

Satoshi Odachi

List of Publications by Year in descending order

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times ranked

1259
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the Large Helical Device project. Nuclear Fusion, 1999, 39, 1245-1256.	3.5	270
2	Initial physics achievements of large helical device experiments. Physics of Plasmas, 1999, 6, 1843-1850.	1.9	176
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	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	2.1	106
6	Effects of global MHD instability on operational high beta-regime in LHD. Nuclear Fusion, 2005, 45, 1247-1254.	3.5	87
7	Energetic ion driven MHD instabilities observed in the heliotron/torsatron devices Compact Helical System and Large Helical Device. Nuclear Fusion, 2000, 40, 1349-1362.	3.5	76
8	MHD study of the reactor-relevant high-beta regime in the Large Helical Device. Plasma Physics and Controlled Fusion, 2008, 50, 124014.	2.1	72
9	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
10	Observation of the "Self-Healing" of an Error Field Island in the Large Helical Device. Physical Review Letters, 2001, 87, 135002.	7.8	67
11	Discovery of Electric Pulsation in a Toroidal Helical Plasma. Physical Review Letters, 1998, 81, 2256-2259.	7.8	62
12	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	3.5	62
13	Edge Thermal Transport Barrier In LHD Discharges. Physical Review Letters, 2000, 84, 103-106.	7.8	60
14	Formation of electron internal transport barrier and achievement of high ion temperature in Large Helical Device. Physics of Plasmas, 2003, 10, 1788-1795.	1.9	59
15	Observation of dust particles by a laser scattering method in the JIPPT-IIU tokamak. Nuclear Fusion, 1997, 37, 1177-1182.	3.5	58
16	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.	7.8	58
17	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	3.5	58
18	Energy Confinement Time and Heat Transport in Initial Neutral Beam Heated Plasmas on the Large Helical Device. Physical Review Letters, 2000, 84, 1216-1219.	7.8	57

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19	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	3.5	57
20	Energy confinement and thermal transport characteristics of net current free plasmas in the Large Helical Device. Nuclear Fusion, 2001, 41, 901-908.	3.5	56
21	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
22	Overview of LHD experiments. Nuclear Fusion, 2001, 41, 1355-1367.	3.5	53
23	Island Dynamics in the Large-Helical-Device Plasmas. Physical Review Letters, 2002, 88, 055005.	7.8	50
24	Confinement physics study in a small low aspect ratio helical device: CHS. Nuclear Fusion, 1999, 39, 1337-1350.	3.5	49
25	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.	1.9	46
26	Dependence of spontaneous growth and suppression of the magnetic island on beta and collisionality in the LHD. Nuclear Fusion, 2008, 48, 075010.	3.5	45
27	MHD characteristics in the high beta regime of the Large Helical Device. Nuclear Fusion, 2001, 41, 1177-1183.	3.5	44
28	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. Nuclear Fusion, 2005, 45, 326-336.	3.5	44
29	Extended steady-state and high-beta regimes of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2007, 47, S668-S676.	3.5	44
30	Observation of Reversed-Shear Alfvén Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	7.8	44
31	Observation of energetic-ion losses induced by various MHD instabilities in the Large Helical Device (LHD). Nuclear Fusion, 2010, 50, 084005.	3.5	42
32	Ion and electron heating in ICRF heating experiments on LHD. Nuclear Fusion, 2001, 41, 1021-1035.	3.5	41
33	Ion Heating and High-Energy-Particle Production by Ion-Cyclotron Heating in the Large Helical Device. Physical Review Letters, 2000, 85, 4530-4533.	7.8	40
34	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. Nuclear Fusion, 2003, 43, 749-755.	3.5	39
35	Realization of high T _i plasmas and confinement characteristics of ITB plasmas in the LHD deuterium experiments. Nuclear Fusion, 2018, 58, 106028.	3.5	39
36	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38

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37	Observation of the low to high confinement transition in the large helical device. <i>Physics of Plasmas</i> , 2005, 12, 020701.	1.9	38
38	Characterization and operational regime of high density plasmas with internal diffusion barrier observed in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B487-B496.	2.1	38
39	Ion cyclotron range of frequency heating experiments on the large helical device and high energy ion behavior. <i>Physics of Plasmas</i> , 2001, 8, 2139-2147.	1.9	37
40	Resistive Interchange Modes Destabilized by Helically Trapped Energetic Ions in a Helical Plasma. <i>Physical Review Letters</i> , 2015, 114, 155003.	7.8	37
41	Energetic-Ion-Driven Toroidal Alfvén Eigenmodes Observed in a Heliotron/Torsatron Plasma. <i>Physical Review Letters</i> , 1999, 83, 312-315.	7.8	36
42	Observation of Helicity-Induced Alfvén Eigenmodes in Large-Helical-Device Plasmas Heated by Neutral-Beam Injection. <i>Physical Review Letters</i> , 2003, 91, 245001.	7.8	36
43	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
44	High-speed tangentially viewing soft x-ray camera to study magnetohydrodynamic fluctuations in toroidally confined plasmas (invited). <i>Review of Scientific Instruments</i> , 2003, 74, 2136-2143.	1.3	34
45	Plasma performance and impurity behaviour in long pulse discharges on LHD. <i>Nuclear Fusion</i> , 2003, 43, 219-227.	3.5	34
46	Energetic ion driven Alfvén eigenmodes in Large Helical Device plasmas with three-dimensional magnetic structure and their impact on energetic ion transport. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, S1-S13.	2.1	31
47	Initial experiments towards edge plasma control with a closed helical divertor in LHD. <i>Nuclear Fusion</i> , 2013, 53, 063014.	3.5	31
48	Investigation of the long-lived saturated internal mode and its control on the HL-2A tokamak. <i>Nuclear Fusion</i> , 2014, 54, 013010.	3.5	31
49	High speed tangential soft x-ray camera for the study of magnetohydrodynamics instabilities. <i>Review of Scientific Instruments</i> , 1999, 70, 599-602.	1.3	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	Experimental study of the poloidal flow effect on magnetic island dynamics in LHD and TJ-II. <i>Nuclear Fusion</i> , 2011, 51, 083030.	3.5	30
52	Mode locking phenomena observed near the stability boundary of the ideal interchange mode of LHD. <i>Nuclear Fusion</i> , 2012, 52, 102001.	3.5	30
53	Experiments on NBI plasmas in LHD. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, B157-B166.	2.1	29
54	Significance of MHD Effects in Stellarator Confinement. <i>Fusion Science and Technology</i> , 2006, 50, 158-170.	1.1	29

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55	Magnetic Islands Observed by a Fast-Framing Tangentially Viewing Soft X-Ray Camera on LHD and TEXTOR. Plasma Science and Technology, 2006, 8, 45-49.	1.5	29
56	Plasma confinement studies in LHD. Nuclear Fusion, 1999, 39, 1659-1666.	3.5	28
57	High-density plasma with internal diffusion barrier in the Large Helical Device. Nuclear Fusion, 2009, 49, 085002.	3.5	27
58	Self-regulated oscillation of transport and topology of magnetic islands in toroidal plasmas. Scientific Reports, 2015, 5, 16165.	3.3	27
59	Transition from L mode to high ion temperature mode in CHS heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1649-1658.	3.5	26
60	Fluctuations and transport of JFT-2M scrape-off plasma. Plasma Physics and Controlled Fusion, 1994, 36, A201-A206.	2.1	25
61	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	3.5	25
62	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
63	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
64	Formation conditions for electron internal transport barriers in JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A35-A43.	2.1	25
65	Recent results from deuterium experiments on the large helical device and their contribution to fusion reactor development. Nuclear Fusion, 2022, 62, 042019.	3.5	25
66	Recent Progress of MHD Study in High-Beta Plasmas of LHD. Fusion Science and Technology, 2006, 50, 177-185.	1.1	24
67	Effect of pressure-driven MHD instabilities on confinement in reactor-relevant high-beta helical plasmas. Physics of Plasmas, 2011, 18, .	1.9	24
68	Overview of the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 1165-1177.	2.1	23
69	Effect of Carbon Divertor Plates on Impurities, Zeff and Density Limit in Large Helical Device. Physica Scripta, 2001, T91, 48.	2.5	23
70	Study of MHD Stability in LHD. Fusion Science and Technology, 2010, 58, 176-185.	1.1	23
71	International Stellarator/Heliotron Database progress on high-beta confinement and operational boundaries. Nuclear Fusion, 2009, 49, 065016.	3.5	21
72	Response of MHD stability to resonant magnetic perturbation in the Large Helical Device. Nuclear Fusion, 2013, 53, 043010.	3.5	21

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73	Reconstruction of high temporal resolution Thomson scattering data during a modulated electron cyclotron resonance heating using conditional averaging. <i>Review of Scientific Instruments</i> , 2016, 87, 043505.	1.3	21
74	Suppression of Trapped Energetic Ions Driven Resistive Interchange Modes with Electron Cyclotron Heating in a Helical Plasma. <i>Physical Review Letters</i> , 2017, 118, 125001.	7.8	21
75	Server for experimental data from LHD. <i>Fusion Engineering and Design</i> , 2006, 81, 2019-2023.	1.9	20
76	Overview of long pulse operation in the Large Helical Device. <i>Nuclear Fusion</i> , 2000, 40, 1157-1166.	3.5	19
77	Comparison of electron internal transport barriers in the large helical device and JT-60U plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, A45-A50.	2.1	19
78	The first ICRF heating experiment in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, 265-274.	2.1	18
79	Resistive interchange mode destabilized by helically trapped energetic ions and its effects on energetic ions and bulk plasma in a helical plasma. <i>Nuclear Fusion</i> , 2016, 56, 016002.	3.5	18
80	Density fluctuations in JIPP T-IIU tokamak plasmas measured by a heavy ion beam probe. <i>Nuclear Fusion</i> , 1997, 37, 999-1014.	3.5	17
81	Global MHD modes excited by energetic ions in heliotron/torsatron plasmas. <i>Nuclear Fusion</i> , 1999, 39, 1929-1933.	3.5	17
82	Progress of High-Beta Experiments in Stellarator/Heliotron. <i>Fusion Science and Technology</i> , 2004, 46, 24-33.	1.1	17
83	Overview of Progress in LHD Experiments. <i>Fusion Science and Technology</i> , 2006, 50, 136-145.	1.1	17
84	Tangential SX Imaging for Visualization of Fluctuations in Toroidal Plasmas. <i>Plasma and Fusion Research</i> , 2007, 2, S1016-S1016.	0.7	17
85	Density Collapse Events Observed in the Large Helical Device. <i>Contributions To Plasma Physics</i> , 2010, 50, 552-557.	1.1	17
86	Hybridization between native white-spotted charr and nonnative brook trout in the upper Sorachi River, Hokkaido, Japan. <i>Ichthyological Research</i> , 2014, 61, 1-8.	0.8	17
87	Improvement of the density limit with an external helical field on JFT-2M tokamak. <i>Journal of Nuclear Materials</i> , 1995, 220-222, 365-369.	2.7	16
88	The effect of divertor tile material on radiation profiles in LHD. <i>Journal of Nuclear Materials</i> , 2001, 290-293, 930-934.	2.7	16
89	Role of core radiation during slow oscillations in LHD. <i>Nuclear Fusion</i> , 2001, 41, 519-525.	3.5	16
90	Experimental studies towards long pulse steady state operation in LHD. <i>Nuclear Fusion</i> , 2001, 41, 779-790.	3.5	16

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91	Improved plasma performance on Large Helical Device. <i>Physics of Plasmas</i> , 2001, 8, 2002-2008.	1.9	16
92	A study of high-energy ions produced by ICRF heating in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 103-119.	2.1	16
93	Sawtooth Oscillation in Current-Carrying Plasma in the Large Helical Device. <i>Physical Review Letters</i> , 2003, 90, 205001.	7.8	16
94	Compatibility between high energy particle confinement and magnetohydrodynamic stability in the inward-shifted plasmas of the Large Helical Device. <i>Physics of Plasmas</i> , 2002, 9, 2020-2026.	1.9	15
95	Characteristics of MHD instabilities limiting the beta value in LHD. <i>Nuclear Fusion</i> , 2015, 55, 083020.	3.5	15
96	Bifurcation physics of magnetic islands and stochasticity explored by heat pulse propagation studies in toroidal plasmas. <i>Nuclear Fusion</i> , 2016, 56, 092001.	3.5	15
97	Excitation of helically-trapped-energetic-ion driven resistive interchange modes with intense deuterium beam injection and enhanced effect on beam ions/bulk plasmas of LHD. <i>Nuclear Fusion</i> , 2018, 58, 082025.	3.5	15
98	Overview of Core Diagnostics for TEXTOR. <i>Fusion Science and Technology</i> , 2005, 47, 220-245.	1.1	14
99	Characteristics of confinement and stability in large helical device edge plasmas. <i>Physics of Plasmas</i> , 2005, 12, 056122.	1.9	14
100	2D electron temperature diagnostic using soft x-ray imaging technique. <i>Review of Scientific Instruments</i> , 2014, 85, 033502.	1.3	14
101	Local island divertor experiments on CHS. <i>Journal of Nuclear Materials</i> , 1997, 241-243, 967-971.	2.7	13
102	Behaviour of ion temperature in electron and ion heating regimes observed with ECH, NBI and ICRF discharges of LHD. <i>Nuclear Fusion</i> , 2002, 42, 1179-1183.	3.5	13
103	Confinement characteristics of high-energy ions produced by ICRF heating in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 1037-1050.	2.1	13
104	Soft X-Ray Diagnostics on LHD. <i>Fusion Science and Technology</i> , 2010, 58, 418-425.	1.1	13
105	Advanced Operational Regime with Internal Diffusion Barrier on LHD. <i>Fusion Science and Technology</i> , 2010, 58, 53-60.	1.1	13
106	Direct measurements of internal structures of born-locked modes and the key role in triggering tokamak disruptions. <i>Physics of Plasmas</i> , 2019, 26, 042505.	1.9	13
107	First Results of Boronization in REPUTE-1 RFP. <i>Journal of the Physical Society of Japan</i> , 1992, 61, 3030-3033.	1.6	12
108	Derivation of energy confinement time and ICRF absorption in LHD by power modulation. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 1191-1210.	2.1	12

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109	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). Physics of Plasmas, 2000, 7, 1802-1808.	1.9	11
110	The internal disruption as hard Magnetohydrodynamic limit of 1/2 sawtooth like activity in large helical device. Physics of Plasmas, 2012, 19, 082512.	1.9	11
111	Observation of the ballooning mode that limits the operation space of the high-density super-dense-core plasma in the LHD. Nuclear Fusion, 2017, 57, 066042.	3.5	11
112	Transport characteristics of deuterium and hydrogen plasmas with ion internal transport barrier in the Large Helical Device. Nuclear Fusion, 2019, 59, 106002.	3.5	11
113	Wall conditioning and its effect on RFP plasma performance in REPUTE-1. Plasma Physics and Controlled Fusion, 1992, 34, 627-633.	2.1	10
114	Magnetic and velocity fluctuation measurements in the REPUTE-1 reversed-field pinch plasma. Physics of Plasmas, 1994, 1, 1177-1185.	1.9	10
115	Divertor plasma modification by divertor biasing and edge ergodization in JFT-2M. Journal of Nuclear Materials, 1995, 220-222, 357-360.	2.7	10
116	Tangential soft x-ray camera for Large Helical Device. Review of Scientific Instruments, 2001, 72, 724-726.	1.3	10
117	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	1.1	10
118	Properties of the LHD plasmas with a large island "super dense core plasma and island healing. Plasma Physics and Controlled Fusion, 2006, 48, B383-B390.	2.1	10
119	Internal disruptions and sawtooth like activity in Large Helical Device. Physics of Plasmas, 2012, 19, 082501.	1.9	10
120	Analysis of the MHD stability and energetic particles effects on EIC events in LHD plasma using a Landau-closure model. Nuclear Fusion, 2019, 59, 046008.	3.5	10
121	Local island divertor for the new edge control scenario. Fusion Engineering and Design, 1998, 39-40, 241-246.	1.9	9
122	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, A425-A443.	2.1	9
123	Mitigation of large amplitude edge-localized modes by resonant magnetic perturbations on LHD. Nuclear Fusion, 2014, 54, 033001.	3.5	9
124	Development of a flexible visualization tool. Fusion Engineering and Design, 2002, 60, 367-371.	1.9	8
125	Effects of an externally produced static magnetic island on edge MHD modes in the Large Helical Device. Nuclear Fusion, 2008, 48, 024010.	3.5	8
126	MHD Modes Destabilized by Energetic Ions on LHD. Fusion Science and Technology, 2010, 58, 186-193.	1.1	8

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127	High speed vacuum ultraviolet telescope system for edge fluctuation measurement in the large helical device. Review of Scientific Instruments, 2012, 83, 10E513.	1.3	8
128	Effect of re-entering fast ions on NBI heating power in high-beta plasmas of the Large Helical Device. Nuclear Fusion, 2013, 53, 063016.	3.5	8
129	Hard magnetohydrodynamic limit in 1/3 sawtooth like activity in LHD. Physics of Plasmas, 2014, 21, 032501.	1.9	8
130	Impact of magnetic topology on radial electric field profile in the scrape-off layer of the Large Helical Device. Nuclear Fusion, 2016, 56, 092002.	3.5	8
131	Recent ECRH/ECCD experiments aiming for higher density and temperature operations in the LHD. EPJ Web of Conferences, 2019, 203, 02001.	0.3	8
132	Study of slowing down mechanism of locked-mode-like instability in helical plasmas. Nuclear Fusion, 2019, 59, 066036.	3.5	8
133	Theoretical analysis of energetic-ion-driven resistive interchange mode stabilization strategies using a Landau closure model. Nuclear Fusion, 2020, 60, 046013.	3.5	8
134	Langmuir probe array for edge plasma study on the compact helical system heliotron/torsatron. Review of Scientific Instruments, 1999, 70, 419-422.	1.3	7
135	Soft x-ray detector array system on the Large Helical Device. Review of Scientific Instruments, 2001, 72, 727-730.	1.3	7
136	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.	2.1	7
137	Abrupt Flushing of High-Density Core in Internal Diffusion Barrier Plasmas and its Suppression by Plasma Shape Control in LHD. Plasma and Fusion Research, 2008, 3, S1047-S1047.	0.7	7
138	Study of High- β Plasmas in a Helical System. Contributions To Plasma Physics, 2010, 50, 480-486.	1.1	7
139	Electron Bernstein wave heating by electron cyclotron wave injection from the high-field side in LHD. Nuclear Fusion, 2013, 53, 063004.	3.5	7
140	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.	2.1	7
141	Extension of high-beta plasma operation to low-collisionality regime. Nuclear Fusion, 2017, 57, 066007.	3.5	7
142	Onset of Resistive Interchange Mode in the Large Helical Device. Plasma and Fusion Research, 2006, 1, 049-049.	0.7	7
143	Study of toroidal current penetration during current ramp in JIPP T-IIU with fast response Zeeman polarimeter. Nuclear Fusion, 1998, 38, 59-73.	3.5	6
144	Magnetic turbulence and pressure gradient feedback effect of the 1/2 mode soft-hard magnetohydrodynamic limit in large helical device. Physics of Plasmas, 2014, 21, 092505.	1.9	6

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145	Experimental observation of response to resonant magnetic perturbation and its hysteresis in LHD. Nuclear Fusion, 2015, 55, 073004.	3.5	6
146	Soft and Ultra-Soft X-ray Detector Array Systems for Measurement of Edge MHD Modes in the Large Helical Device. Plasma and Fusion Research, 2007, 2, S1066-S1066.	0.7	6
147	Fluid velocity and electromagnetic forces measured by a rotating Langmuir probe in the scrape-off layer of JFT-2M. Nuclear Fusion, 1994, 34, 1453-1459.	3.5	5
148	Electric pulsation and profile quantization in CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1999, 41, A561-A568.	2.1	5
149	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
150	Local Transport Property of High-Beta Plasmas on LHD. Fusion Science and Technology, 2010, 58, 141-149.	1.1	5
151	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.	2.1	5
152	Three-dimensional MHD analysis of heliotron plasma with RMP. Nuclear Fusion, 2015, 55, 073023.	3.5	5
153	Experimental Study on Slowing-Down Mechanism of Locked-Mode-Like Instability in LHD. Plasma and Fusion Research, 2017, 12, 1402028-1402028.	0.7	5
154	Improved design for Heliotron J soft X-ray diagnostic for tomographic reconstruction studies. Review of Scientific Instruments, 2018, 89, 10G102.	1.3	5
155	Observation of Internal Structure of Edge MHD Modes in High Beta Plasmas on the Large Helical Device. Journal of Plasma and Fusion Research, 2005, 81, 967-968.	0.4	5
156	Tomographic Inversion Technique Using Orthogonal Basis Patterns<sup></sup>. Plasma and Fusion Research, 2019, 14, 3402087-3402087.	0.7	5
157	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
158	Characteristics of Edge MHD Modes and ELM Activity Observed in Large Helical Device Plasmas. Contributions To Plasma Physics, 2010, 50, 651-655.	1.1	4
159	Tangential Image of Helical SXR Emissivity Structure in Low-Aspect-Ratio RFP. IEEE Transactions on Plasma Science, 2011, 39, 2410-2411.	1.3	4
160	Numerical magnetohydrodynamic analysis of Large Helical Device plasmas with magnetic axis swing. Plasma Physics and Controlled Fusion, 2013, 55, 014009.	2.1	4
161	Pressure driven MHD instabilities in the intrinsic and externally enhanced magnetic stochastic region of LHD. Nuclear Fusion, 2015, 55, 093006.	3.5	4
162	Developments of scintillator-based soft x-ray diagnostic in LHD with CsI:TI and P47 scintillators. Review of Scientific Instruments, 2016, 87, 11E317.	1.3	4

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163	Features of the Electron-Temperature Distribution in a Low-Aspect-Ratio Reversed Field Pinch Plasmas. Journal of the Physical Society of Japan, 2017, 86, 063501.	1.6	4
164	Investigation of the Noise Effect on Tomographic Reconstructions for a Tangentially Viewing Vacuum Ultraviolet Imaging Diagnostic. Plasma and Fusion Research, 2011, 6, 2406120-2406120.	0.7	4
165	Measurement of magnetic field fluctuations within last closed flux surface with movable magnetic probe array in the JIPP T-IIU tokamak. Fusion Engineering and Design, 1997, 34-35, 733-736.	1.9	3
166	RF experiments in LHD. , 1999, , .		3
167	Magnetic Configuration Effects on Fast Ion Losses Induced by Fast Ion Driven Toroidal Alfvén Eigenmodes in the Large Helical Device. Plasma Science and Technology, 2012, 14, 269-272.	1.5	3
168	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.	0.3	3
169	Effects of Neutrons and γ -Rays on Scintillation Light in SX Diagnostics for LHD Deuterium Plasma Experiments. Plasma and Fusion Research, 2015, 10, 1402090-1402090.	0.7	3
170	2D turbulence structure observed by a fast framing camera system in linear magnetized device PANTA. Journal of Physics: Conference Series, 2017, 823, 012009.	0.4	3
171	First observation of plasma healing via helical equilibrium in tokamak disruptions. Nuclear Fusion, 2019, 59, 094002.	3.5	3
172	Fusion Research and International Collaboration in the Asian Region. Plasma and Fusion Research, 2018, 13, 3502046-3502046.	0.7	3
173	Ballooning Modes Instabilities in Outward LHD Configurations. Plasma and Fusion Research, 2011, 6, 1403013-1403013.	0.7	3
174	Measurement of magnetic field fluctuations near plasma edge with movable magnetic probe array in CHS heliotron/torsatron. Fusion Engineering and Design, 1997, 34-35, 737-740.	1.9	2
175	Overview of LHD diagnostics and data acquisition system. Fusion Engineering and Design, 2000, 48, 179-185.	1.9	2
176	Simulation Study of the MHD Stability Beta Limit in LHD by TASK3D. Contributions To Plasma Physics, 2010, 50, 665-668.	1.1	2
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