

Satoru Sakakibara

List of Publications by Year in descending order

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267
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267
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1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear MHD analyses of locked-mode-like instabilities in LHD. Nuclear Fusion, 2021, 61, 046005.	3.5	2
2	Mode Structure of Locked-Mode-Like Instability in LHD and Its Effects on Confinement Degradation. Plasma and Fusion Research, 2021, 16, 1402091-1402091.	0.7	0
3	External RMP effect on locked-mode-like instability in helical plasmas. Nuclear Fusion, 2021, 61, 026011.	3.5	3
4	Non-resonant global mode in LHD partial collapse with net toroidal current. Nuclear Fusion, 2021, 61, 126056.	3.5	2
5	Theoretical studies of equilibrium beta limit in LHD plasmas. Physics of Plasmas, 2020, 27, .	1.9	7
6	Study of slowing down mechanism of locked-mode-like instability in helical plasmas. Nuclear Fusion, 2019, 59, 066036.	3.5	8
7	Dependence of the resonant magnetic perturbation penetration threshold on plasma parameters and ions in helical plasmas. Nuclear Fusion, 2019, 59, 086049.	3.5	2
8	Role of Helium-Hydrogen ratio on energetic interchange mode behaviour and its effect on ion temperature and micro-turbulence in LHD. Nuclear Fusion, 2018, 58, 046013.	3.5	4
9	Simultaneous excitation of the snake-like oscillations and the $m/n = 1/1$ resistive interchange modes around the $iota = 1$ rational surface just after hydrogen pellet injections in LHD plasmas. Physics of Plasmas, 2018, 25, 012507.	1.9	4
10	Integrated radiation monitoring and interlock system for the LHD deuterium experiments. Fusion Engineering and Design, 2018, 129, 259-262.	1.9	4
11	Third harmonic ICRF heating in LHD hydrogen experiments. Nuclear Fusion, 2018, 58, 126004.	3.5	1
12	Fusion Research and International Collaboration in the Asian Region. Plasma and Fusion Research, 2018, 13, 3502046-3502046.	0.7	3
13	Comparison of Rotation of Interchange Mode in Large Helical Device Plasmas with Various Ion Species. Plasma and Fusion Research, 2018, 13, 3402037-3402037.	0.7	0
14	Distorted magnetic island formation during slowing down to mode locking in helical plasmas. Nuclear Fusion, 2017, 57, 076003.	3.5	3
15	Suppression of Trapped Energetic Ions Driven Resistive Interchange Modes with Electron Cyclotron Heating in a Helical Plasma. Physical Review Letters, 2017, 118, 125001.	7.8	21
16	Extension of high-beta plasma operation to low-collisionality regime. Nuclear Fusion, 2017, 57, 066007.	3.5	7
17	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
18	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116

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19	Observations of sustained phase shifted magnetic islands from externally imposed $m/n=1/1$ RMP in LHD. Nuclear Fusion, 2017, 57, 076024.	3.5	5
20	Measurement of Poloidal Flow Profiles Using a Mach Probe Array in HYBTOK-II Tokamak with RMP Fields. Plasma and Fusion Research, 2017, 12, 1202027-1202027.	0.7	0
21	Experimental Study on Slowing-Down Mechanism of Locked-Mode-Like Instability in LHD. Plasma and Fusion Research, 2017, 12, 1402028-1402028.	0.7	5
22	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
23	Three-Dimensional Numerical Analysis of Shear Flow Effects on MHD Stability in LHD Plasmas. Plasma and Fusion Research, 2016, 11, 2403035-2403035.	0.7	2
24	Resistive interchange mode destabilized by helically trapped energetic ions and its effects on energetic ions and bulk plasma in a helical plasma. Nuclear Fusion, 2016, 56, 016002.	3.5	18
25	Experimental observation of response to resonant magnetic perturbation and its hysteresis in LHD. Nuclear Fusion, 2015, 55, 073004.	3.5	6
26	Three-Dimensional Numerical Analysis of Ion Diamagnetic Effects on Interchange Mode in Heliotron Plasmas. Plasma and Fusion Research, 2015, 10, 3403018-3403018.	0.7	2
27	Topology bifurcation of a magnetic flux surface in toroidal plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 014036.	2.1	6
28	Influence of external resonant magnetic perturbation field on edge plasma of small tokamak HYBTOK-II. Journal of Nuclear Materials, 2015, 463, 463-466.	2.7	0
29	Multi-scale MHD analysis of LHD plasma with background field changing. Nuclear Fusion, 2015, 55, 043019.	3.5	0
30	Pressure driven MHD instabilities in the intrinsic and externally enhanced magnetic stochastic region of LHD. Nuclear Fusion, 2015, 55, 093006.	3.5	4
31	Resistive Interchange Modes Destabilized by Helically Trapped Energetic Ions in a Helical Plasma. Physical Review Letters, 2015, 114, 155003.	7.8	37
32	Three-dimensional MHD analysis of heliotron plasma with RMP. Nuclear Fusion, 2015, 55, 073023.	3.5	5
33	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
34	Characteristics of MHD instabilities limiting the beta value in LHD. Nuclear Fusion, 2015, 55, 083020.	3.5	15
35	Mitigation of large amplitude edge-localized modes by resonant magnetic perturbations on LHD. Nuclear Fusion, 2014, 54, 033001.	3.5	9
36	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

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37	Influence of the resonant magnetic perturbations on transport in the Large Helical Device. Nuclear Fusion, 2013, 53, 113012.	3.5	10
38	3D plasma response to the magnetic field structure in the Large Helical Device. Nuclear Fusion, 2013, 53, 073045.	3.5	15
39	Topology bifurcation of a magnetic flux surface in magnetized plasmas. New Journal of Physics, 2013, 15, 013061.	2.9	19
40	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
41	A magnetic diagnostic code for 3D fusion equilibria. Plasma Physics and Controlled Fusion, 2013, 55, 025014.	2.1	14
42	Response of MHD stability to resonant magnetic perturbation in the Large Helical Device. Nuclear Fusion, 2013, 53, 043010.	3.5	21
43	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
44	Numerical magnetohydrodynamic analysis of Large Helical Device plasmas with magnetic axis swing. Plasma Physics and Controlled Fusion, 2013, 55, 014009.	2.1	4
45	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
46	Development of Transport Model in Reactor Plasmas based on LHD Experiment Scaling. Plasma and Fusion Research, 2013, 8, 2403089-2403089.	0.7	0
47	Behavior of Plasma Response Field in Detached Plasma. Plasma and Fusion Research, 2013, 8, 1402058-1402058.	0.7	11
48	Rotation of Interchange Instability in the Large Helical Device. Plasma and Fusion Research, 2013, 8, 1402123-1402123.	0.7	12
49	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
50	Mode locking phenomena observed near the stability boundary of the ideal interchange mode of LHD. Nuclear Fusion, 2012, 52, 102001.	3.5	30
51	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
52	Identification of MHD Mode Structure using ECE and SX Measurements. Plasma and Fusion Research, 2012, 7, 2402056-2402056.	0.7	0
53	Activity of national institute for Fusion Science toward realization of helical fusion reactor. , 2011, , .		0
54	Recent Fusion Research in the National Institute for Fusion Science. Plasma and Fusion Research, 2011, 6, 2102149-2102149.	0.7	1

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55	Observation of Long-Distance Radial Correlation in Toroidal Plasma Turbulence. Physical Review Letters, 2011, 107, 115001.	7.8	72
56	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
57	Experimental study of the poloidal flow effect on magnetic island dynamics in LHD and TJ-II. Nuclear Fusion, 2011, 51, 083030.	3.5	30
58	Effect of pressure-driven MHD instabilities on confinement in reactor-relevant high-beta helical plasmas. Physics of Plasmas, 2011, 18, .	1.9	24
59	Long Range Temperature Fluctuation in LHD. Plasma and Fusion Research, 2011, 6, 1402017-1402017.	0.7	9
60	Dependence of EC-Driven Current on the EC-Wave Beam Direction in LHD. Plasma and Fusion Research, 2011, 6, 2402073-2402073.	0.7	2
61	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
62	Study of Magnetic Island Using a 3D MHD Equilibrium Calculation Code. Plasma and Fusion Research, 2011, 6, 2402134-2402134.	0.7	0
63	Flux Surface Mapping in LHD. Fusion Science and Technology, 2010, 58, 465-470.	1.1	17
64	L-H Transition and Edge Transport Barrier Formation on LHD. Fusion Science and Technology, 2010, 58, 61-69.	1.1	16
65	MHD Modes Destabilized by Energetic Ions on LHD. Fusion Science and Technology, 2010, 58, 186-193.	1.1	8
66	Progress in the Integrated Development of the Helical System. Fusion Science and Technology, 2010, 58, 12-28.	1.1	19
67	Study of MHD Stability in LHD. Fusion Science and Technology, 2010, 58, 176-185.	1.1	23
68	Progress Toward Steady-State Operation in LHD Using Electron Cyclotron Waves. Fusion Science and Technology, 2010, 58, 551-559.	1.1	12
69	Local Transport Property of High-Beta Plasmas on LHD. Fusion Science and Technology, 2010, 58, 141-149.	1.1	5
70	Spontaneous Dynamics of Magnetic Islands Depending on Plasma Parameters in LHD. Fusion Science and Technology, 2010, 58, 194-199.	1.1	12
71	Magnetic Measurements in LHD. Fusion Science and Technology, 2010, 58, 471-481.	1.1	53
72	Characteristics of the Global Energy Confinement and Central Pressure in LHD. Fusion Science and Technology, 2010, 58, 29-37.	1.1	9

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73	Overview of LHD Plasma Diagnostics. Fusion Science and Technology, 2010, 58, 331-344.	1.1	1
74	Characteristics of MHD Equilibrium and Related Issues on LHD. Fusion Science and Technology, 2010, 58, 160-175.	1.1	37
75	Goal and Achievements of Large Helical Device Project. Fusion Science and Technology, 2010, 58, 1-11.	1.1	127
76	Study of High- β Plasmas in a Helical System. Contributions To Plasma Physics, 2010, 50, 480-486.	1.1	7
77	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
78	Experimental Study of the Effect of Poloidal Flow on Stability of Magnetic Islands in LHD and TJ-92. Contributions To Plasma Physics, 2010, 50, 529-533.	1.1	1
79	Density Collapse Events Observed in the Large Helical Device. Contributions To Plasma Physics, 2010, 50, 552-557.	1.1	17
80	Simulation Study of the MHD Stability Beta Limit in LHD by TASK3D. Contributions To Plasma Physics, 2010, 50, 665-668.	1.1	2
81	Study of current decay time during disruption in JT-60U tokamak. Nuclear Fusion, 2010, 50, 025015.	3.5	20
82	Observation of energetic-ion losses induced by various MHD instabilities in the Large Helical Device (LHD). Nuclear Fusion, 2010, 50, 084005.	3.5	42
83	Observation of Reversed-Shear Alfvén Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	7.8	44
84	Physics of Heliotron J Confinement. Plasma and Fusion Research, 2010, 5, S2003-S2003.	0.7	4
85	International Stellarator/Heliotron Database progress on high-beta confinement and operational boundaries. Nuclear Fusion, 2009, 49, 065016.	3.5	21
86	High-density plasma with internal diffusion barrier in the Large Helical Device. Nuclear Fusion, 2009, 49, 085002.	3.5	27
87	10 years of engineering and physics achievements by the Large Helical Device project. Fusion Engineering and Design, 2009, 84, 186-193.	1.9	16
88	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
89	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
90	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

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91	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
92	Density limit study focusing on the edge plasma parameters in LHD. Nuclear Fusion, 2008, 48, 015003.	3.5	36
93	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
94	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
95	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
96	Configuration Effects on Local Transport in High-Beta LHD Plasmas. Plasma and Fusion Research, 2008, 3, 022-022.	0.7	11
97	Effect of Ellipticity on Thermal Transport in ECH Plasmas in LHD. Plasma and Fusion Research, 2008, 3, S1032-S1032.	0.7	3
98	Effect of Toroidal Current on Rotational Transform Profile by MHD Activity Measurement in Heliotron J. Plasma and Fusion Research, 2008, 3, S1067-S1067.	0.7	6
99	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
100	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
101	H-mode-like transition and ELM-like bursts in LHD with thick ergodic layer. Nuclear Fusion, 2007, 47, 1033-1044.	3.5	19
102	Superdense core mode in the Large Helical Device with an internal diffusion barrier. Physics of Plasmas, 2007, 14, 056113.	1.9	29
103	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
104	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
105	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
106	Transport Analysis of High-Beta Plasmas on LHD. Fusion Science and Technology, 2007, 51, 129-137.	1.1	10
107	Edge Transport Control with the Local Island Divertor and Recent Progress in LHD. Fusion Science and Technology, 2007, 52, 566-573.	1.1	3
108	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

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109	Magnetic Diagnostics of Magnetic Island in LHD. Plasma and Fusion Research, 2007, 2, S1094-S1094.	0.7	9
110	New Calibration Method of Magnetic Measurements Based on the MHD Equilibrium with the Ergodic Region. Plasma and Fusion Research, 2006, 1, 011-011.	0.7	3
111	Stability Properties of Anisotropic Pressure Stellarator Plasmas with Fluid and Noninteractive Energetic Particles. Fusion Science and Technology, 2006, 50, 245-257.	1.1	12
112	Overview of Progress in LHD Experiments. Fusion Science and Technology, 2006, 50, 136-145.	1.1	17
113	Development of Integrated Simulation System for Helical Plasmas. Fusion Science and Technology, 2006, 50, 457-463.	1.1	7
114	Significance of MHD Effects in Stellarator Confinement. Fusion Science and Technology, 2006, 50, 158-170.	1.1	29
115	Recent Progress of MHD Study in High-Beta Plasmas of LHD. Fusion Science and Technology, 2006, 50, 177-185.	1.1	24
116	The effect of net toroidal current on the measurement of diamagnetic beta value in heliotron plasma. Plasma Physics and Controlled Fusion, 2006, 48, L73-L85.	2.1	7
117	A new method for measuring plasma energy using superconducting helical coils. Fusion Engineering and Design, 2006, 81, 2827-2830.	1.9	0
118	Progress of plasma experiments and superconducting technology in LHD. Fusion Engineering and Design, 2006, 81, 2277-2286.	1.9	13
119	Repetitive pellet fuelling for high-density/steady-state operation on LHD. Nuclear Fusion, 2006, 46, 884-889.	3.5	28
120	Magnetic configuration dependence of the shafranov shift in the Large Helical Device. Plasma Physics and Controlled Fusion, 2006, 48, 789-797.	2.1	15
121	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
122	Self-sustained detachment in the Large Helical Device. Nuclear Fusion, 2006, 46, 532-540.	3.5	16
123	Radial structure of edge MHD modes in LHD plasmas with $\hat{n}/2\hat{\epsilon} = 1$ transition. Plasma Physics and Controlled Fusion, 2006, 48, A201-A208.	2.1	15
124	Experimental observations of enhanced radial transport of energetic particles with Alfvén eigenmode on the LHD. Nuclear Fusion, 2006, 46, S911-S917.	3.5	76
125	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
126	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

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127	Anisotropic pressure bi-Maxwellian distribution function model for three-dimensional equilibria. Nuclear Fusion, 2006, 46, 683-698.	3.5	48
128	Formation of Edge Transport Barriers by L-H Transition and Large Reversed Plasma Current on LHD. Plasma Science and Technology, 2006, 8, 5-9.	1.5	6
129	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
130	Review of Divertor Studies in LHD. Plasma Science and Technology, 2006, 8, 14-18.	1.5	3
131	DC Power System for Superconducting Coils of Fusion Plasma Test Facility LHD. IEEJ Transactions on Industry Applications, 2006, 126, 459-467.	0.2	5
132	Effects of Resonant Magnetic Fluctuations on Plasma Confinement in Current Carrying high- β^2 Plasmas of LHD. Plasma and Fusion Research, 2006, 1, 003-003.	0.7	10
133	Observation of Minor Collapse of Current-Carrying Plasma in LHD. Plasma and Fusion Research, 2006, 1, 004-004.	0.7	4
134	Onset of Resistive Interchange Mode in the Large Helical Device. Plasma and Fusion Research, 2006, 1, 049-049.	0.7	7
135	Measurement of anisotropic pressure using magnetic measurements in LHD. Nuclear Fusion, 2005, 45, L33-L36.	3.5	50
136	Achievement of One Hour Discharge with ECH on LHD. Journal of Physics: Conference Series, 2005, 25, 189-197.	0.4	21
137	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
138	Local island divertor experiments on LHD. Journal of Nuclear Materials, 2005, 337-339, 154-160.	2.7	50
139	Temperature dependence of the thermal diffusivity in high-collisionality regimes in the large helical device. Plasma Physics and Controlled Fusion, 2005, 47, 801-813.	2.1	17
140	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
141	Effects of global MHD instability on operational high beta-regime in LHD. Nuclear Fusion, 2005, 45, 1247-1254.	3.5	87
142	Optimization of incident wave polarization for ECRH in LHD. Plasma Physics and Controlled Fusion, 2005, 47, 531-544.	2.1	18
143	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38
144	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. Nuclear Fusion, 2005, 45, 326-336.	3.5	44

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145	Edge plasma control by local island divertor in LHD. Nuclear Fusion, 2005, 45, 837-842.	3.5	25
146	Characteristics of confinement and stability in large helical device edge plasmas. Physics of Plasmas, 2005, 12, 056122.	1.9	14
147	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	1.9	38
148	Recent Results in Large Helical Device. , 2005, , .		0
149	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	2.1	30
150	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
151	Sustained Detachment with the Self-Regulated Plasma Edge beneath the Last Closed Flux Surface in LHD. Journal of Plasma and Fusion Research, 2005, 81, 331-332.	0.4	6
152	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
153	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	1.1	10
154	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	3.5	58
155	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
156	Current Control System of the Power Supplies for LHD Superconducting Coils. IEEE Transactions on Applied Superconductivity, 2004, 14, 1431-1434.	1.7	5
157	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
158	MHD Instabilities and Their Effects on Plasma Confinement in Large Helical Device Plasmas with Intense Neutral Beam Injection. Plasma Science and Technology, 2004, 6, 2269-2274.	1.5	0
159	Nonlinear refraction in CS2. Applied Physics B: Lasers and Optics, 2004, 78, 433-438.	2.2	150
160	Two- and three-photon absorption in CS2. Optics Communications, 2004, 231, 431-436.	2.1	60
161	LHD Diagnostics Toward Steady-State Operation. IEEE Transactions on Plasma Science, 2004, 32, 167-176.	1.3	1
162	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	3.5	57

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163	Initial Results of Local Island Divertor Experiments in the Large Helical Device. Fusion Science and Technology, 2004, 46, 167-174.	1.1	13
164	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
165	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
166	Role of recycling flux in gas fuelling in the Large Helical Device. Nuclear Fusion, 2004, 44, 154-161.	3.5	16
167	Difference in Electron Transport between Co- and Counter-NBI-Heated Plasmas in the Inward-Shifted Configurations on LHD. Fusion Science and Technology, 2004, 46, 262-270.	1.1	3
168	Progress of High-Beta Experiments in Stellarator/Heliotron. Fusion Science and Technology, 2004, 46, 24-33.	1.1	17
169	Observation of Electron Temperature Profiles with Bulged Regions around the $I_{OTA} = 1$ Magnetic Surface of the Large Helical Device. Journal of Plasma and Fusion Research, 2004, 80, 277-278.	0.4	2
170	H-Mode-Like Discharge under the Presence of 1/1 Rational Surface at Ergodic Layer in LHD. Journal of Plasma and Fusion Research, 2004, 80, 279-280.	0.4	2
171	Recent Progress in Magnetic Measurement. Journal of Plasma and Fusion Research, 2004, 80, 364-371.	0.4	0
172	Confinement and gas fueling in LHD limiter discharges. Journal of Nuclear Materials, 2003, 313-316, 952-955.	2.7	5
173	Edge plasma control with a local island divertor. Journal of Nuclear Materials, 2003, 313-316, 1267-1271.	2.7	0
174	Impurity radiation during "breathing"-like oscillations in LHD discharges using a wall limiter. Journal of Nuclear Materials, 2003, 313-316, 1178-1182.	2.7	3
175	Fueling efficiency of gas puffing on large helical device. Journal of Nuclear Materials, 2003, 313-316, 534-538.	2.7	9
176	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
177	Sawtooth Oscillation in Current-Carrying Plasma in the Large Helical Device. Physical Review Letters, 2003, 90, 205001.	7.8	16
178	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
179	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
180	Recent advances in the LHD experiment. Nuclear Fusion, 2003, 43, 1674-1683.	3.5	119

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181	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
182	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
183	Recent results from the Large Helical Device. Plasma Physics and Controlled Fusion, 2003, 45, 671-686.	2.1	14
184	Recent diagnostic developments on LHD. Plasma Physics and Controlled Fusion, 2003, 45, 1127-1142.	2.1	9
185	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
186	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. Nuclear Fusion, 2003, 43, 749-755.	3.5	39
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