Katsumi Ida

List of Publications by Year in descending order

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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	Identification of Zonal Flows in a Toroidal Plasma. Physical Review Letters, 2004, 93, 165002.	2.9	331
2	Edge electric-field profiles of H-mode plasmas in the JFT-2M tokamak. Physical Review Letters, 1990, 65, 1364-1367.	2.9	280
3	Overview of the Large Helical Device project. Nuclear Fusion, 1999, 39, 1245-1256.	1.6	270
4	Initial physics achievements of large helical device experiments. Physics of Plasmas, 1999, 6, 1843-1850.	0.7	176
5	Electron Thermal Transport Barrier and Density Fluctuation Reduction in a Toroidal Helical Plasma. Physical Review Letters, 1999, 82, 2669-2672.	2.9	168
6	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
7	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	1.6	165
8	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	1.6	128
9	Goal and Achievements of Large Helical Device Project. Fusion Science and Technology, 2010, 58, 1-11.	0.6	127
10	Recent advances in the LHD experiment. Nuclear Fusion, 2003, 43, 1674-1683.	1.6	119
11	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	1.6	116
12	Observation of Plasma Flow at the Magnetic Island in the Large Helical Device. Physical Review Letters, 2001, 88, 015002.	2.9	111
13	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
14	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	0.9	106
15	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
16	Core electron-root confinement (CERC) in helical plasmas. Nuclear Fusion, 2007, 47, 1213-1219.	1.6	97
17	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
18	An overview of intrinsic torque and momentum transport bifurcations in toroidal plasmas. Nuclear Fusion, 2013, 53, 104019.	1.6	89

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19	Evidence for a Toroidal-Momentum-Transport Nondiffusive Term from the JFT-2M Tokamak. Physical Review Letters, 1995, 74, 1990-1993.	2.9	86
20	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
21	Observation of Reduced Heat Transport inside the Magnetic Island OÂPoint in the Large Helical Device. Physical Review Letters, 2004, 92, 055002.	2.9	83
22	Charge-Exchange Spectroscopy with Pitch-Controlled Double-Slit Fiber Bundle on LHD. Fusion Science and Technology, 2010, 58, 375-382.	0.6	83
23	Performance of Wendelstein 7-X stellarator plasmas during the first divertor operation phase. Physics of Plasmas, 2019, 26, .	0.7	83
24	Tangential Neutral-Beam-Driven Instabilities in the Princeton Beta Experiment. Physical Review Letters, 1986, 57, 835-838.	2.9	82
25	Neoclassical plasma viscosity and transport processes in non-axisymmetric tori. Nuclear Fusion, 2015, 55, 125001.	1.6	80
26	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
27	Edge poloidal rotation profiles of Hâ€•mode plasmas in the JFTâ€2M tokamak. Physics of Fluids B, 1992, 4, 2552-2559.	1.7	74
28	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
29	Observation of Long-Distance Radial Correlation in Toroidal Plasma Turbulence. Physical Review Letters, 2011, 107, 115001.	2.9	72
30	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
31	Internal transport barrier in tokamak and helical plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 033001.	0.9	70
32	Demonstration of reduced neoclassical energy transport in Wendelstein 7-X. Nature, 2021, 596, 221-226.	13.7	69
33	Rotation and momentum transport in tokamaks and helical systems. Nuclear Fusion, 2014, 54, 045001.	1.6	68
34	Ion-Bernstein-Wave Heating in the JIPPT-II-U Tokamak Plasma. Physical Review Letters, 1985, 54, 2339-2342.	2.9	67
35	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
36	Experimental study of the bifurcation nature of the electrostatic potential of a toroidal helical plasma. Physics of Plasmas, 2000, 7, 4152.	0.7	66

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37	Comparison of transient electron heat transport in LHD helical and JT-60U tokamak plasmas. Nuclear Fusion, 2006, 46, 133-141.	1.6	66
38	Towards an emerging understanding of non-locality phenomena and non-local transport. Nuclear Fusion, 2015, 55, 013022.	1.6	66
39	Spaceâ€•and timeâ€•resolved measurements of ion temperature with the CVI 5292â€Ã… chargeâ€exchange recombination line after subtracting background radiation. Review of Scientific Instruments, 1989, 60, 867-871.	0.6	65
40	How is turbulence intensity determined by macroscopic variables in a toroidal plasma?. Nuclear Fusion, 2013, 53, 113006.	1.6	65
41	Dynamic Behavior of Potential in the Plasma Core of the CHS Heliotron/Torsatron. Physical Review Letters, 1997, 79, 1054-1057.	2.9	64
42	Experimental study of particle transport and density fluctuations in LHD. Nuclear Fusion, 2006, 46, 110-122.	1.6	64
43	Steady-state tokamak operation, ITB transition and sustainment and ECCD experiments in TRIAM-1M. Nuclear Fusion, 2005, 45, S142-S156.	1.6	63
44	Impact of nonlocal electron heat transport on the high temperature plasmas of LHD. Nuclear Fusion, 2007, 47, 449-455.	1.6	63
45	Discovery of Electric Pulsation in a Toroidal Helical Plasma. Physical Review Letters, 1998, 81, 2256-2259.	2.9	62
46	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	1.6	62
47	Edge Thermal Transport Barrier In LHD Discharges. Physical Review Letters, 2000, 84, 103-106.	2.9	60
48	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
49	Observation of dust particles by a laser scattering method in the JIPPT-IIU tokamak. Nuclear Fusion, 1997, 37, 1177-1182.	1.6	58
50	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
51	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	1.6	58
52	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
53	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	1.6	57
54	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

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55	Observation of parallel viscosity in a stellarator. Physical Review Letters, 1991, 67, 58-61.	2.9	54
56	Density peaking in the JFT-2M tokamak plasma with counter neutral-beam injection. Physical Review Letters, 1992, 68, 182-185.	2.9	54
57	On impurity handling in high performance stellarator/heliotron plasmas. Nuclear Fusion, 2009, 49, 065005.	1.6	54
58	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	1.6	54
59	Overview of LHD experiments. Nuclear Fusion, 2001, 41, 1355-1367.	1.6	53
60	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
61	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
62	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
63	Island Dynamics in the Large-Helical-Device Plasmas. Physical Review Letters, 2002, 88, 055005.	2.9	50
64	Local island divertor experiments on LHD. Journal of Nuclear Materials, 2005, 337-339, 154-160.	1.3	50
65	Confinement physics study in a small low aspect ratio helical device: CHS. Nuclear Fusion, 1999, 39, 1337-1350.	1.6	49
66	Physics and engineering design of the low aspect ratio quasi-axisymmetric stellarator CHS-qa. Nuclear Fusion, 2001, 41, 1865-1871.	1.6	47
67	Observation ofz-dependent impurity accumulation in the PBX tokamak. Physical Review Letters, 1987, 58, 116-119.	2.9	46
68	High beta discharges with neutral beam injection in CHS. Nuclear Fusion, 1995, 35, 283-296.	1.6	46
69	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
70	Observation of an impurity hole in the Large Helical Device. Nuclear Fusion, 2009, 49, 062002.	1.6	46
71	Reduction of Ion Thermal Diffusivity Inside a Magnetic Island in JT-60U Tokamak Plasma. Physical Review Letters, 2012, 109, 065001.	2.9	46
72	Experimental Evidence of a Zonal Magnetic Field in a Toroidal Plasma. Physical Review Letters, 2007, 98, 165001.	2.9	45

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73	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
74	An overview of KSTAR results. Nuclear Fusion, 2013, 53, 104005.	1.6	45
75	MHD characteristics in the high beta regime of the Large Helical Device. Nuclear Fusion, 2001, 41, 1177-1183.	1.6	44
76	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
77	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
78	Observation of Reversed-Shear AlfvÃ©n Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	2.9	44
79	Ion internal transport barrier in neutral beam heated plasmas on HL-2A. Nuclear Fusion, 2016, 56, 056003.	1.6	44
80	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
81	Common Features of Core Electron-Root Confinement in Helical Devices. Fusion Science and Technology, 2006, 50, 327-342.	0.6	43
82	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
83	Shafranov shift in the low aspect ratio heliotron/torsatron Compact Helical System. Nuclear Fusion, 1992, 32, 25-32.	1.6	42
84	Ion and electron heating in ICRF heating experiments on LHD. Nuclear Fusion, 2001, 41, 1021-1035.	1.6	41
85	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
86	Fluid features of the stochastic layer transport in LHD. Nuclear Fusion, 2008, 48, 024012.	1.6	41
87	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
88	Inter-machine validation study of neoclassical transport modelling in medium- to high-density stellarator-heliotron plasmas. Nuclear Fusion, 2013, 53, 063022.	1.6	40
89	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
90	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. Nuclear Fusion, 2003, 43, 749-755.	1.6	39

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91	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. Nuclear Fusion, 2011, 51, 083022.	1.6	39
92	Plasma flow, turbulence and magnetic islands in TJ-II. Nuclear Fusion, 2016, 56, 026011.	1.6	39
93	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
94	Impurity behaviour in PBX L- and H-mode plasmas. Nuclear Fusion, 1989, 29, 231-250.	1.6	38
95	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	1.6	38
96	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	0.7	38
97	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
98	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
99	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
100	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
101	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
102	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
103	Development of Thomson scattering diagnostics for the large helical device. Fusion Engineering and Design, 1997, 34-35, 67-72.	1.0	37
104	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
105	Characteristics of MHD Equilibrium and Related Issues on LHD. Fusion Science and Technology, 2010, 58, 160-175.	0.6	37
106	Integrated discharge scenario for high-temperature helical plasma in LHD. Nuclear Fusion, 2015, 55, 113020.	1.6	37
107	Transition behaviour in the H-mode of the CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1996, 38, 1289-1293.	0.9	36
108	Transition between Internal Transport Barriers with Different Temperature-Profile Curvatures in JT-60U Tokamak Plasmas. Physical Review Letters, 2008, 101, 055003.	2.9	36

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109	High spatial and temporal resolution charge exchange recombination spectroscopy on the HL-2A tokamak. Review of Scientific Instruments, 2014, 85, 103503.	0.6	36
110	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
111	Nondiffusive Toroidal-Momentum-Transport in the JFT-2M Tokamak Plasmas. Journal of the Physical Society of Japan, 1998, 67, 4089-4097.	0.7	35
112	Towards improved confinement: Analysis of the radial electric field in LHD. Nuclear Fusion, 2002, 42, 143-149.	1.6	35
113	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
114	Microwave Doppler reflectometer system in LHD. Review of Scientific Instruments, 2012, 83, 10E322.	0.6	35
115	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	1.6	35
116	Quasilinear carbon transport in an impurity hole plasma in LHD. Physics of Plasmas, 2014, 21, .	0.7	35
117	Turbulence Response in the High Ti Discharge of the LHD. Plasma and Fusion Research, 2010, 5, S2053-S2053.	0.3	35
118	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
119	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
120	Plasma performance and impurity behaviour in long pulse discharges on LHD. Nuclear Fusion, 2003, 43, 219-227.	1.6	34
121	Increased understanding of neoclassical internal transport barriers in CHS. Nuclear Fusion, 2004, 44, 342-349.	1.6	34
122	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
123	Turbulence and transport characteristics of a barrier in a toroidal plasma. Plasma Physics and Controlled Fusion, 2006, 48, S205-S212.	0.9	32
124	SPRED spectrograph upgrade: Highâ€resolution grating and improved absolute calibrations. Review of Scientific Instruments, 1986, 57, 2043-2045.	0.6	31
125	Observation of toroidal plasma rotation driven by the electric field induced by loss of ions. Nuclear Fusion, 1991, 31, 943-947.	1.6	31
126	High Ion Temperature Mode in Heliotron-E. Physical Review Letters, 1996, 76, 1268-1271.	2.9	31

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127	Particle fueling and impurity control in PDX. Journal of Nuclear Materials, 1984, 128-129, 330-339.	1.3	30
128	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	0.9	30
129	Physics of internal transport barrier of toroidal helical plasmas. Physics of Plasmas, 2007, 14, 020702.	0.7	30
130	Experimental study of the poloidal flow effect on magnetic island dynamics in LHD and TJ-II. Nuclear Fusion, 2011, 51, 083030.	1.6	30
131	Mode locking phenomena observed near the stability boundary of the ideal interchange mode of LHD. Nuclear Fusion, 2012, 52, 102001.	1.6	30
132	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
133	Dynamics of edge limit cycle oscillation in the JFT-2M Tokamak. Nuclear Fusion, 2014, 54, 073017.	1.6	30
134	High frequency ion Bernstein wave heating experiment in the JIPP T-IIU tokamak. Nuclear Fusion, 1992, 32, 2189-2201.	1.6	29
135	Experiments on NBI plasmas in LHD. Plasma Physics and Controlled Fusion, 1999, 41, B157-B166.	0.9	29
136	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
137	Superdense core mode in the Large Helical Device with an internal diffusion barrier. Physics of Plasmas, 2007, 14, 056113.	0.7	29
138	Strong electron heating in CHS ICRF heating experiments. Nuclear Fusion, 1997, 37, 53-68.	1.6	28
139	Plasma confinement studies in LHD. Nuclear Fusion, 1999, 39, 1659-1666.	1.6	28
140	Edge transport barrier formation in compact helical system. Plasma Physics and Controlled Fusion, 2004, 46, A113-A119.	0.9	28
141	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
142	Flow damping due to stochastization of the magnetic field. Nature Communications, 2015, 6, 5816.	5.8	28
143	Extended capability of the integrated transport analysis suite, TASK3D-a, for LHD experiment. Nuclear Fusion, 2017, 57, 126016.	1.6	28
144	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

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145	H-mode transition in the CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1994, 36, A117-A122.	0.9	27
146	Comparison of toroidal viscosity with neoclassical theory. Physics of Plasmas, 1997, 4, 310-314.	0.7	27
147	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
148	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
149	High-density plasma with internal diffusion barrier in the Large Helical Device. Nuclear Fusion, 2009, 49, 085002.	1.6	27
150	Self-regulated oscillation of transport and topology of magnetic islands in toroidal plasmas. Scientific Reports, 2015, 5, 16165.	1.6	27
151	Overview of HL-2A recent experiments. Nuclear Fusion, 2019, 59, 112017.	1.6	27
152	Ion temperature clamping in Wendelstein 7-X electron cyclotron heated plasmas. Nuclear Fusion, 2021, 61, 116072.	1.6	27
153	Transition from L mode to high ion temperature mode in CHS heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1649-1658.	1.6	26
154	Potential fluctuation associated with the energetic-particle-induced geodesic acoustic mode in the Large Helical Device. Nuclear Fusion, 2011, 51, 073046.	1.6	26
155	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
156	Overview of recent HL-2A experiments. Nuclear Fusion, 2017, 57, 102013.	1.6	26
157	Magneticâ€field study in a compact helical system. Review of Scientific Instruments, 1990, 61, 686-692.	0.6	25
158	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	1.6	25
159	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
160	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
161	Formation conditions for electron internal transport barriers in JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A35-A43.	0.9	25
162	Impurity Transport Studies in the Wendelstein 7-AS Stellarator. Fusion Science and Technology, 2004, 46, 115-128.	0.6	25

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163	Transition phenomena and thermal transport properties in LHD plasmas with an electron internal transport barrier. Nuclear Fusion, 2005, 45, 1396-1403.	1.6	25
164	Edge plasma control by local island divertor in LHD. Nuclear Fusion, 2005, 45, 837-842.	1.6	25
165	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
166	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
167	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
168	Recent Progress of MHD Study in High-Beta Plasmas of LHD. Fusion Science and Technology, 2006, 50, 177-185.	0.6	24
169	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
170	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
171	Nonlinear Excitation of Subcritical Instabilities in a Toroidal Plasma. Physical Review Letters, 2016, 116, 015003.	2.9	24
172	Experimental confirmation of efficient island divertor operation and successful neoclassical transport optimization in Wendelstein 7-X. Nuclear Fusion, 2022, 62, 042022.	1.6	24
173	Overview of the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 1165-1177.	0.9	23
174	Photon-counting CCD detector as a tool of x-ray imaging. Review of Scientific Instruments, 2001, 72, 717-720.	0.6	23
175	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
176	Beam emission spectroscopy measurement for density fluctuations in compact helical system. Review of Scientific Instruments, 2004, 75, 4118-4120.	0.6	23
177	Comparative divertor-transport study for helical devices. Nuclear Fusion, 2009, 49, 095002.	1.6	23
178	Study of MHD Stability in LHD. Fusion Science and Technology, 2010, 58, 176-185.	0.6	23
179	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
180	Abrupt onset of tongue deformation and phase space response of ions in magnetically-confined plasmas. Scientific Reports, 2016, 6, 36217.	1.6	23

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181	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
182	Experimental test of the radial force balance equation in the compact helical system. Physics of Plasmas, 2001, 8, 1-4.	0.7	22
183	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
184	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
185	Slow Transition of Energy Transport in High-Temperature Plasmas. Physical Review Letters, 2006, 96, 125006.	2.9	22
186	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
187	Some effects of MHD activity on impurity transport in the PBX Tokamak. Plasma Physics and Controlled Fusion, 1986, 28, 879-895.	0.9	21
188	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
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