	0.3	4
372	Study of Edge Transport Barrier Formation on CHS Plasma. Plasma and Fusion Research, 2006, 1, 032-032.	0.3	8
373	First Observation of High Density Edge Transport Barrier Formation during Reheat Mode of Helical Plasma in CHS. Plasma and Fusion Research, 2006, 1, 047-047.	0.3	4
374	Development of the plasma operational regime in the large helical device by the various wall conditioning methods. Journal of Nuclear Materials, 2005, 337-339, 431-435.	1.3	22
375	Local island divertor experiments on LHD. Journal of Nuclear Materials, 2005, 337-339, 154-160.	1.3	50
376	Measurements of rotational transform due to noninductive toroidal current using motional Stark effect spectroscopy in the Large Helical Device. Review of Scientific Instruments, 2005, 76, 053505.	0.6	29
377	Long Pulse Plasma Heating Experiment by Ion Cyclotron Heating in LHD. AIP Conference Proceedings, 2005, , .	0.3	3
378	Transition phenomena and thermal transport properties in LHD plasmas with an electron internal transport barrier. Nuclear Fusion, 2005, 45, 1396-1403.	1.6	25

#	Article	IF	Citations
379	Edge and internal transport barrier formations in CHS. Nuclear Fusion, 2005, 45, 863-870.	1.6	7
380	Control of the radial electric field shear by modification of the magnetic field configuration in LHD. Nuclear Fusion, 2005, 45, 391-398.	1.6	51
381	Influence of magnetic topology on transport and stability in stellarators. Plasma Physics and Controlled Fusion, 2005, 47, B53-B69.	0.9	19
382	Design study of National Centralized Tokamak facility for the demonstration of steady state high-Î² plasma operation. Nuclear Fusion, 2005, 45, 1676-1683.	1.6	14
383	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	1.6	38
384	High-ion temperature experiments with negative-ion-based neutral beam injection heating in Large Helical Device. Nuclear Fusion, 2005, 45, 565-573.	1.6	22
385	Edge plasma control by local island divertor in LHD. Nuclear Fusion, 2005, 45, 837-842.	1.6	25
386	Experiment of magnetic island formation in Large Helical Device. Nuclear Fusion, 2005, 45, 888-893.	1.6	10
387	Two-dimensional diagnostic of edge plasma structure using a lithium beam probe in a compact helical system. Review of Scientific Instruments, 2005, 76, 013504.	0.6	12
388	Characteristics of confinement and stability in large helical device edge plasmas. Physics of Plasmas, 2005, 12, 056122.	0.7	14
389	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	0.7	38
390	Observation of core electron temperature rise in response to an edge cooling in toroidal helical plasmas. Physics of Plasmas, 2005, 12, 110705.	0.7	33
391	Recent Results in Large Helical Device. , 2005, , .		0
392	Steady-state tokamak operation, ITB transition and sustainment and ECCD experiments in TRIAM-1M. Nuclear Fusion, 2005, 45, S142-S156.	1.6	63
393	Ion sources for fusion plasma diagnostics. IEEE Transactions on Plasma Science, 2005, 33, 1872-1900.	0.6	12
394	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	0.9	30
395	Increasing rate of water temperature due to an Ekman layer flow in a heated pot (fluid dynamics in the) Tj ETQq1 1 0.784314 rgBT /O	0.3	0
396	Thirty-Minute Plasma Sustainment by ICRF, EC and NBI Heating in the Large Helical Device. Journal of Plasma and Fusion Research, 2005, 81, 229-230.	0.4	21

#	Article	IF	Citations
397	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	0.6	10
398	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	1.6	58
399	Cold pulse experiments in plasma with an electron internal transport barrier on LHD. Plasma Physics and Controlled Fusion, 2004, 46, A71-A76.	0.9	19
400	Edge transport barrier formation in compact helical system. Plasma Physics and Controlled Fusion, 2004, 46, A113-A119.	0.9	28
401	Confinement characteristics of the quasi-axisymmetric stellarator CHS-qa. Nuclear Fusion, 2004, 44, 575-581.	1.6	13
402	Formation conditions for electron internal transport barriers in JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A35-A43.	0.9	25
403	Observations of edge radial electric field transition in LHD plasmas. Plasma Physics and Controlled Fusion, 2004, 46, 1021-1025.	0.9	9
404	Comparison of electron internal transport barriers in the large helical device and JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A45-A50.	0.9	19
405	Formation of neoclassical internal transport barriers under various operational regimes on compact helical system. Plasma Physics and Controlled Fusion, 2004, 46, A285-A290.	0.9	1
406	Observation of Reduced Heat Transport inside the Magnetic Island OÂPoint in the Large Helical Device. Physical Review Letters, 2004, 92, 055002.	2.9	83
407	Characteristics of transport in electron internal transport barriers and in the vicinity of rational surfaces in the Large Helical Device. Physics of Plasmas, 2004, 11, 2551-2557.	0.7	46
408	Loss cone boundary measurement using diagnostic neutral beam and neutral particle analyzer in a compact helical system. Review of Scientific Instruments, 2004, 75, 3607-3609.	0.6	9
409	Increased understanding of neoclassical internal transport barriers in CHS. Nuclear Fusion, 2004, 44, 342-349.	1.6	34
410	Measurement of impurity emission profiles in CHS Plasma using AXUV photodiode arrays and VUV bandpass filters. Review of Scientific Instruments, 2004, 75, 4142-4144.	0.6	7
411	Charge exchange spectroscopy by Fabryâ€“PÃ©rot spectrometer in W7-AS. Review of Scientific Instruments, 2004, 75, 4136-4138.	0.6	6
412	Beam emission spectroscopy measurement for density fluctuations in compact helical system. Review of Scientific Instruments, 2004, 75, 4118-4120.	0.6	23
413	LHD Diagnostics Toward Steady-State Operation. IEEE Transactions on Plasma Science, 2004, 32, 167-176.	0.6	1
414	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	1.6	57

#	Article	IF	Citations
415	Identification of Zonal Flows in a Toroidal Plasma. Physical Review Letters, 2004, 93, 165002.	2.9	331
416	Impurity Transport Studies in the Wendelstein 7-AS Stellarator. Fusion Science and Technology, 2004, 46, 115-128.	0.6	25
417	Configuration Effect on Energy Confinement and Local Transport in LHD and Contribution to the International Stellarator Database. Fusion Science and Technology, 2004, 46, 82-90.	0.6	16
418	Long-Pulse Operation and High-Energy Particle Confinement Study in ICRF Heating of LHD. Fusion Science and Technology, 2004, 46, 175-183.	0.6	5
419	Difference in Electron Transport between Co- and Counter-NBI-Heated Plasmas in the Inward-Shifted Configurations on LHD. Fusion Science and Technology, 2004, 46, 262-270.	0.6	3
420	Progress of High-Beta Experiments in Stellarator/Heliotron. Fusion Science and Technology, 2004, 46, 24-33.	0.6	17
421	Electron ITB Formation with Combination of NBI and ECH in LHD. Fusion Science and Technology, 2004, 46, 106-114.	0.6	13
422	Effect and Production Mechanism of Flow Velocity Shear in Toroidal Plasmas. Journal of Plasma and Fusion Research, 2004, 80, 291-298.	0.4	0
423	High resolution measurements of the HÎ± line shape in LHD plasmas. Journal of Nuclear Materials, 2003, 313-316, 716-719.	1.3	2
424	Two-dimensional diagnostics of edge and divertor region of toroidal helical plasmas using a lithium beam probe. Journal of Nuclear Materials, 2003, 313-316, 725-728.	1.3	5
425	Formation of electron internal transport barriers by highly localized electron cyclotron resonance heating in the large helical device. Plasma Physics and Controlled Fusion, 2003, 45, 1183-1192.	0.9	70
426	Sawtooth Oscillation in Current-Carrying Plasma in the Large Helical Device. Physical Review Letters, 2003, 90, 205001.	2.9	16
427	Measurement of magnetic field pitch angle using motional Stark effect spectroscopy in the compact helical system. Review of Scientific Instruments, 2003, 74, 73-79.	0.6	8
428	Characteristics of Electron Heat Transport of Plasma with an Electron Internal-Transport Barrier in the Large Helical Device. Physical Review Letters, 2003, 91, 085003.	2.9	107
429	Formation of electron internal transport barrier and achievement of high ion temperature in Large Helical Device. Physics of Plasmas, 2003, 10, 1788-1795.	0.7	59
430	Recent advances in the LHD experiment. Nuclear Fusion, 2003, 43, 1674-1683.	1.6	119
431	Ion cyclotron range of frequencies heating and high-energy particle production in the Large Helical Device. Nuclear Fusion, 2003, 43, 738-743.	1.6	25
432	Confinement characteristics of high-energy ions produced by ICRF heating in the large helical device. Plasma Physics and Controlled Fusion, 2003, 45, 1037-1050.	0.9	13

#	Article	IF	Citations
433	Recent results from the Large Helical Device. Plasma Physics and Controlled Fusion, 2003, 45, 671-686.	0.9	14
434	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, 1127-1142.	0.9	9
435	Experimental study on ion temperature behaviours in ECH, ICRF and NBI H2, He and Ne discharges of the Large Helical Device. Nuclear Fusion, 2003, 43, 899-909.	1.6	18
436	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. Nuclear Fusion, 2003, 43, 749-755.	1.6	39
437	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, A425-A443.	0.9	9
438	Plasma performance and impurity behaviour in long pulse discharges on LHD. Nuclear Fusion, 2003, 43, 219-227.	1.6	34
439	Impurity transport model for the normal confinement and high density H-mode discharges in Wendelstein 7-AS. Plasma Physics and Controlled Fusion, 2003, 45, 1931-1938.	0.9	13
440	Spatial resolved high-energy particle diagnostic system using time-of-flight neutral particle analyzer in large helical device. Review of Scientific Instruments, 2003, 74, 1878-1882.	0.6	7
441	Analysis of Radial Electric Field Bifurcation in LHD Based on Neoclassical Transport Theory. Journal of Plasma and Fusion Research, 2003, 79, 816-820.	0.4	2
442	Transition of Edge Particle Transport in CHS. Journal of Plasma and Fusion Research, 2003, 79, 977-979.	0.4	19
443	Time- and Space-Resolved Spectroscopic Diagnostics of Magnetically Confined Plasmas Measurements of Magnetic Flux Surface and Two Dimensional Electron Temperature Profiles Using X-Ray CCD Camera. Journal of Plasma and Fusion Research, 2003, 79, 362-369.	0.4	0
444	Compatibility between high energy particle confinement and magnetohydrodynamic stability in the inward-shifted plasmas of the Large Helical Device. Physics of Plasmas, 2002, 9, 2020-2026.	0.7	15
445	Island Dynamics in the Large-Helical-Device Plasmas. Physical Review Letters, 2002, 88, 055005.	2.9	50
446	Observation of low impurity diffusivity inside the neoclassical transport barrier in the Compact Helical System. Physics of Plasmas, 2002, 9, 4179-4187.	0.7	4
447	Edge transport barrier and Te-profile stiffness in LHD. Plasma Physics and Controlled Fusion, 2002, 44, A211-A216.	0.9	11
448	Magnetic field structure preferable to EÃ—B shear flow generation in a quasi-axisymmetric stellarator CHS-qa. Plasma Physics and Controlled Fusion, 2002, 44, A225-A230.	0.9	3
449	Influence of the static magnetic island on the density profiles in LHD. Plasma Physics and Controlled Fusion, 2002, 44, A231-A235.	0.9	9
450	Measurement of Shafranov shift with soft x-ray CCD camera on large helical device. Plasma Physics and Controlled Fusion, 2002, 44, 1383-1392.	0.9	21

#	Article	IF	Citations
451	Behaviour of ion temperature in electron and ion heating regimes observed with ECH, NBI and ICRF discharges of LHD. Nuclear Fusion, 2002, 42, 1179-1183.	1.6	13
452	A study of high-energy ions produced by ICRF heating in LHD. Plasma Physics and Controlled Fusion, 2002, 44, 103-119.	0.9	16
453	Particle transport diagnostics on CHS and LHD with tracer-encapsulated solid pellet injection. Plasma Physics and Controlled Fusion, 2002, 44, 129-135.	0.9	39
454	Impurity behaviour in LHD long pulse discharges. Plasma Physics and Controlled Fusion, 2002, 44, 2121-2134.	0.9	16
455	Improvement of neoclassical ion thermal transport near the plasma edge in the electron root regime on LHD. Plasma Physics and Controlled Fusion, 2002, 44, A183-A187.	0.9	0
456	Chronic active Epsteinâ€“Barr virus infection (CAEBV) successfully treated with allogeneic peripheral blood stem cell transplantation. Bone Marrow Transplantation, 2002, 29, 531-533.	1.3	24
457	Characterization of edge pressure in the Large Helical Device. Plasma Physics and Controlled Fusion, 2002, 44, A245-A251.	0.9	13
458	Optimization of ICRF heating in terms of confining magnetic field parameters in the LHD*. Plasma Physics and Controlled Fusion, 2002, 44, 1543-1556.	0.9	1
459	Bootstrap current analysis for neoclassical internal transport barrier discharge of CHS. Plasma Physics and Controlled Fusion, 2002, 44, A189-A195.	0.9	5
460	Transport of the plasma with neoclassical internal transport barrier on CHS. Plasma Physics and Controlled Fusion, 2002, 44, A197-A201.	0.9	9
461	Towards improved confinement: Analysis of the radial electric field in LHD. Nuclear Fusion, 2002, 42, 143-149.	1.6	35
462	Observation of flow reversal in plasmas with a neoclassical internal transport barrier in CHS. Plasma Physics and Controlled Fusion, 2002, 44, 361-370.	0.9	14
463	Studies on the metabolic fate of M17055, a novel diuretic (6). Assessment for drug-drug interactions of M17055 in metabolism, distribution and excretion. Xenobiotica, 2002, 32, 1161-1172.	0.5	3
464	Measurement of the shape of magnetic flux surfaces in a high temperature plasma using a soft X-ray CCD imaging camera. IEEE Transactions on Plasma Science, 2002, 30, 84-85.	0.6	1
465	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
466	Design of Quasi-Axisymmetric Stellarator CHS-qa.. Journal of Plasma and Fusion Research, 2002, 78, 166-179.	0.4	2
467	Development of a flexible visualization tool. Fusion Engineering and Design, 2002, 60, 367-371.	1.0	8
468	Diagnostics for Helical Systems. , 2002, , 363-370.		1

#	Article	IF	Citations
469	Local Impurity Deposition in a Magnetic Island by Means of a Tracer-Encapsulated Solid Pellet in the LHD.. Journal of Plasma and Fusion Research, 2002, 78, 837-839.	0.4	5
470	Electron Heat Transport Analysis of Low-Collisionality Plasmas in the Neoclassical-Transport-Optimized Configuration of LHD.. Journal of Plasma and Fusion Research, 2002, 78, 994-995.	0.4	0
471	Experimental test of the radial force balance equation in the compact helical system. Physics of Plasmas, 2001, 8, 1-4.	0.7	22
472	Recent Results from the Large Helical Device. Fusion Science and Technology, 2001, 39, 322-328.	0.6	1
473	Photon-counting CCD detector as a tool of x-ray imaging. Review of Scientific Instruments, 2001, 72, 717-720.	0.6	23
474	Electron cyclotron heating scenario and experimental results in LHD. Fusion Engineering and Design, 2001, 53, 329-336.	1.0	12
475	Review of initial experimental results of the PSI studies in the large helical device. Journal of Nuclear Materials, 2001, 290-293, 12-18.	1.3	23
476	Role of core radiation during slow oscillations in LHD. Nuclear Fusion, 2001, 41, 519-525.	1.6	16
477	Energy confinement and thermal transport characteristics of net current free plasmas in the Large Helical Device. Nuclear Fusion, 2001, 41, 901-908.	1.6	56
478	MHD characteristics in the high beta regime of the Large Helical Device. Nuclear Fusion, 2001, 41, 1177-1183.	1.6	44
479	Physics and engineering design of the low aspect ratio quasi-axisymmetric stellarator CHS-qa. Nuclear Fusion, 2001, 41, 1865-1871.	1.6	47
480	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	1.6	25
481	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	1.6	62
482	Observation of bifurcation properties of radial electric fields using a heavy ion beam probe. Nuclear Fusion, 2001, 41, 575-584.	1.6	12
483	Experimental studies towards long pulse steady state operation in LHD. Nuclear Fusion, 2001, 41, 779-790.	1.6	16
484	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	0.9	106
485	Ion and electron heating in ICRF heating experiments on LHD. Nuclear Fusion, 2001, 41, 1021-1035.	1.6	41
486	Overview of LHD experiments. Nuclear Fusion, 2001, 41, 1355-1367.	1.6	53

#	Article	IF	Citations
487	Derivation of energy confinement time and ICRF absorption in LHD by power modulation. Plasma Physics and Controlled Fusion, 2001, 43, 1191-1210.	0.9	12
488	Experimental investigation of the ripple induced losses of perpendicularly injected beam ions in the low aspect ratio helical system CHS. Nuclear Fusion, 2001, 41, 1273-1281.	1.6	18
489	Reduction of Ion Thermal Diffusivity Associated with the Transition of the Radial Electric Field in Neutral-Beam-Heated Plasmas in the Large Helical Device. Physical Review Letters, 2001, 86, 5297-5300.	2.9	58
490	Observation of Plasma Flow at the Magnetic Island in the Large Helical Device. Physical Review Letters, 2001, 88, 015002.	2.9	111
491	Overview of large helical device diagnostics (invited). Review of Scientific Instruments, 2001, 72, 483-491.	0.6	11
492	Improved plasma performance on Large Helical Device. Physics of Plasmas, 2001, 8, 2002-2008.	0.7	16
493	Ion cyclotron range of frequency heating experiments on the large helical device and high energy ion behavior. Physics of Plasmas, 2001, 8, 2139-2147.	0.7	37
494	Observation of Toroidal Flow Antiparallel to theã€ˆErÃ—BÎ¸ã€‰Drift Direction in the Hot Electron Mode Plasmas in the Compact Helical System. Physical Review Letters, 2001, 86, 3040-3043.	2.9	43
495	Observation of the â€œSelf-Healingâ€•of an Error Field Island in the Large Helical Device. Physical Review Letters, 2001, 87, 135002.	2.9	67
496	Possibility of Electric Field Bifurcation and Internal Transport barrier Formation in LHD Plasma. Journal of the Physical Society of Japan, 2000, 69, 445-450.	0.7	12
497	Overview of long pulse operation in the Large Helical Device. Nuclear Fusion, 2000, 40, 1157-1166.	1.6	19
498	Energetic ion driven MHD instabilities observed in the heliotron/torsatron devices Compact Helical System and Large Helical Device. Nuclear Fusion, 2000, 40, 1349-1362.	1.6	76
499	Overview of CHS experiments4. Plasma Physics and Controlled Fusion, 2000, 42, 1145-1149.	0.9	19
500	The first ICRF heating experiment in the large helical device. Plasma Physics and Controlled Fusion, 2000, 42, 265-274.	0.9	18
501	Overview of the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 1165-1177.	0.9	23
502	Experimental studies on NBI and ICRF heated plasmas in the large helical device. Plasma Physics and Controlled Fusion, 2000, 42, B51-B60.	0.9	4
503	Plasma characteristics of long-pulse discharges heated by neutral beam injection in the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 147-159.	0.9	34
504	Measurements of poloidal rotation velocity using charge exchange spectroscopy in a large helical device. Review of Scientific Instruments, 2000, 71, 2360-2366.	0.6	85

#	Article	IF	Citations
505	Energy and spatial resolved measurement of soft x-ray emission with photon counting x-ray charge coupled device camera in compact helical system. Review of Scientific Instruments, 2000, 71, 3711.	0.6	11
506	Edge Thermal Transport Barrier In LHD Discharges. Physical Review Letters, 2000, 84, 103-106.	2.9	60
507	Energy Confinement Time and Heat Transport in Initial Neutral Beam Heated Plasmas on the Large Helical Device. Physical Review Letters, 2000, 84, 1216-1219.	2.9	57
508	Ion Heating and High-Energy-Particle Production by Ion-Cyclotron Heating in the Large Helical Device. Physical Review Letters, 2000, 85, 4530-4533.	2.9	40
509	Inboard/outboard asymmetry of poloidal flow observed in the Compact Helical System. Physics of Plasmas, 2000, 7, 437-440.	0.7	12
510	Experimental study of the bifurcation nature of the electrostatic potential of a toroidal helical plasma. Physics of Plasmas, 2000, 7, 4152.	0.7	66
511	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). Physics of Plasmas, 2000, 7, 1802-1808.	0.7	11
512	Initial ICRF heating experiments on the LHD. , 1999, , .		1
513	Global MHD modes excited by energetic ions in heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1929-1933.	1.6	17
514	Transition from L mode to high ion temperature mode in CHS heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1649-1658.	1.6	26
515	Experiments on NBI plasmas in LHD. Plasma Physics and Controlled Fusion, 1999, 41, B157-B166.	0.9	29
516	Plasma confinement studies in LHD. Nuclear Fusion, 1999, 39, 1659-1666.	1.6	28
517	Profile control and its effects on plasma confinement in Heliotron E. Nuclear Fusion, 1999, 39, 1667-1677.	1.6	8
518	Confinement physics study in a small low aspect ratio helical device: CHS. Nuclear Fusion, 1999, 39, 1337-1350.	1.6	49
519	Electric pulsation and profile quantization in CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1999, 41, A561-A568.	0.9	5
520	Overview of the Large Helical Device project. Nuclear Fusion, 1999, 39, 1245-1256.	1.6	270
521	Initial long-pulse plasma heating at reduced power with negative-ion-based neutral beam injector in large helical device. Review of Scientific Instruments, 1999, 70, 4260-4265.	0.6	15
522	Electron Thermal Transport Barrier and Density Fluctuation Reduction in a Toroidal Helical Plasma. Physical Review Letters, 1999, 82, 2669-2672.	2.9	168

#	Article	IF	Citations
523	Initial physics achievements of large helical device experiments. Physics of Plasmas, 1999, 6, 1843-1850.	0.7	176
524	Interaction between Energetic Ions and MHD Modes in CHS Plasmas.. Journal of Plasma and Fusion Research, 1999, 75, 245-252.	0.4	1
525	The difference in H-mode confinement between co- and co + counter-neutral beam heating in the JFT-2M tokamak. Plasma Physics and Controlled Fusion, 1998, 40, 799-803.	0.9	8
526	Formation and termination of high ion temperature mode in heliotron/torsatron plasmas. Plasma Physics and Controlled Fusion, 1998, 40, 793-797.	0.9	7
527	Discovery of Electric Pulsation in a Toroidal Helical Plasma. Physical Review Letters, 1998, 81, 2256-2259.	2.9	62
528	Experimental studies of the physical mechanism determining the radial electric field and its radial structure in a toroidal plasma. Plasma Physics and Controlled Fusion, 1998, 40, 1429-1488.	0.9	167
529	Dependence of Plasma Profiles on ECH Power Absorption in Heliotron-E. Journal of the Physical Society of Japan, 1998, 67, 1625-1635.	0.7	10
530	Nondiffusive Toroidal-Momentum-Transport in the JFT-2M Tokamak Plasmas. Journal of the Physical Society of Japan, 1998, 67, 4089-4097.	0.7	35
531	Strong electron heating in CHS ICRF heating experiments. Nuclear Fusion, 1997, 37, 53-68.	1.6	28
532	Observation of dust particles by a laser scattering method in the JIPPT-IIU tokamak. Nuclear Fusion, 1997, 37, 1177-1182.	1.6	58
533	Density fluctuations in JIPP T-IIU tokamak plasmas measured by a heavy ion beam probe. Nuclear Fusion, 1997, 37, 999-1014.	1.6	17
534	Dynamic Behavior of Potential in the Plasma Core of the CHS Heliotron/Torsatron. Physical Review Letters, 1997, 79, 1054-1057.	2.9	64
535	Direct observation of potential profiles with a 200 keV heavy ion beam probe on the Compact Helical System. Physics of Plasmas, 1997, 4, 1357-1361.	0.7	18
536	Comparison of toroidal viscosity with neoclassical theory. Physics of Plasmas, 1997, 4, 310-314.	0.7	27
537	Behavior of pellet injected Li into Heliotron E plasmas. Journal of Nuclear Materials, 1997, 241-243, 956-960.	1.3	9
538	Alterations of p16 and p15 genes in acute leukemia with MLL gene rearrangements and their correlation with clinical features. Leukemia, 1997, 11, 2120-2124.	3.3	10
539	Measurement of motional Stark spectrum of a neutral beam emission in JIPP T-IIU plasma. Fusion Engineering and Design, 1997, 34-35, 293-296.	1.0	2
540	Electron temperature measurements by TV Thomson scattering in Heliotron E. Fusion Engineering and Design, 1997, 34-35, 625-629.	1.0	0

#	Article	IF	Citations
541	Design study of high energy neutral particle measurements in a LHD. Fusion Engineering and Design, 1997, 34-35, 535-538.	1.0	3
542	Temporal evolutions of electron density profiles of CHS and its transport aspects. Fusion Engineering and Design, 1997, 34-35, 399-401.	1.0	0
543	Measurement of ablation cloud parameters and plasma potential with on/off-axis pellet injection in the JIPP T-IIU tokamak. Fusion Engineering and Design, 1997, 34-35, 329-332.	1.0	3
544	Two-polarizer method for the pitch angle measurement of magnetic field in a toroidal plasma. Fusion Engineering and Design, 1997, 34-35, 297-300.	1.0	4
545	Fast charge exchange spectroscopy using a Fabry-Perot spectrometer in the JIPP TII-U tokamak. Fusion Engineering and Design, 1997, 34-35, 219-223.	1.0	2
546	Development of Thomson scattering diagnostics for the large helical device. Fusion Engineering and Design, 1997, 34-35, 67-72.	1.0	37
547	Real time boronization experiments in CHS and scaling for LHD. Journal of Nuclear Materials, 1997, 241-243, 972-976.	1.3	8
548	Real time boronization experiments in CHS and scaling for LHD. Journal of Nuclear Materials, 1997, 241-243, 972-976.	1.3	11
549	Enhancement and Suppression of Density Fluctuations around Electron Drift Frequency in Heliotron E Plasmas Measured UsingCO2Laser Phase Contrast Method. Journal of the Physical Society of Japan, 1996, 65, 3434-3437.	0.7	8
550	Measurement of Edge Density Profiles and Fluctuations in the H-Mode Discharge of the Compact Helical System (CHS) with a Thermal Neutral Lithium Beam Probe. Journal of the Physical Society of Japan, 1996, 65, 133-138.	0.7	4
551	High Ion Temperature Mode in Heliotron-E. Physical Review Letters, 1996, 76, 1268-1271.	2.9	31
552	Transition behaviour in the H-mode of the CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1996, 38, 1289-1293.	0.9	36
553	Fast potential change during sawteeth in JIPP T-IIU tokamak plasmas. Nuclear Fusion, 1996, 36, 515-520.	1.6	16
554	Large potential change induced by pellet injection in JIPP T-IIU tokamak plasmas. Nuclear Fusion, 1996, 36, 1047-1052.	1.6	9
555	Effect of radial electric field and bulk plasma velocity shear on ion thermal transport in Heliotron-E. Plasma Physics and Controlled Fusion, 1996, 38, 1433-1437.	0.9	13
556	High Î² experiment and confinement regimes in a compact helical system. Fusion Engineering and Design, 1995, 26, 135-140.	1.0	7
557	Experimental study on density pump-out due to electron cyclotron heating in the compact helical system heliotron - torsatron. Fusion Engineering and Design, 1995, 26, 167-172.	1.0	13
558	Improvement of the density limit with an external helical field on JFT-2M tokamak. Journal of Nuclear Materials, 1995, 220-222, 365-369.	1.3	16

#	Article	IF	Citations
559	Improvement of a 500 keV heavyâ€ionâ€beam probe for JIPP Tâ€IIU tokamak. Review of Scientific Instruments, 1995, 66, 321-323.	0.6	3
560	Evidence for a Toroidal-Momentum-Transport Nondiffusive Term from the JFT-2M Tokamak. Physical Review Letters, 1995, 74, 1990-1993.	2.9	86
561	Evaluation of radial particle flux profile based on atomic hydrogen density measurements using laser induced fluorescence and emission at Halpha. Nuclear Fusion, 1995, 35, 107-111.	1.6	9
562	High beta discharges with neutral beam injection in CHS. Nuclear Fusion, 1995, 35, 283-296.	1.6	46
563	Theoretical and experimental studies on electric field and confinement in helical systems. Physica Scripta, 1995, 52, 461-466.	1.2	5
564	Magnetic Configuration Effect on MHD Modes in NBI Heated Plasmas in CHS. Fusion Science and Technology, 1995, 27, 231-234.	0.6	1
565	Particle Confinement of Limiter- and Divertor-Dominated NBI Plasmas in CHS. Fusion Science and Technology, 1995, 27, 239-243.	0.6	2
566	Transport Analysis and Modeling for Helical System. Fusion Science and Technology, 1995, 27, 252-255.	0.6	0
567	H-Mode Study in CHS. Fusion Science and Technology, 1995, 27, 190-193.	0.6	0
568	MHD Stability of High-Beta Plasmas in CHS. Fusion Science and Technology, 1995, 27, 178-181.	0.6	0
569	Experimental Observation of Magnetic Fluctuations in NBI Heated Plasmas in CHS. Journal of the Physical Society of Japan, 1994, 63, 4406-4421.	0.7	15
570	Measurement of profiles of the space potential in JIPP T-IIU tokamak plasmas by slow poloidal and fast toroidal sweeps of a heavy ion beam. Plasma Physics and Controlled Fusion, 1994, 36, 1743-1761.	0.9	34
571	Thickness of ExB velocity shear at the plasma edge in the JFT-2M H-mode. Plasma Physics and Controlled Fusion, 1994, 36, A279-A284.	0.9	15
572	The effect of magnetic field configuration on particle pinch velocity in compact helical system (CHS). Plasma Physics and Controlled Fusion, 1994, 36, 1091-1097.	0.9	12
573	Comparative Study on Effect of Boronization and Titanium Gettering in Compact Helical System Heliotron/Torsatron Device. Japanese Journal of Applied Physics, 1994, 33, L1638-L1641.	0.8	7
574	H-mode transition in the CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1994, 36, A117-A122.	0.9	27
575	Thickness of the layer of high shear radial electric field in JFTâ€2M Hâ€mode plasmas. Physics of Plasmas, 1994, 1, 116-119.	0.7	12
576	Formation of positive radial electric field by electron cyclotron heating in compact helical system. Physics of Plasmas, 1994, 1, 3400-3406.	0.7	15

#	Article	IF	Citations
577	Transition of the radial electric field by electron cyclotron heating in the CHS heliotron/torsatron. Physical Review Letters, 1993, 71, 2220-2223.	2.9	52
578	High frequency ion Bernstein wave heating experiment in the JIPP T-IIU tokamak. Nuclear Fusion, 1992, 32, 2189-2201.	1.6	29
579	Shafranov shift in the low aspect ratio heliotron/torsatron Compact Helical System. Nuclear Fusion, 1992, 32, 25-32.	1.6	42
580	Results from the CHS device. Plasma Physics and Controlled Fusion, 1992, 34, 1909-1915.	0.9	7
581	Electric field and thermal diffusivity profiles of a compact helical system heliotron/torsatron plasma in a plateau regime. Physics of Fluids B, 1992, 4, 1360-1361.	1.7	14
582	Density peaking in the JFT-2M tokamak plasma with counter neutral-beam injection. Physical Review Letters, 1992, 68, 182-185.	2.9	54
583	Edge poloidal rotation profiles of Hâ€mode plasmas in the JFTâ€2M tokamak. Physics of Fluids B, 1992, 4, 2552-2559.	1.7	74
584	Understanding atomic hydrogen behaviour in pumped divertor plasmas. Journal of Nuclear Materials, 1992, 196-198, 210-214.	1.3	7
585	Edge plasma control by rf electric field in the compact helical system (CHS). Journal of Nuclear Materials, 1992, 196-198, 824-828.	1.3	5
586	Line-emission cross sections for the charge-exchange reaction between fully stripped carbon and atomic hydrogen in tokamak plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 166, 35-39.	0.9	4
587	Electric field profile of a Compact Helical System Heliotron/Torsatron plasma with tangential neutral beam injection. Physics of Fluids B, 1991, 3, 515-518.	1.7	37
588	On Radial Electric Field Structurein CHS Torsatron/Heliotron. Journal of the Physical Society of Japan, 1991, 60, 3698-3705.	0.7	17
589	Observation of toroidal plasma rotation driven by the electric field induced by loss of ions. Nuclear Fusion, 1991, 31, 943-947.	1.6	31
590	Fast cooling phenomena with ice pellet injection in the JIPP T-IIU tokamak. Plasma Physics and Controlled Fusion, 1991, 33, 583-594.	0.9	13
591	Application of the intermediate frequency range fast wave to the JIPP TII-U plasma. Nuclear Fusion, 1991, 31, 1369-1381.	1.6	11
592	Observation of parallel viscosity in a stellarator. Physical Review Letters, 1991, 67, 58-61.	2.9	54
593	Irregular isoantibodies in the sera of patients undergoing chronic hemodialysis. International Journal of Artificial Organs, 1991, 14, 136-40.	0.7	2
594	Temperature-controlled graphite limiter experiments in CHS plasma. Journal of Nuclear Materials, 1990, 176-177, 174-179.	1.3	5

#	Article	IF	Citations
595	Fast wave heating at intermediate ion cyclotron harmonics on the JIPP T-IIU tokamak. Nuclear Fusion, 1990, 30, 1585-1593.	1.6	3
596	Impurity pellet injection into current driven plasmas of the JIPP T-IIU tokamak. Nuclear Fusion, 1990, 30, 938-944.	1.6	12
597	Role of edge magnetic shear on the limiterH-mode transition of the JIPP T-IIU tokamak. Physical Review Letters, 1990, 64, 1895-1898.	2.9	50
598	Edge electric-field profiles of H-mode plasmas in the JFT-2M tokamak. Physical Review Letters, 1990, 65, 1364-1367.	2.9	280
599	Magneticâ€field study in a compact helical system. Review of Scientific Instruments, 1990, 61, 686-692.	0.6	25
600	Z_{eff}measurements and low-Z impurity transport for NBI and ICRF heated plasmas in JIPP T-IIU. Nuclear Fusion, 1990, 30, 665-674.	1.6	19
601	Limiter H-mode and other improved confinement regimes with ICRF and NBI heating in JIPP T-IIU. Nuclear Fusion, 1990, 30, 1197-1214.	1.6	11
602	Spaceâ€•and timeâ€resolved measurements of ion temperature with the CVI 5292â€Å... chargeâ€exchange recombination line after subtracting background radiation. Review of Scientific Instruments, 1989, 60, 867-871.	0.6	65
603	Impurity behaviour in PBX L- and H-mode plasmas. Nuclear Fusion, 1989, 29, 231-250.	1.6	38
604	Power absorption and confinement studies of ICRF-heated plasma in JIPP T-IIU Tokamak. Plasma Physics and Controlled Fusion, 1989, 31, 2127-2136.	0.9	2
605	Resonant helical divertor experiments in ohmic and auxiliary heated JIPP T-IIU plasmas. Journal of Nuclear Materials, 1989, 162-164, 636-642.	1.3	24
606	High power ICRF heating experiments on the JIPP T-IIU tokamak. Nuclear Fusion, 1989, 29, 1873-1885.	1.6	8
607	An ICRF heating experiment using a phased antenna array. Nuclear Fusion, 1988, 28, 577-584.	1.6	13
608	Parameter Dependence of Ray Trajectory and Damping for the Ion Bernstein Wave in the TNT-A Tokamak. Japanese Journal of Applied Physics, 1987, 26, 505-506.	0.8	8
609	Observation ofz-dependent impurity accumulation in the PBX tokamak. Physical Review Letters, 1987, 58, 116-119.	2.9	46
610	Observation of impurity accumulation and concurrent impurity influx in PBX. Journal of Nuclear Materials, 1987, 145-147, 580-586.	1.3	7
611	Some effects of MHD activity on impurity transport in the PBX Tokamak. Plasma Physics and Controlled Fusion, 1986, 28, 879-895.	0.9	21
612	Effects of plasma indentation and neutral beam injection orientation on MHD instabilities in PBX. Plasma Physics and Controlled Fusion, 1986, 28, 1319-1328.	0.9	8

#	Article	IF	Citations
613	High-Î²Plasmas in the PBX Tokamak. Physical Review Letters, 1986, 57, 1891-1894.	2.9	18
614	Tangential Neutral-Beam-Driven Instabilities in the Princeton Beta Experiment. Physical Review Letters, 1986, 57, 835-838.	2.9	82
615	SPRED spectrograph upgrade: Highâ€resolution grating and improved absolute calibrations. Review of Scientific Instruments, 1986, 57, 2043-2045.	0.6	31
616	Effect of Current Density Profile onq(a) Limit in Non-Circular Tokamak TNT-A. Journal of the Physical Society of Japan, 1985, 54, 1823-1829.	0.7	0
617	Ion-Bernstein-Wave Heating in the JIPPT-II-U Tokamak Plasma. Physical Review Letters, 1985, 54, 2339-2342.	2.9	67
618	Charge exchange recombination spectroscopy measurements of ion temperature and plasma rotation in PBX. Review of Scientific Instruments, 1985, 56, 865-867.	0.6	19
619	Observation of fast wave and mode-converted ion Bernstein wave by magnetic probes and 2-mm microwave scattering. Nuclear Fusion, 1984, 24, 375-378.	1.6	13
620	Particle fueling and impurity control in PDX. Journal of Nuclear Materials, 1984, 128-129, 330-339.	1.3	30
621	Direct measurement of fast magneto-sonic wave near the ion-ion hybrid resonance layer by magnetic probes. Nuclear Fusion, 1983, 23, 1259-1262.	1.6	10
622	A Method to Determine Shape of Plasma Cross Section in a Non-Circular Tokamak. Japanese Journal of Applied Physics, 1983, 22, 1587-1591.	0.8	0
623	Estimation of Solidification Time During Casting by Use of a Heat Transfer Model. Journal of Dental Research, 1982, 61, 1188-1191.	2.5	2
624	Characterization of isotope effect on ion internal transport barrier and its parameter dependence in Large Helical Device. Nuclear Fusion, 0, , .	1.6	2
625	Joint meeting of 9th Asia Pacic-Transport Working Group (APTWG) & EU-US Transport Task Force (TTF) workshop. Nuclear Fusion, 0, , .	1.6	0