

Naoki Tamura

List of Publications by Year in descending order

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243
papers

4,657
citations

81900

39
h-index

144013

57
g-index

246
all docs

246
docs citations

246
times ranked

1654
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	3.5	165
2	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	3.5	128
3	Recent advances in the LHD experiment. Nuclear Fusion, 2003, 43, 1674-1683.	3.5	119
4	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116
5	Magnetic configuration effects on the Wendelstein 7-X stellarator. Nature Physics, 2018, 14, 855-860.	16.7	110
6	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	2.1	106
7	Observation of an impurity hole in a plasma with an ion internal transport barrier in the Large Helical Device. Physics of Plasmas, 2009, 16, .	1.9	91
8	Observation of Reduced Heat Transport inside the Magnetic Island O-Point in the Large Helical Device. Physical Review Letters, 2004, 92, 055002.	7.8	83
9	Tungsten spectra recorded at the LHD and comparison with calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 205004.	1.5	78
10	Observation of Long-Distance Radial Correlation in Toroidal Plasma Turbulence. Physical Review Letters, 2011, 107, 115001.	7.8	72
11	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.	2.1	70
12	Temperature Variation in the Cutting Tool in End Milling. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2011, 133, .	2.2	68
13	Observation of the "Self-Healing" of an Error Field Island in the Large Helical Device. Physical Review Letters, 2001, 87, 135002.	7.8	67
14	Comparison of transient electron heat transport in LHD helical and JT-60U tokamak plasmas. Nuclear Fusion, 2006, 46, 133-141.	3.5	66
15	Towards an emerging understanding of non-locality phenomena and non-local transport. Nuclear Fusion, 2015, 55, 013022.	3.5	66
16	How is turbulence intensity determined by macroscopic variables in a toroidal plasma?. Nuclear Fusion, 2013, 53, 113006.	3.5	65
17	Impact of nonlocal electron heat transport on the high temperature plasmas of LHD. Nuclear Fusion, 2007, 47, 449-455.	3.5	63
18	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	3.5	62

#	ARTICLE	IF	CITATIONS
19	Formation of electron internal transport barrier and achievement of high ion temperature in Large Helical Device. <i>Physics of Plasmas</i> , 2003, 10, 1788-1795.	1.9	59
20	Reduction of Ion Thermal Diffusivity Associated with the Transition of the Radial Electric Field in Neutral-Beam-Heated Plasmas in the Large Helical Device. <i>Physical Review Letters</i> , 2001, 86, 5297-5300.	7.8	58
21	Radial electric field and transport near the rational surface and the magnetic island in LHD. <i>Nuclear Fusion</i> , 2004, 44, 290-295.	3.5	58
22	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. <i>Nuclear Fusion</i> , 2004, 44, 217-225.	3.5	57
23	Energy confinement and thermal transport characteristics of net current free plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2001, 41, 901-908.	3.5	56
24	On impurity handling in high performance stellarator/heliotron plasmas. <i>Nuclear Fusion</i> , 2009, 49, 065005.	3.5	54
25	Development of net-current free heliotron plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2009, 49, 104015.	3.5	54
26	Overview of LHD experiments. <i>Nuclear Fusion</i> , 2001, 41, 1355-1367.	3.5	53
27	Overview of physics results from the conclusive operation of the National Spherical Torus Experiment. <i>Nuclear Fusion</i> , 2013, 53, 104007.	3.5	53
28	Control of the radial electric field shear by modification of the magnetic field configuration in LHD. <i>Nuclear Fusion</i> , 2005, 45, 391-398.	3.5	51
29	Detachment stabilization with $n/m=1/1$ resonant magnetic perturbation field applied to the stochastic magnetic boundary of the Large Helical Device. <i>Physics of Plasmas</i> , 2010, 17, 056111.	1.9	51
30	Island Dynamics in the Large-Helical-Device Plasmas. <i>Physical Review Letters</i> , 2002, 88, 055005.	7.8	50
31	Control of 3D edge radiation structure with resonant magnetic perturbation fields applied to the stochastic layer and stabilization of radiative divertor plasma in LHD. <i>Nuclear Fusion</i> , 2013, 53, 093032.	3.5	48
32	Characteristics of transport in electron internal transport barriers and in the vicinity of rational surfaces in the Large Helical Device. <i>Physics of Plasmas</i> , 2004, 11, 2551-2557.	1.9	46
33	Observation of an impurity hole in the Large Helical Device. <i>Nuclear Fusion</i> , 2009, 49, 062002.	3.5	46
34	Tracer-encapsulated solid pellet injection system. <i>Review of Scientific Instruments</i> , 2012, 83, 023503.	1.3	45
35	MHD characteristics in the high beta regime of the Large Helical Device. <i>Nuclear Fusion</i> , 2001, 41, 1177-1183.	3.5	44
36	Extended steady-state and high-beta regimes of net-current free heliotron plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2007, 47, S668-S676.	3.5	44

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37	Quasi-Moseley's law for strong narrow bandwidth soft x-ray sources containing higher charge-state ions. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	43
38	Abrupt reduction of core electron heat transport in response to edge cooling on the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, A251-A257.	2.1	41
39	Overview of results from the National Spherical Torus Experiment (NSTX). <i>Nuclear Fusion</i> , 2009, 49, 104016.	3.5	41
40	Particle transport diagnostics on CHS and LHD with tracer-encapsulated solid pellet injection. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 129-135.	2.1	39
41	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. <i>Nuclear Fusion</i> , 2003, 43, 749-755.	3.5	39
42	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. <i>Nuclear Fusion</i> , 2011, 51, 083022.	3.5	39
43	Overview of confinement and MHD stability in the Large Helical Device. <i>Nuclear Fusion</i> , 2005, 45, S255-S265.	3.5	38
44	Integrated discharge scenario for high-temperature helical plasma in LHD. <i>Nuclear Fusion</i> , 2015, 55, 113020.	3.5	37
45	Density limit study focusing on the edge plasma parameters in LHD. <i>Nuclear Fusion</i> , 2008, 48, 015003.	3.5	36
46	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2013, 53, 104015.	3.5	35
47	Plasma performance and impurity behaviour in long pulse discharges on LHD. <i>Nuclear Fusion</i> , 2003, 43, 219-227.	3.5	34
48	Observation of core electron temperature rise in response to an edge cooling in toroidal helical plasmas. <i>Physics of Plasmas</i> , 2005, 12, 110705.	1.9	33
49	Impurity transport studies by means of tracer-encapsulated solid pellet injection in neutral beam heated plasmas on LHD. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 27-41.	2.1	30
50	Extension and characteristics of an ECRH plasma in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, A81-A90.	2.1	30
51	Analysis of EUV spectra of Sn XIXâ€“XXII observed in low-density plasmas in the Large Helical Device. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 074027.	1.5	30
52	Superdense core mode in the Large Helical Device with an internal diffusion barrier. <i>Physics of Plasmas</i> , 2007, 14, 056113.	1.9	29
53	Measurement and Modeling of Densityâ€“Sensitive Lines of Fe<sc>xiii</sc> in the Extreme Ultraviolet. <i>Astrophysical Journal</i> , 2008, 689, 646-652.	4.5	28
54	Flow damping due to stochastization of the magnetic field. <i>Nature Communications</i> , 2015, 6, 5816.	12.8	28

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55	Extension of the operational regime in high-temperature plasmas and the dynamic-transport characteristics in the LHD. Nuclear Fusion, 2013, 53, 073034.	3.5	26
56	Development of quantitative atomic modeling for tungsten transport study using LHD plasma with tungsten pellet injection. Nuclear Fusion, 2015, 55, 093016.	3.5	26
57	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	3.5	25
58	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
59	Ion cyclotron range of frequencies heating and high-energy particle production in the Large Helical Device. Nuclear Fusion, 2003, 43, 738-743.	3.5	25
60	Transition phenomena and thermal transport properties in LHD plasmas with an electron internal transport barrier. Nuclear Fusion, 2005, 45, 1396-1403.	3.5	25
61	Observation of EUV spectra from gadolinium and neodymium ions in the Large Helical Device. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 135002.	1.5	24
62	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.	2.1	24
63	Charge-state independent anomalous transport for a wide range of different impurity species observed at Wendelstein 7-X. Physics of Plasmas, 2020, 27, .	1.9	24
64	Comparative divertor-transport study for helical devices. Nuclear Fusion, 2009, 49, 095002.	3.5	23
65	Dynamics of ion internal transport barrier in LHD heliotron and JT-60U tokamak plasmas. Nuclear Fusion, 2009, 49, 095024.	3.5	21
66	Improvements of data quality of the LHD Thomson scattering diagnostics in high-temperature plasma experiments. Review of Scientific Instruments, 2010, 81, 10D522.	1.3	21
67	Development of impurity seeding and radiation enhancement in the helical divertor of LHD. Nuclear Fusion, 2015, 55, 083016.	3.5	21
68	Observation of multi-scale turbulence and non-local transport in LHD plasmas. Physics of Plasmas, 2014, 21, 055904.	1.9	20
69	Cold pulse experiments in plasma with an electron internal transport barrier on LHD. Plasma Physics and Controlled Fusion, 2004, 46, A71-A76.	2.1	19
70	Experimental study of radial electric field and electrostatic potential fluctuation in the Large Helical Device. Plasma Physics and Controlled Fusion, 2010, 52, 124025.	2.1	19
71	EUV spectroscopy of highly charged high Z ions in the Large Helical Device plasmas. Physica Scripta, 2014, 89, 114009.	2.5	19
72	Observation of a reduced-turbulence regime with boron powder injection in a stellarator. Nature Physics, 2022, 18, 350-356.	16.7	19

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73	Experimental study on ion temperature behaviours in ECH, ICRF and NBI H ₂ , He and Ne discharges of the Large Helical Device. Nuclear Fusion, 2003, 43, 899-909.	3.5	18
74	Interpretation of spectral emission in the 20 nm region from tungsten ions observed in fusion device plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175004.	1.5	18
75	Observation of visible forbidden lines from highly charged tungsten ions at the large helical device. Physica Scripta, 2013, T156, 014081.	2.5	18
76	Overview of Progress in LHD Experiments. Fusion Science and Technology, 2006, 50, 136-145.	1.1	17
77	First impurity powder injection experiments in LHD. Nuclear Materials and Energy, 2020, 25, 100842.	1.3	17
78	Role of core radiation during slow oscillations in LHD. Nuclear Fusion, 2001, 41, 519-525.	3.5	16
79	Experimental studies towards long pulse steady state operation in LHD. Nuclear Fusion, 2001, 41, 779-790.	3.5	16
80	Improved plasma performance on Large Helical Device. Physics of Plasmas, 2001, 8, 2002-2008.	1.9	16
81	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.	1.1	16
82	Self-sustained detachment in the Large Helical Device. Nuclear Fusion, 2006, 46, 532-540.	3.5	16
83	Development of steady-state operation using ion cyclotron heating in the Large Helical Device. Physics of Plasmas, 2014, 21, 061505.	1.9	16
84	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.	1.9	15
85	Density Limits for the Core and Edge Plasmas Related to the Local Temperatures in LHD. Fusion Science and Technology, 2010, 58, 200-207.	1.1	15
86	Impurity shielding criteria for steady state hydrogen plasmas in the LHD, a heliotron-type device. Plasma Physics and Controlled Fusion, 2014, 56, 075014.	2.1	15
87	Extension of Improved Particle and Energy Confinement Regime in the Core of LHD Plasma. Plasma and Fusion Research, 2009, 4, 027-027.	0.7	15
88	Development and initial operation of the pellet charge exchange diagnostic on LHD heliotron. Review of Scientific Instruments, 2003, 74, 1869-1872.	1.3	14
89	Recent results from the Large Helical Device. Plasma Physics and Controlled Fusion, 2003, 45, 671-686.	2.1	14
90	Local pellet based and line-integrated nonperturbing charge exchange measurements with a compact neutral particle analyzer on Large Helical Device. Review of Scientific Instruments, 2006, 77, 10F119.	1.3	14

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91	Model prediction of impurity retention in stochastic magnetic boundary and comparison with edge carbon emission in LHD. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 325-329.	2.7	14
92	Transport characteristics of tracer and intrinsic impurities depending on the density of LHD plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 095014.	2.1	14
93	Explicit approximations to estimate the perturbative diffusivity in the presence of convectivity and damping. I. Semi-infinite slab approximations. <i>Physics of Plasmas</i> , 2014, 21, 112507.	1.9	14
94	Temperature dependent EUV spectra of Gd, Tb and Dy ions observed in the Large Helical Device. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 144012.	1.5	14
95	Systematic Observation of EUV Spectra from Highly Charged Lanthanide Ions in the Large Helical Device. <i>Atoms</i> , 2018, 6, 24.	1.6	14
96	Effect of a magnetic island on the three-dimensional structure of edge radiation and its consequences on detachment in the Large Helical Device (EX-D). <i>Nuclear Fusion</i> , 2011, 51, 073005.	3.5	13
97	Fluctuations with long-distance correlation in quasi-stationary and transient plasmas of LHD. <i>Nuclear Fusion</i> , 2012, 52, 023022.	3.5	13
98	Development of a cascade arc discharge source for an atmosphere-vacuum interface device. <i>Review of Scientific Instruments</i> , 2016, 87, 083503.	1.3	13
99	Strong suppression of impurity accumulation in steady-state hydrogen discharges with high power NBI heating on LHD. <i>Nuclear Fusion</i> , 2017, 57, 056003.	3.5	13
100	The isotope effect on impurities and bulk ion particle transport in the Large Helical Device. <i>Nuclear Fusion</i> , 2019, 59, 056029.	3.5	13
101	First neutral beam experiments on Wendelstein 7-X. <i>Nuclear Fusion</i> , 2021, 61, 096008.	3.5	13
102	Spectroscopic diagnostics for ablation cloud of tracer-encapsulated solid pellet in LHD. <i>Review of Scientific Instruments</i> , 2008, 79, 10F541.	1.3	12
103	Multiple-tracer TESPEL injection for studying impurity behaviour in a magnetically confined plasma. <i>Nuclear Fusion</i> , 2012, 52, 063012.	3.5	12
104	Higher Harmonics in a Perturbative Transport Experiment. <i>Plasma and Fusion Research</i> , 2013, 8, 1202173-1202173.	0.7	12
105	Study of non-linear coupling of fluctuations at long distance in LHD. <i>Nuclear Fusion</i> , 2014, 54, 114014.	3.5	12
106	Tracer-Encapsulated Solid Pellet (TESPEL) injection system for Wendelstein 7-X. <i>Review of Scientific Instruments</i> , 2018, 89, 10K112.	1.3	12
107	Overview of recent TJ-II stellarator results. <i>Nuclear Fusion</i> , 2019, 59, 112019.	3.5	12
108	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). <i>Physics of Plasmas</i> , 2000, 7, 1802-1808.	1.9	11

#	ARTICLE	IF	CITATIONS
109	Overview of large helical device diagnostics (invited). Review of Scientific Instruments, 2001, 72, 483-491.	1.3	11
110	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.	2.1	11
111	Extreme ultraviolet spectroscopy and atomic models of highly charged heavy ions in the Large Helical Device. Plasma Physics and Controlled Fusion, 2017, 59, 014009.	2.1	11
112	Comparison of cryogenic (hydrogen) and TESPEL (polystyrene) pellet particle deposition in a magnetically confined plasma. Europhysics Letters, 2017, 120, 25001.	2.0	11
113	High-density cascade arc plasma sources for application to plasma windows for virtual vacuum interfaces. Physics of Plasmas, 2018, 25, 113511.	1.9	11
114	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	1.1	10
115	Experiment of magnetic island formation in Large Helical Device. Nuclear Fusion, 2005, 45, 888-893.	3.5	10
116	Electrostatic Potential Measurement by Using 6-MeV Heavy Ion Beam Probe on LHD. Plasma and Fusion Research, 2008, 3, 031-031.	0.7	10
117	EUV spectra from highly charged tin ions observed in low density plasmas in LHD. Journal of Physics: Conference Series, 2009, 163, 012019.	0.4	10
118	Overview of physics results from NSTX. Nuclear Fusion, 2011, 51, 094011.	3.5	10
119	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.	3.5	10
120	Tracer-Encapsulated Solid Pellet (TESPEL) injection system for the TJ-II stellarator. Review of Scientific Instruments, 2016, 87, 11D619.	1.3	10
121	The impact of fast electrons on pellet injection in the stellarator TJ-II. Plasma Physics and Controlled Fusion, 2019, 61, 014013.	2.1	10
122	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, 1127-1142.	2.1	9
123	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, A425-A443.	2.1	9
124	Potential Measurement with the 6-MeV Heavy Ion Beam Probe of LHD. Plasma and Fusion Research, 2010, 5, S1015-S1015.	0.7	9
125	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.	2.1	9
126	Long Range Temperature Fluctuation in LHD. Plasma and Fusion Research, 2011, 6, 1402017-1402017.	0.7	9

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127	Overview of the TJ-II stellarator research programme towards model validation in fusion plasmas. Nuclear Fusion, 2022, 62, 042025.	3.5	9
128	Optimization of CXRS TESPEL diagnostics on LHD in the visible spectral range. Plasma Physics and Controlled Fusion, 2002, 44, 277-292.	2.1	8
129	Active Neutral Particle Diagnostics on LHD by Locally Enhanced Charge Exchange on an Impurity Pellet Ablation Cloud. Fusion Science and Technology, 2006, 50, 222-228.	1.1	8
130	Pellet charge exchange helium measurement using neutral particle analyzer in large helical device. Review of Scientific Instruments, 2008, 79, 10E518.	1.3	8
131	The 3rd Asia-Pacific Transport Working Group (APTWC) Meeting. Nuclear Fusion, 2014, 54, 047001.	3.5	8
132	Creation of Impurity Source inside Plasmas with Various Types of Tracer-Encapsulated Solid Pellet. Plasma and Fusion Research, 2015, 10, 1402056-1402056.	0.7	8
133	Radiated power distributions in impurity-seeded plasmas in LHD. Journal of Nuclear Materials, 2015, 463, 640-643.	2.7	8
134	Plasma termination by excess pellet fueling and impurity injection in TJ-II, the Large Helical Device and Wendelstein 7-X. Nuclear Fusion, 2019, 59, 076010.	3.5	8
135	New Method of Analysis for Dynamical Transport. Plasma and Fusion Research, 2013, 8, 1202172-1202172.	0.7	8
136	Coupling between long-range toroidal correlations and radial transport in the TJ-II boundary plasma. Nuclear Fusion, 2011, 51, 063025.	3.5	7
137	Characteristics of an under-expanded supersonic flow in arcjet plasmas. Japanese Journal of Applied Physics, 2018, 57, 066101.	1.5	7
138	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.	3.5	7
139	Observation of a Rotating Radiation Belt in LHD. Journal of Plasma and Fusion Research, 2005, 81, 649-650.	0.4	7
140	Transport Dynamics and Multi-Scale Coupling of Turbulence in LHD. Plasma and Fusion Research, 2008, 3, S1006-S1006.	0.7	7
141	Parameter Regime of Ion Internal Transport Barrier Formation in the Large Helical Device. Plasma and Fusion Research, 2010, 5, S2029-S2029.	0.7	7
142	Application of tomographic imaging to photodiode arrays in large helical device. Review of Scientific Instruments, 2006, 77, 10F501.	1.3	6
143	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.	1.1	6
144	Bi-Coherence Analysis of Fluctuations with Long Distance Correlation in Toroidal Plasmas. Journal of the Physical Society of Japan, 2012, 81, 034501.	1.6	6

#	ARTICLE	IF	CITATIONS
145	Spectroscopic Measurement of Shock Waves in an Arcjet Plasma Expanding Through a Conical Nozzle. Plasma Science and Technology, 2013, 15, 89-92.	1.5	6
146	Plasma Diagnostics with Tracer-Encapsulated Solid Pellet. Plasma and Fusion Research, 2014, 9, 1402039-1402039.	0.7	6
147	Characteristics of x-ray emission from optically thin high-Z plasmas in the soft x-ray region. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144011.	1.5	6
148	New evidence and impact of electron transport non-linearities based on new perturbative inter-modulation analysis. Nuclear Fusion, 2017, 57, 126036.	3.5	6
149	Density Regimes of Complete Detachment and Serpens Mode in LHD. Plasma and Fusion Research, 2006, 1, 026-026.	0.7	6
150	Long-Pulse Operation and High-Energy Particle Confinement Study in ICRF Heating of LHD. Fusion Science and Technology, 2004, 46, 175-183.	1.1	5
151	Calculation of low-Z impurity pellet induced fluxes of charge exchange neutral particles escaping from magnetically confined toroidal plasmas. Review of Scientific Instruments, 2008, 79, 10F312.	1.3	5
152	Extreme ultraviolet spectra from highly charged gadolinium and neodymium ions in the Large Helical Device and laser produced plasmas. Physica Scripta, 2013, T156, 014078.	2.5	5
153	Validation of Spectroscopic Model for Fe Ions in Non-Equilibrium Ionization Plasma in LHD and Hinode. Plasma and Fusion Research, 2014, 9, 1401056-1401056.	0.7	5
154	Imaging polychromator for density measurements of polystyrene pellet cloud on the Large Helical Device. Review of Scientific Instruments, 2015, 86, 043505.	1.3	5
155	Observation of the inward propagation of spontaneous toroidal flow from the plasma boundary in LHD. Physics of Plasmas, 2016, 23, .	1.9	5
156	Mitigation of the tracer impurity accumulation by EC heating in the LHD. Plasma Physics and Controlled Fusion, 2016, 58, 114003.	2.1	5
157	Observation of the ECH effect on the impurity accumulation in the LHD. Physics of Plasmas, 2017, 24, 056118.	1.9	5
158	Analysis of higher harmonics on bidirectional heat pulse propagation experiment in helical and tokamak plasmas. Nuclear Fusion, 2017, 57, 076013.	3.5	5
159	Density dependence of transient electron thermal transport property in LHD. Nuclear Fusion, 2018, 58, 126031.	3.5	5
160	Generation of a Large Diameter He Cascade Arc Plasma for a Plasma Window Application. IEEE Transactions on Plasma Science, 2018, 46, 2626-2629.	1.3	5
161	Soft X-Ray Spectroscopy of Rare-Earth Elements in LHD Plasmas. Atoms, 2019, 7, 66.	1.6	5
162	The interpretation of magnetic activity associated with pellet injections into plasmas created in the stellarator TJ-II. Nuclear Fusion, 2021, 61, 076014.	3.5	5

#	ARTICLE	IF	CITATIONS
163	Assessment of W density in LHD core plasmas using visible forbidden lines of highly charged W ions. Nuclear Fusion, 2021, 61, 116008.	3.5	5
164	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
165	Experimental studies on NBI and ICRF heated plasmas in the large helical device. Plasma Physics and Controlled Fusion, 2000, 42, B51-B60.	2.1	4
166	Digital processing of solid state detector signals in pellet charge exchange measurements on LHD. Review of Scientific Instruments, 2004, 75, 3613-3615.	1.3	4
167	High throughput ultrasoft x-ray polychromator for embedded impurity pellet injection studies. Review of Scientific Instruments, 2005, 76, 013508.	1.3	4
168	Experimental Study on Nonlocality of Heat Transport in LHD. Fusion Science and Technology, 2010, 58, 122-130.	1.1	4
169	Spontaneous Toroidal Flow and Impurity Hole in the High Ion Temperature Plasma on LHD. Fusion Science and Technology, 2010, 58, 103-112.	1.1	4
170	Characteristics of Nonlocally-coupled Transition of the Heat Transport in LHD. Contributions To Plasma Physics, 2010, 50, 514-519.	1.1	4
171	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.	1.9	4
172	Digital Correlation ECE Measurement Technique with a Gigahertz Sampling Digitizer. Plasma and Fusion Research, 2014, 9, 3402021-3402021.	0.7	4
173	A comprehensive study on impurity behavior in LHD long pulse discharges. Nuclear Materials and Energy, 2017, 12, 124-132.	1.3	4
174	Improvements in a Tracer-Encapsulated Solid Pellet and Its Injector for More Advanced Plasma Diagnostics. Journal of Physics: Conference Series, 2017, 823, 012003.	0.4	4
175	Identification of S VIII through S XIV emission lines between 17.5 and 50 nm in a magnetically confined plasma. Physica Scripta, 2018, 93, 035601.	2.5	4
176	Electron Temperature Distribution Measurements in Clouds of Polystyrene Pellets Ablating in LHD Heliotron Plasma. Technical Physics Letters, 2018, 44, 384-387.	0.7	4
177	Heat flux reconstruction and effective diffusion estimation from perturbative experiments using advanced filtering and confidence analysis. Nuclear Fusion, 2018, 58, 096036.	3.5	4
178	Spectra of Ga-Like to Cu-Like Praseodymium and Neodymium Ions Observed in the Large Helical Device. Atoms, 2021, 9, 46.	1.6	4
179	Multi-Functional Diagnostic Method with Tracer-Encapsulated Pellet Injection. Plasma and Fusion Research, 2007, 2, S1013-S1013.	0.7	4
180	Helium Measurements using the Pellet Charge Exchange in Large Helical Device. Plasma and Fusion Research, 2007, 2, S1072-S1072.	0.7	4

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