

# Satoru Sakakibara

## List of Publications by Year in descending order

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267  
papers

5,988  
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71102

41  
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118850

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267  
all docs

267  
docs citations

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times ranked

1577  
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	Nonlinear refraction in CS2. Applied Physics B: Lasers and Optics, 2004, 78, 433-438.	2.2	150
4	Achievement of high fusion triple product, steady-state sustainment and real-time NTM stabilization in high- $\beta$ ELMy H-mode discharges in JT-60U. Nuclear Fusion, 2003, 43, 1272-1278.	3.5	142
5	Goal and Achievements of Large Helical Device Project. Fusion Science and Technology, 2010, 58, 1-11.	1.1	127
6	Recent advances in the LHD experiment. Nuclear Fusion, 2003, 43, 1674-1683.	3.5	119
7	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116
8	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	2.1	106
9	Effects of global MHD instability on operational high beta-regime in LHD. Nuclear Fusion, 2005, 45, 1247-1254.	3.5	87
10	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
11	Experimental observations of enhanced radial transport of energetic particles with Alfvén eigenmode on the LHD. Nuclear Fusion, 2006, 46, S911-S917.	3.5	76
12	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
13	Observation of Long-Distance Radial Correlation in Toroidal Plasma Turbulence. Physical Review Letters, 2011, 107, 115001.	7.8	72
14	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
15	Observation of the "Self-Healing" of an Error Field Island in the Large Helical Device. Physical Review Letters, 2001, 87, 135002.	7.8	67
16	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	3.5	62
17	Progress summary of LHD engineering design and construction. Nuclear Fusion, 2000, 40, 599-609.	3.5	60
18	Edge Thermal Transport Barrier In LHD Discharges. Physical Review Letters, 2000, 84, 103-106.	7.8	60

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19	Two- and three-photon absorption in CS2. Optics Communications, 2004, 231, 431-436.	2.1	60
20	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
21	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
22	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	3.5	58
23	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
24	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	3.5	57
25	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
26	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
27	Overview of LHD experiments. Nuclear Fusion, 2001, 41, 1355-1367.	3.5	53
28	Magnetic Measurements in LHD. Fusion Science and Technology, 2010, 58, 471-481.	1.1	53
29	Transition of the radial electric field by electron cyclotron heating in the CHS heliotron/torsatron. Physical Review Letters, 1993, 71, 2220-2223.	7.8	52
30	Island Dynamics in the Large-Helical-Device Plasmas. Physical Review Letters, 2002, 88, 055005.	7.8	50
31	Measurement of anisotropic pressure using magnetic measurements in LHD. Nuclear Fusion, 2005, 45, L33-L36.	3.5	50
32	Local island divertor experiments on LHD. Journal of Nuclear Materials, 2005, 337-339, 154-160.	2.7	50
33	Anisotropic pressure bi-Maxwellian distribution function model for three-dimensional equilibria. Nuclear Fusion, 2006, 46, 683-698.	3.5	48
34	High beta discharges with neutral beam injection in CHS. Nuclear Fusion, 1995, 35, 283-296.	3.5	46
35	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
36	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

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37	MHD characteristics in the high beta regime of the Large Helical Device. Nuclear Fusion, 2001, 41, 1177-1183.	3.5	44
38	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. Nuclear Fusion, 2005, 45, 326-336.	3.5	44
39	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
40	Observation of Reversed-Shear Alfvén Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	7.8	44
41	Observation of energetic-ion losses induced by various MHD instabilities in the Large Helical Device (LHD). Nuclear Fusion, 2010, 50, 084005.	3.5	42
42	Ion and electron heating in ICRF heating experiments on LHD. Nuclear Fusion, 2001, 41, 1021-1035.	3.5	41
43	Plasma startup by neutral beam injection in the Large Helical Device. Nuclear Fusion, 1999, 39, 1087-1091.	3.5	40
44	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
45	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. Nuclear Fusion, 2003, 43, 749-755.	3.5	39
46	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38
47	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	1.9	38
48	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.	2.1	38
49	Ion cyclotron range of frequency heating experiments on the large helical device and high energy ion behavior. Physics of Plasmas, 2001, 8, 2139-2147.	1.9	37
50	Characteristics of MHD Equilibrium and Related Issues on LHD. Fusion Science and Technology, 2010, 58, 160-175.	1.1	37
51	Resistive Interchange Modes Destabilized by Helically Trapped Energetic Ions in a Helical Plasma. Physical Review Letters, 2015, 114, 155003.	7.8	37
52	Transition behaviour in the H-mode of the CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1996, 38, 1289-1293.	2.1	36
53	Observation of Helicity-Induced Alfvén Eigenmodes in Large-Helical-Device Plasmas Heated by Neutral-Beam Injection. Physical Review Letters, 2003, 91, 245001.	7.8	36
54	Density limit study focusing on the edge plasma parameters in LHD. Nuclear Fusion, 2008, 48, 015003.	3.5	36

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55	Current Status of Large Helical Device and Its Prospect for Deuterium Experiment. Fusion Science and Technology, 0, , 1-12.	1.1	36
56	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
57	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.	2.1	34
58	Plasma performance and impurity behaviour in long pulse discharges on LHD. Nuclear Fusion, 2003, 43, 219-227.	3.5	34
59	Energetic ion driven Alfvén eigenmodes in Large Helical Device plasmas with three-dimensional magnetic structure and their impact on energetic ion transport. Plasma Physics and Controlled Fusion, 2004, 46, S1-S13.	2.1	31
60	Effect of MHD activities on pressure profile in high- $\eta$ plasmas of LHD. Plasma Physics and Controlled Fusion, 2002, 44, A217-A223.	2.1	30
61	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	2.1	30
62	Experimental study of the poloidal flow effect on magnetic island dynamics in LHD and TJ-II. Nuclear Fusion, 2011, 51, 083030.	3.5	30
63	Mode locking phenomena observed near the stability boundary of the ideal interchange mode of LHD. Nuclear Fusion, 2012, 52, 102001.	3.5	30
64	Significance of MHD Effects in Stellarator Confinement. Fusion Science and Technology, 2006, 50, 158-170.	1.1	29
65	Superdense core mode in the Large Helical Device with an internal diffusion barrier. Physics of Plasmas, 2007, 14, 056113.	1.9	29
66	Strong electron heating in CHS ICRF heating experiments. Nuclear Fusion, 1997, 37, 53-68.	3.5	28
67	Plasma confinement studies in LHD. Nuclear Fusion, 1999, 39, 1659-1666.	3.5	28
68	Multifaceted asymmetric radiation from the edge-like asymmetric radiative collapse of density limited plasmas in the Large Helical Device. Physics of Plasmas, 2001, 8, 3861-3864.	1.9	28
69	Repetitive pellet fuelling for high-density/steady-state operation on LHD. Nuclear Fusion, 2006, 46, 884-889.	3.5	28
70	H-mode transition in the CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1994, 36, A117-A122.	2.1	27
71	Wall Conditioning at the Starting Phase of LHD.. Journal of Plasma and Fusion Research, 1999, 75, 263-267.	0.4	27
72	Bifurcation Phenomena of a Magnetic Island at a Rational Surface in a Magnetic-Shear Control Experiment. Physical Review Letters, 2008, 100, 045003.	7.8	27

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73	High-density plasma with internal diffusion barrier in the Large Helical Device. Nuclear Fusion, 2009, 49, 085002.	3.5	27
74	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	3.5	25
75	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
76	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
77	Edge plasma control by local island divertor in LHD. Nuclear Fusion, 2005, 45, 837-842.	3.5	25
78	Recent Progress of MHD Study in High-Beta Plasmas of LHD. Fusion Science and Technology, 2006, 50, 177-185.	1.1	24
79	Change of plasma boundaries due to beta in heliotron plasma with helical divertor configuration. Plasma Physics and Controlled Fusion, 2007, 49, 605-618.	2.1	24
80	Effect of pressure-driven MHD instabilities on confinement in reactor-relevant high-beta helical plasmas. Physics of Plasmas, 2011, 18, .	1.9	24
81	Overview of the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 1165-1177.	2.1	23
82	Effect of Carbon Divertor Plates on Impurities, Zeff and Density Limit in Large Helical Device. Physica Scripta, 2001, T91, 48.	2.5	23
83	Study of MHD Stability in LHD. Fusion Science and Technology, 2010, 58, 176-185.	1.1	23
84	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.	2.7	22
85	Magnetic probe construction using thick-film technology. Review of Scientific Instruments, 2001, 72, 3249-3259.	1.3	21
86	Measurement of Shafranov shift with soft x-ray CCD camera on large helical device. Plasma Physics and Controlled Fusion, 2002, 44, 1383-1392.	2.1	21
87	Properties of thermal decay and radiative collapse of NBI heated plasmas on LHD. Nuclear Fusion, 2002, 42, 601-613.	3.5	21
88	Achievement of One Hour Discharge with ECH on LHD. Journal of Physics: Conference Series, 2005, 25, 189-197.	0.4	21
89	International Stellarator/Heliotron Database progress on high-beta confinement and operational boundaries. Nuclear Fusion, 2009, 49, 065016.	3.5	21
90	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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91	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
92	Study of current decay time during disruption in JT-60U tokamak. <i>Nuclear Fusion</i> , 2010, 50, 025015.	3.5	20
93	Overview of long pulse operation in the Large Helical Device. <i>Nuclear Fusion</i> , 2000, 40, 1157-1166.	3.5	19
94	H-mode-like transition and ELM-like bursts in LHD with thick ergodic layer. <i>Nuclear Fusion</i> , 2007, 47, 1033-1044.	3.5	19
95	Progress in the Integrated Development of the Helical System. <i>Fusion Science and Technology</i> , 2010, 58, 12-28.	1.1	19
96	Topology bifurcation of a magnetic flux surface in magnetized plasmas. <i>New Journal of Physics</i> , 2013, 15, 013061.	2.9	19
97	Characteristics of Edge Magnetic Field Structure in LHD Heliotron. <i>Contributions To Plasma Physics</i> , 2000, 40, 266-270.	1.1	18
98	The first ICRF heating experiment in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, 265-274.	2.1	18
99	Experimental study on ion temperature behaviours in ECH, ICRF and NBI H <sub>2</sub> , He and Ne discharges of the Large Helical Device. <i>Nuclear Fusion</i> , 2003, 43, 899-909.	3.5	18
100	Optimization of incident wave polarization for ECRH in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 531-544.	2.1	18
101	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
102	Progress of High-Beta Experiments in Stellarator/Heliotron. <i>Fusion Science and Technology</i> , 2004, 46, 24-33.	1.1	17
103	Temperature dependence of the thermal diffusivity in high-collisionality regimes in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 801-813.	2.1	17
104	Overview of Progress in LHD Experiments. <i>Fusion Science and Technology</i> , 2006, 50, 136-145.	1.1	17
105	Flux Surface Mapping in LHD. <i>Fusion Science and Technology</i> , 2010, 58, 465-470.	1.1	17
106	Density Collapse Events Observed in the Large Helical Device. <i>Contributions To Plasma Physics</i> , 2010, 50, 552-557.	1.1	17
107	Formation of amorphous Al-transition metal (TM: Fe, Co, Ni) binary alloy films by RF-sputtering. <i>Journal of Non-Crystalline Solids</i> , 1985, 74, 271-284.	3.1	16
108	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

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109	Role of core radiation during slow oscillations in LHD. Nuclear Fusion, 2001, 41, 519-525.	3.5	16
110	Experimental studies towards long pulse steady state operation in LHD. Nuclear Fusion, 2001, 41, 779-790.	3.5	16
111	Improved plasma performance on Large Helical Device. Physics of Plasmas, 2001, 8, 2002-2008.	1.9	16
112	A study of high-energy ions produced by ICRF heating in LHD. Plasma Physics and Controlled Fusion, 2002, 44, 103-119.	2.1	16
113	Sawtooth Oscillation in Current-Carrying Plasma in the Large Helical Device. Physical Review Letters, 2003, 90, 205001.	7.8	16
114	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
115	Role of recycling flux in gas fuelling in the Large Helical Device. Nuclear Fusion, 2004, 44, 154-161.	3.5	16
116	Three-dimensional anisotropic pressure equilibria that model balanced tangential neutral beam injection effects. Plasma Physics and Controlled Fusion, 2005, 47, 561-567.	2.1	16
117	Self-sustained detachment in the Large Helical Device. Nuclear Fusion, 2006, 46, 532-540.	3.5	16
118	10 years of engineering and physics achievements by the Large Helical Device project. Fusion Engineering and Design, 2009, 84, 186-193.	1.9	16
119	L-H Transition and Edge Transport Barrier Formation on LHD. Fusion Science and Technology, 2010, 58, 61-69.	1.1	16
120	Experimental Observation of Magnetic Fluctuations in NBI Heated Plasmas in CHS. Journal of the Physical Society of Japan, 1994, 63, 4406-4421.	1.6	15
121	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.	1.3	15
122	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
123	Effects of Boronization in LHD. Journal of Plasma and Fusion Research, 2003, 79, 1216-1217.	0.4	15
124	Magnetic configuration dependence of the shafranov shift in the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, 789-797.	2.1	15
125	Radial structure of edge MHD modes in LHD plasmas with L-H transition. Plasma Physics and Controlled Fusion, 2006, 48, A201-A208.	2.1	15
126	3D plasma response to the magnetic field structure in the Large Helical Device. Nuclear Fusion, 2013, 53, 073045.	3.5	15

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127	Characteristics of MHD instabilities limiting the beta value in LHD. Nuclear Fusion, 2015, 55, 083020.	3.5	15
128	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
129	Recent results from the Large Helical Device. Plasma Physics and Controlled Fusion, 2003, 45, 671-686.	2.1	14
130	Characteristics of confinement and stability in large helical device edge plasmas. Physics of Plasmas, 2005, 12, 056122.	1.9	14
131	A magnetic diagnostic code for 3D fusion equilibria. Plasma Physics and Controlled Fusion, 2013, 55, 025014.	2.1	14
132	Local island divertor experiments on CHS. Journal of Nuclear Materials, 1997, 241-243, 967-971.	2.7	13
133	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.	3.5	13
134	Characterization of edge pressure in the Large Helical Device. Plasma Physics and Controlled Fusion, 2002, 44, A245-A251.	2.1	13
135	Confinement characteristics of high-energy ions produced by ICRF heating in the large helical device. Plasma Physics and Controlled Fusion, 2003, 45, 1037-1050.	2.1	13
136	Initial Results of Local Island Divertor Experiments in the Large Helical Device. Fusion Science and Technology, 2004, 46, 167-174.	1.1	13
137	Progress of plasma experiments and superconducting technology in LHD. Fusion Engineering and Design, 2006, 81, 2277-2286.	1.9	13
138	Observation of localized oscillations at $m/n=2/1$ rational surface during counter neutral beam injection in the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, L45-L55.	2.1	13
139	Response of bootstrap current and electron thermal conductivity to shaping in an ECRH plasma in the CHS heliotron/torsatron. Nuclear Fusion, 1994, 34, 641-647.	3.5	12
140	Electron cyclotron heating scenario and experimental results in LHD. Fusion Engineering and Design, 2001, 53, 329-336.	1.9	12
141	Derivation of energy confinement time and ICRF absorption in LHD by power modulation. Plasma Physics and Controlled Fusion, 2001, 43, 1191-1210.	2.1	12
142	Stability Properties of Anisotropic Pressure Stellarator Plasmas with Fluid and Noninteractive Energetic Particles. Fusion Science and Technology, 2006, 50, 245-257.	1.1	12
143	Progress Toward Steady-State Operation in LHD Using Electron Cyclotron Waves. Fusion Science and Technology, 2010, 58, 551-559.	1.1	12
144	Spontaneous Dynamics of Magnetic Islands Depending on Plasma Parameters in LHD. Fusion Science and Technology, 2010, 58, 194-199.	1.1	12

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145	Transport Study of LHD High-Beta Plasmas Based on Power Balance Analysis with TASK3D Code Module. Plasma and Fusion Research, 2011, 6, 2402081-2402081.	0.7	12
146	Rotation of Interchange Instability in the Large Helical Device. Plasma and Fusion Research, 2013, 8, 1402123-1402123.	0.7	12
147	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). Physics of Plasmas, 2000, 7, 1802-1808.	1.9	11
148	Overview of large helical device diagnostics (invited). Review of Scientific Instruments, 2001, 72, 483-491.	1.3	11
149	Effect of Neoclassical Transport Optimization on Electron Heat Transport in Low-Collisionality LHD Plasmas. Fusion Science and Technology, 2007, 51, 112-121.	1.1	11
150	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
151	Electron Pressure Profiles in High-Density Neutral Beam Heated Plasmas in the Large Helical Device. Journal of Plasma and Fusion Research, 2005, 81, 302-311.	0.4	11
152	Configuration Effects on Local Transport in High-Beta LHD Plasmas. Plasma and Fusion Research, 2008, 3, 022-022.	0.7	11
153	Behavior of Plasma Response Field in Detached Plasma. Plasma and Fusion Research, 2013, 8, 1402058-1402058.	0.7	11
154	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	1.1	10
155	Characteristics of H-mode-like discharges and ELM activities in the presence of $\hat{n}/2\hat{\epsilon} = 1$ surface at the ergodic layer in LHD. Plasma Physics and Controlled Fusion, 2006, 48, A269-A275.	2.1	10
156	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
157	Transport Analysis of High-Beta Plasmas on LHD. Fusion Science and Technology, 2007, 51, 129-137.	1.1	10
158	Influence of the resonant magnetic perturbations on transport in the Large Helical Device. Nuclear Fusion, 2013, 53, 113012.	3.5	10
159	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
160	Effects of Resonant Magnetic Fluctuations on Plasma Confinement in Current Carrying high- $\hat{I}^2$ Plasmas of LHD. Plasma and Fusion Research, 2006, 1, 003-003.	0.7	10
161	First Demonstration of Rotational Transform Control by Electron Cyclotron Current Drive in Large Helical Device. Plasma and Fusion Research, 2008, 3, S1077-S1077.	0.7	10
162	Effect of Plasma Current on Magnetohydrodynamic Modes in Neutral Beam Heated Plasmas in Compact Helical System. Japanese Journal of Applied Physics, 1995, 34, L252-L255.	1.5	9

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163	Local island divertor for the new edge control scenario. Fusion Engineering and Design, 1998, 39-40, 241-246.	1.9	9
164	Influence of the static magnetic island on the density profiles in LHD. Plasma Physics and Controlled Fusion, 2002, 44, A231-A235.	2.1	9
165	Fueling efficiency of gas puffing on large helical device. Journal of Nuclear Materials, 2003, 313-316, 534-538.	2.7	9
166	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, 1127-1142.	2.1	9
167	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, A425-A443.	2.1	9
168	Characteristics of the Global Energy Confinement and Central Pressure in LHD. Fusion Science and Technology, 2010, 58, 29-37.	1.1	9
169	Mitigation of large amplitude edge-localized modes by resonant magnetic perturbations on LHD. Nuclear Fusion, 2014, 54, 033001.	3.5	9
170	Magnetic Diagnostics of Magnetic Island in LHD. Plasma and Fusion Research, 2007, 2, S1094-S1094.	0.7	9
171	Long Range Temperature Fluctuation in LHD. Plasma and Fusion Research, 2011, 6, 1402017-1402017.	0.7	9
172	Increase of Central Ion Temperature after Carbon Pellet Injection in Ne-Seeded NBI Discharges of LHD. Journal of Plasma and Fusion Research, 2003, 79, 641-642.	0.4	8
173	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
174	MHD Modes Destabilized by Energetic Ions on LHD. Fusion Science and Technology, 2010, 58, 186-193.	1.1	8
175	Influence of $\hat{I}^2$ on the self-similarity properties of LHD edge fluctuations. Plasma Physics and Controlled Fusion, 2011, 53, 095010.	2.1	8
176	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
177	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
178	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
179	Study of slowing down mechanism of locked-mode-like instability in helical plasmas. Nuclear Fusion, 2019, 59, 066036.	3.5	8
180	Formation of amorphous Al <sub>i</sub> -Cr and Al <sub>i</sub> -Mn alloy films by rf sputtering. Journal of Non-Crystalline Solids, 1990, 124, 121-130.	3.1	7

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181	Results from the CHS device. Plasma Physics and Controlled Fusion, 1992, 34, 1909-1915.	2.1	7
182	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.	1.5	7
183	High $\hat{\nu}^2$ experiment and confinement regimes in a compact helical system. Fusion Engineering and Design, 1995, 26, 135-140.	1.9	7
184	Development of Integrated Simulation System for Helical Plasmas. Fusion Science and Technology, 2006, 50, 457-463.	1.1	7
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