

Satoshi Odachi

List of Publications by Year in descending order

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201
times ranked

1259
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Theoretical analysis of energetic-ion-driven resistive interchange mode stabilization strategies using a Landau closure model. Nuclear Fusion, 2020, 60, 046013.	3.5	8
3	New tomographic reconstruction technique based on Laplacian eigenfunction. Plasma Science and Technology, 2020, 22, 102002.	1.5	1
4	Recent ECRH/ECCD experiments aiming for higher density and temperature operations in the LHD. EPJ Web of Conferences, 2019, 203, 02001.	0.3	8
5	First observation of plasma healing via helical equilibrium in tokamak disruptions. Nuclear Fusion, 2019, 59, 094002.	3.5	3
6	Study of slowing down mechanism of locked-mode-like instability in helical plasmas. Nuclear Fusion, 2019, 59, 066036.	3.5	8
7	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
8	Dependence of the resonant magnetic perturbation penetration threshold on plasma parameters and ions in helical plasmas. Nuclear Fusion, 2019, 59, 086049.	3.5	2
9	Soft x-ray tomographic reconstruction of Heliotron J plasma for the study of magnetohydrodynamic equilibrium and stability. Plasma Science and Technology, 2019, 21, 065102.	1.5	2
10	Direct measurements of internal structures of born-locked modes and the key role in triggering tokamak disruptions. Physics of Plasmas, 2019, 26, 042505.	1.9	13
11	Experimental examination of a method to estimate temporal effect by neutrons and $\hat{\nu}^3$ -rays on scintillation light in scintillator-based soft x-ray diagnostic of experimental advanced superconducting tokamak and large helical device. Review of Scientific Instruments, 2019, 90, 013507.	1.3	0
12	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
13	Tomographic Inversion Technique Using Orthogonal Basis Patterns³. Plasma and Fusion Research, 2019, 14, 3402087-3402087.	0.7	5
14	Capability Studies of the Heliotron J Soft X-Ray Tomographic Diagnostic. Plasma and Fusion Research, 2019, 14, 3402056-3402056.	0.7	2
15	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
16	Improved design for Heliotron J soft X-ray diagnostic for tomographic reconstruction studies. Review of Scientific Instruments, 2018, 89, 10G102.	1.3	5
17	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. Nuclear Fusion, 2018, 58, 082025.	3.5	15
18	Fusion Research and International Collaboration in the Asian Region. Plasma and Fusion Research, 2018, 13, 3502046-3502046.	0.7	3

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19	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
20	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
21	Extension of high-beta plasma operation to low-collisionality regime. Nuclear Fusion, 2017, 57, 066007.	3.5	7
22	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
23	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116
24	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
25	Experimental Study on Slowing-Down Mechanism of Locked-Mode-Like Instability in LHD. Plasma and Fusion Research, 2017, 12, 1402028-1402028.	0.7	5
26	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
27	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
28	Magnetohydrodynamic stability at the edge region in H-mode plasmas with long edge-localized-mode-free phases in the large helical device. Plasma Physics and Controlled Fusion, 2016, 58, 094002.	2.1	1
29	Reconstruction of high temporal resolution Thomson scattering data during a modulated electron cyclotron resonance heating using conditional averaging. Review of Scientific Instruments, 2016, 87, 043505.	1.3	21
30	New type of wavelet-based spectral analysis by which modes with different toroidal mode number are separated. Review of Scientific Instruments, 2016, 87, 11D411.	1.3	0
31	Developments of scintillator-based soft x-ray diagnostic in LHD with CsI:Tl and P47 scintillators. Review of Scientific Instruments, 2016, 87, 11E317.	1.3	4
32	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
33	Bifurcation physics of magnetic islands and stochasticity explored by heat pulse propagation studies in toroidal plasmas. Nuclear Fusion, 2016, 56, 092001.	3.5	15
34	Upgrade of the tangentially viewing vacuum ultraviolet (VUV) telescope system for 2D fluctuation measurement in the large helical device. Review of Scientific Instruments, 2016, 87, 11E307.	1.3	2
35	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
36	Self-regulated oscillation of transport and topology of magnetic islands in toroidal plasmas. Scientific Reports, 2015, 5, 16165.	3.3	27

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37	Experimental observation of response to resonant magnetic perturbation and its hysteresis in LHD. Nuclear Fusion, 2015, 55, 073004.	3.5	6
38	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
39	Multi-scale MHD analysis of LHD plasma with background field changing. Nuclear Fusion, 2015, 55, 043019.	3.5	0
40	Pressure driven MHD instabilities in the intrinsic and externally enhanced magnetic stochastic region of LHD. Nuclear Fusion, 2015, 55, 093006.	3.5	4
41	Resistive Interchange Modes Destabilized by Helically Trapped Energetic Ions in a Helical Plasma. Physical Review Letters, 2015, 114, 155003.	7.8	37
42	Three-dimensional MHD analysis of heliotron plasma with RMP. Nuclear Fusion, 2015, 55, 073023.	3.5	5
43	Characteristics of MHD instabilities limiting the beta value in LHD. Nuclear Fusion, 2015, 55, 083020.	3.5	15
44	Hard magnetohydrodynamic limit in 1/3 sawtooth like activity in LHD. Physics of Plasmas, 2014, 21, 032501.	1.9	8
45	2D electron temperature diagnostic using soft x-ray imaging technique. Review of Scientific Instruments, 2014, 85, 033502.	1.3	14
46	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
47	Investigation of the long-lived saturated internal mode and its control on the HL-2A tokamak. Nuclear Fusion, 2014, 54, 013010.	3.5	31
48	Mitigation of large amplitude edge-localized modes by resonant magnetic perturbations on LHD. Nuclear Fusion, 2014, 54, 033001.	3.5	9
49	Hybridization between native white-spotted charr and nonnative brook trout in the upper Sorachi River, Hokkaido, Japan. Ichthyological Research, 2014, 61, 1-8.	0.8	17
50	Spatial Mode Structure of Magnetohydrodynamic Instabilities Observed by a Tangentially Viewing Soft X-Ray Camera in LHD. IEEE Transactions on Plasma Science, 2014, 42, 2732-2733.	1.3	1
51	Electron Bernstein wave heating by electron cyclotron wave injection from the high-field side in LHD. Nuclear Fusion, 2013, 53, 063004.	3.5	7
52	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
53	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
54	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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55	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
56	Initial experiments towards edge plasma control with a closed helical divertor in LHD. Nuclear Fusion, 2013, 53, 063014.	3.5	31
57	Numerical magnetohydrodynamic analysis of Large Helical Device plasmas with magnetic axis swing. Plasma Physics and Controlled Fusion, 2013, 55, 014009.	2.1	4
58	Estimate of the Deposition Profile of Carbon Pellets Using a High-Speed VUV Imaging System in the LHD. Plasma Science and Technology, 2013, 15, 1178-1183.	1.5	2
59	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
60	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
61	Internal disruptions and sawtooth like activity in Large Helical Device. Physics of Plasmas, 2012, 19, 082501.	1.9	10
62	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
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	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
65	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
66	Tangential Image of Helical SXR Emissivity Structure in Low-Aspect-Ratio RFP. IEEE Transactions on Plasma Science, 2011, 39, 2410-2411.	1.3	4
67	Experimental study of the poloidal flow effect on magnetic island dynamics in LHD and TJ-II. Nuclear Fusion, 2011, 51, 083030.	3.5	30
68	Effect of pressure-driven MHD instabilities on confinement in reactor-relevant high-beta helical plasmas. Physics of Plasmas, 2011, 18, .	1.9	24
69	Ballooning Modes Instabilities in Outward LHD Configurations. Plasma and Fusion Research, 2011, 6, 1403013-1403013.	0.7	3
70	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
71	MHD Modes Destabilized by Energetic Ions on LHD. Fusion Science and Technology, 2010, 58, 186-193.	1.1	8
72	Study of MHD Stability in LHD. Fusion Science and Technology, 2010, 58, 176-185.	1.1	23

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73	Local Transport Property of High-Beta Plasmas on LHD. Fusion Science and Technology, 2010, 58, 141-149.	1.1	5
74	Soft X-Ray Diagnostics on LHD. Fusion Science and Technology, 2010, 58, 418-425.	1.1	13
75	Overview of LHD Plasma Diagnostics. Fusion Science and Technology, 2010, 58, 331-344.	1.1	1
76	Advanced Operational Regime with Internal Diffusion Barrier on LHD. Fusion Science and Technology, 2010, 58, 53-60.	1.1	13
77	Study of High- β Plasmas in a Helical System. Contributions To Plasma Physics, 2010, 50, 480-486.	1.1	7
78	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
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	Observation of energetic-ion losses induced by various MHD instabilities in the Large Helical Device (LHD). Nuclear Fusion, 2010, 50, 084005.	3.5	42
82	Electron Bernstein wave Emission diagnostics using phased-array antenna system in QUEST. , 2010, , .		0
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	International Stellarator/Heliotron Database progress on high-beta confinement and operational boundaries. Nuclear Fusion, 2009, 49, 065016.	3.5	21
85	High-density plasma with internal diffusion barrier in the Large Helical Device. Nuclear Fusion, 2009, 49, 085002.	3.5	27
86	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
87	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
88	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
89	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
90	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

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91	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
92	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
93	Tangential SX Imaging for Visualization of Fluctuations in Toroidal Plasmas. Plasma and Fusion Research, 2007, 2, S1016-S1016.	0.7	17
94	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
95	Overview of Progress in LHD Experiments. Fusion Science and Technology, 2006, 50, 136-145.	1.1	17
96	Significance of MHD Effects in Stellarator Confinement. Fusion Science and Technology, 2006, 50, 158-170.	1.1	29
97	Recent Progress of MHD Study in High-Beta Plasmas of LHD. Fusion Science and Technology, 2006, 50, 177-185.	1.1	24
98	Server for experimental data from LHD. Fusion Engineering and Design, 2006, 81, 2019-2023.	1.9	20
99	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
100	Properties of the LHD plasmas with a large islandâ€™super dense core plasma and island healing. Plasma Physics and Controlled Fusion, 2006, 48, B383-B390.	2.1	10
101	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
102	Onset of Resistive Interchange Mode in the Large Helical Device. Plasma and Fusion Research, 2006, 1, 049-049.	0.7	7
103	Overview of Core Diagnostics for TEXTOR. Fusion Science and Technology, 2005, 47, 220-245.	1.1	14
104	Effects of global MHD instability on operational high beta-regime in LHD. Nuclear Fusion, 2005, 45, 1247-1254.	3.5	87
105	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38
106	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. Nuclear Fusion, 2005, 45, 326-336.	3.5	44
107	Characteristics of confinement and stability in large helical device edge plasmas. Physics of Plasmas, 2005, 12, 056122.	1.9	14
108	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	1.9	38

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109	Recent Results in Large Helical Device. , 2005, , .		0
110	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	2.1	30
111	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
112	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	1.1	10
113	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	3.5	58
114	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
115	Formation conditions for electron internal transport barriers in JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A35-A43.	2.1	25
116	Comparison of electron internal transport barriers in the large helical device and JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A45-A50.	2.1	19
117	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
118	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
119	LHD Diagnostics Toward Steady-State Operation. IEEE Transactions on Plasma Science, 2004, 32, 167-176.	1.3	1
120	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	3.5	57
121	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
122	Progress of High-Beta Experiments in Stellarator/Heliotron. Fusion Science and Technology, 2004, 46, 24-33.	1.1	17
123	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
124	Sawtooth Oscillation in Current-Carrying Plasma in the Large Helical Device. Physical Review Letters, 2003, 90, 205001.	7.8	16
125	High-speed tangentially viewing soft x-ray camera to study magnetohydrodynamic fluctuations in toroidally confined plasmas (invited). Review of Scientific Instruments, 2003, 74, 2136-2143.	1.3	34
126	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

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127	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
128	Recent advances in the LHD experiment. <i>Nuclear Fusion</i> , 2003, 43, 1674-1683.	3.5	119
129	Ion cyclotron range of frequencies heating and high-energy particle production in the Large Helical Device. <i>Nuclear Fusion</i> , 2003, 43, 738-743.	3.5	25
130	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
131	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
132	Recent diagnostic developments on LHD. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, A425-A443.	2.1	9
133	Plasma performance and impurity behaviour in long pulse discharges on LHD. <i>Nuclear Fusion</i> , 2003, 43, 219-227.	3.5	34
134	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
135	Island Dynamics in the Large-Helical-Device Plasmas. <i>Physical Review Letters</i> , 2002, 88, 055005.	7.8	50
136	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
137	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
138	Optimization of ICRF heating in terms of confining magnetic field parameters in the LHD*. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 1543-1556.	2.1	1
139	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. <i>Journal of Plasma and Fusion Research</i> , 2002, 78, 99-100.	0.4	25
140	Development of a flexible visualization tool. <i>Fusion Engineering and Design</i> , 2002, 60, 367-371.	1.9	8
141	Recent Results from the Large Helical Device. <i>Fusion Science and Technology</i> , 2001, 39, 322-328.	0.6	1
142	Effect of Carbon Divertor Plates on Impurities, Zeff and Density Limit in Large Helical Device. <i>Physica Scripta</i> , 2001, T91, 48.	2.5	23
143	Soft x-ray detector array system on the Large Helical Device. <i>Review of Scientific Instruments</i> , 2001, 72, 727-730.	1.3	7
144	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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145	Tangential soft x-ray camera for Large Helical Device. Review of Scientific Instruments, 2001, 72, 724-726.	1.3	10
146	Role of core radiation during slow oscillations in LHD. Nuclear Fusion, 2001, 41, 519-525.	3.5	16
147	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
148	MHD characteristics in the high beta regime of the Large Helical Device. Nuclear Fusion, 2001, 41, 1177-1183.	3.5	44
149	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	3.5	25
150	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	3.5	62
151	Experimental studies towards long pulse steady state operation in LHD. Nuclear Fusion, 2001, 41, 779-790.	3.5	16
152	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	2.1	106
153	Ion and electron heating in ICRF heating experiments on LHD. Nuclear Fusion, 2001, 41, 1021-1035.	3.5	41
154	Overview of LHD experiments. Nuclear Fusion, 2001, 41, 1355-1367.	3.5	53
155	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
156	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
157	Improved plasma performance on Large Helical Device. Physics of Plasmas, 2001, 8, 2002-2008.	1.9	16
158	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
159	Observation of the "Self-Healing" of an Error Field Island in the Large Helical Device. Physical Review Letters, 2001, 87, 135002.	7.8	67
160	Overview of LHD diagnostics and data acquisition system. Fusion Engineering and Design, 2000, 48, 179-185.	1.9	2
161	A trial to combine heterogeneous computer systems in NIFS. Fusion Engineering and Design, 2000, 48, 83-89.	1.9	0
162	Overview of long pulse operation in the Large Helical Device. Nuclear Fusion, 2000, 40, 1157-1166.	3.5	19

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163	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
164	The first ICRF heating experiment in the large helical device. Plasma Physics and Controlled Fusion, 2000, 42, 265-274.	2.1	18
165	Overview of the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 1165-1177.	2.1	23
166	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
167	Edge Thermal Transport Barrier In LHD Discharges. Physical Review Letters, 2000, 84, 103-106.	7.8	60
168	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
169	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
170	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). Physics of Plasmas, 2000, 7, 1802-1808.	1.9	11
171	Initial ICRF heating experiments on the LHD. , 1999, , .		1
172	RF experiments in LHD. , 1999, , .		3
173	Global MHD modes excited by energetic ions in heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1929-1933.	3.5	17
174	Transition from L mode to high ion temperature mode in CHS heliotron/torsatron plasmas. Nuclear Fusion, 1999, 39, 1649-1658.	3.5	26
175	Experiments on NBI plasmas in LHD. Plasma Physics and Controlled Fusion, 1999, 41, B157-B166.	2.1	29
176	Plasma confinement studies in LHD. Nuclear Fusion, 1999, 39, 1659-1666.	3.5	28
177	Confinement physics study in a small low aspect ratio helical device: CHS. Nuclear Fusion, 1999, 39, 1337-1350.	3.5	49
178	Electric pulsation and profile quantization in CHS heliotron/torsatron. Plasma Physics and Controlled Fusion, 1999, 41, A561-A568.	2.1	5
179	Overview of the Large Helical Device project. Nuclear Fusion, 1999, 39, 1245-1256.	3.5	270
180	Energetic-Ion-Driven Toroidal Alfvén Eigenmodes Observed in a Heliotron/Torsatron Plasma. Physical Review Letters, 1999, 83, 312-315.	7.8	36

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181	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
182	Initial physics achievements of large helical device experiments. Physics of Plasmas, 1999, 6, 1843-1850.	1.9	176
183	High speed tangential soft x-ray camera for the study of magnetohydrodynamics instabilities. Review of Scientific Instruments, 1999, 70, 599-602.	1.3	30
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