Yasuhiko Takeiri

List of Publications by Year
in descending order

325 papers	6,857 citations	66343 42 h-index	110387 64 g-index
326 all docs	326 docs citations	326 times ranked	1550 citing authors

#	Article	IF	Citations
1	Overview of coordinated spherical tokamak research in Japan. Nuclear Fusion, 2022, 62, 042011.	3.5	5
2	Difference of co-extracted electron current and beam acceleration in a negative ion source with hydrogen-isotope ions. Journal of Physics: Conference Series, 2022, 2244, 012060.	0.4	0
3	Application of Divertor Pumping to Long-Pulse Discharge for Particle Control in LHD. Plasma and Fusion Research, 2021, 16, 1202014-1202014.	0.7	1
4	New approach to the control of particle recycling using divertor pumping in the Large Helical Device. Nuclear Fusion, 2019, 59, 086022.	3.5	8
5	Radiation control in LHD and radiation shielding capability of the torus hall during first campaign of deuterium experiment. Fusion Engineering and Design, 2019, 143, 180-187.	1.9	4
6	The Large Helical Device: Entering Deuterium Experiment Phase Toward Steady-State Helical Fusion Reactor Based on Achievements in Hydrogen Experiment Phase. IEEE Transactions on Plasma Science, 2018, 46, 2348-2353.	1.3	42
7	Prospect Toward Steady-State Helical Fusion Reactor Based on Progress of LHD Project Entering the Deuterium Experiment Phase. IEEE Transactions on Plasma Science, 2018, 46, 1141-1148.	1.3	28
8	Establishment of a low recycling state with full density control by active pumping of the closed helical divertor at LHD. Nuclear Fusion, 2018, 58, 014005.	3.5	7
9	Stable sustainment of plasmas with electron internal transport barrier by ECH in the LHD. Plasma Physics and Controlled Fusion, 2018, 60, 025012.	2.1	5
10	Advanced Helical Plasma Research towards a Steady-State Fusion Reactor by Deuterium Experiments in Large Helical Device. Atoms, 2018, 6, 69.	1.6	11
11	First results of deuterium beam operation on neutral beam injectors in the large helical device. AIP Conference Proceedings, 2018, , .	0.4	12
12	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
13	Preparation and Commissioning for the LHD Deuterium Experiment. IEEE Transactions on Plasma Science, 2018, 46, 2324-2331.	1.3	48
14	Response of Hâ^' ions to extraction field in a negative hydrogen ion source. Fusion Engineering and Design, 2017, 123, 481-484.	1.9	12
15	Extension of high-beta plasma operation to low-collisionality regime. Nuclear Fusion, 2017, 57, 066007.	3.5	7
16	Physics-based investigation of negative ion behavior in a negative-ion-rich plasma using integrated diagnostics. AIP Conference Proceedings, 2017, , .	0.4	6
17	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116
18	Overview of spherical tokamak research in Japan. Nuclear Fusion, 2017, 57, 102005.	3.5	6

#	Article	IF	Citations
19	Extension of operational regime in high-temperature plasmas and effect of ECRH on ion thermal transport in the LHD. Nuclear Fusion, 2017, 57, 086029.	3.5	17
20	Study of back streaming ion using a slot-type grounded grid in hydrogen negative-ion source. AIP Conference Proceedings, 2017, , .	0.4	8
21	Installation of spectrally selective imaging system in RF negative ion source. Review of Scientific Instruments, 2016, 87, 02B113.	1.3	1
22	Optics of the NIFS negative ion source test stand by infrared calorimetry and numerical modelling. Review of Scientific Instruments, 2016, 87, 02B908.	1.3	8
23	Progress of long pulse discharges by ECH in LHD. Nuclear Fusion, 2016, 56, 046005.	3.5	7
24	Upgraded millimeter-wave interferometer for measuring the electron density during the beam extraction in the negative ion source. Review of Scientific Instruments, 2016, 87, 11E105.	1.3	4
25	Charged particle flows in the beam extraction region of a negative ion source for NBI. Review of Scientific Instruments, 2016, 87, 02B103.	1.3	19
26	Improvement of accelerator of negative ion source on the Large Helical Device. Review of Scientific Instruments, 2016, 87, 02B321.	1.3	7
27	Improvement in Flexibility of ECCD by Upgraded ECH Antenna System on LHD. Plasma and Fusion Research, 2016, 11, 2402036-2402036.	0.7	3
28	Depth of Influence on the Plasma by Beam Extraction in a Negative Hydrogen Ion Source for NBI. Plasma and Fusion Research, 2016, 11, 2405037-2405037.	0.7	3
29	Recent Studies of Hydrogen Negative Ion Source and Beam Production for NBI in Large Helical Device. Plasma and Fusion Research, 2016, 11, 2505038-2505038.	0.7	5
30	Comparison of Ion Internal Transport Barrier Formation between Hydrogen and Helium Dominated Plasmas. Plasma and Fusion Research, 2016, 11, 2402106-2402106.	0.7	4
31	Cavity Ringdown Technique for negative-hydrogen-ion measurement in ion source for neutral beam injector. Journal of Instrumentation, 2016, 11, C03018-C03018.	1.2	22
32	Negative ion production and beam extraction processes in a large ion source (invited). Review of Scientific Instruments, 2016, 87, 02B936.	1.3	33
33	Development of the Heating Scenarios to Achieve High-Ion Temperature Plasma in the Large Helical Device. Plasma and Fusion Research, 2015, 10, 1402001-1402001.	0.7	7
34	Spatial Distributions of Charged Particles and Plasma Potential before and during Beam Extraction in a Negative Hydrogen Ion Source for NBI. Plasma and Fusion Research, 2015, 10, 3405016-3405016.	0.7	6
35	High Power Heating and Steady State Operation in the Large Helical Device. Fusion Science and Technology, 2015, 68, 216-224.	1.1	6
36	Integrated discharge scenario for high-temperature helical plasma in LHD. Nuclear Fusion, 2015, 55, 113020.	3.5	37

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37	Effect of the RF wall conditioning on the high performance plasmas in the Large Helical Device. Journal of Nuclear Materials, 2015, 463, 1100-1103.	2.7	10
38	Hydrogen atom temperature measured with wavelength-modulated laser absorption spectroscopy in large scale filament arc negative hydrogen ion source. AIP Conference Proceedings, 2015, , .	0.4	8
39	Research progress on ionic plasmas generated in an intense hydrogen negative ion source. AIP Conference Proceedings, 2015, , .	0.4	7
40	Design, installation, commissioning and operation of a beamlet monitor in the negative ion beam test stand at NIFS. AIP Conference Proceedings, 2015, , .	0.4	9
41	Evaluation of negative ion distribution changes by image processing diagnostic. AIP Conference Proceedings, 2015, , .	0.4	3
42	Laser photodetachment diagnostics of a 1/3-size negative hydrogen ion source for NBI. AIP Conference Proceedings, 2015, , .	0.4	6
43	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
44	Characteristics of MHD instabilities limiting the beta value in LHD. Nuclear Fusion, 2015, 55, 083020.	3.5	15
45	Impact of carbon impurities on the confinement of high-ion-temperature discharges in the Large Helical Device. Plasma Physics and Controlled Fusion, 2014, 56, 095011.	2.1	24
46	Progress in development of the neutron profile monitor for the large helical device. Review of Scientific Instruments, 2014, 85, 11E110.	1.3	31
47	Wide dynamic range neutron flux monitor having fast time response for the Large Helical Device. Review of Scientific Instruments, 2014, 85, 11E114.	1.3	54
48	Characteristics of plasma grid bias in large-scaled negative ion source. Review of Scientific Instruments, 2014, 85, 02B131.	1.3	8
49	Development of spectrally selective imaging system for negative hydrogen ion source. Review of Scientific Instruments, 2014, 85, 02A724.	1.3	4
50	High Ion Temperature Plasmas using an ICRF Wall-Conditioning Technique in the Large Helical Device. Plasma and Fusion Research, 2014, 9, 1402050-1402050.	0.7	13
51	Divertor heat and particle control experiments on the large helical device. Journal of Nuclear Materials, 2013, 438, S133-S138.	2.7	13
52	Identification of the extraction structure of H^{â^'}ions by H_{Î±}imaging spectroscopy. New Journal of Physics, 2013, 15, 103026.	2.9	28
53	3-D effects on viscosity and generation of toroidal and poloidal flows in LHD. Physics of Plasmas, 2013, 20, .	1.9	10
54	Mitigation of NBI-driven AlfvÃ©n eigenmodes by electron cyclotron heating in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 072004.	3.5	44

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55	Extension of the operational regime in high-temperature plasmas and the dynamic-transport characteristics in the LHD. Nuclear Fusion, 2013, 53, 073034.	3.5	26
56	LHD accomplishments/plans in support of fusion next-steps. , 2013, , .		0
57	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
58	Steady-state operation using a dipole mode ion cyclotron heating antenna and 77 GHz electron cyclotron heating in the Large Helical Device. Nuclear Fusion, 2013, 53, 063017.	3.5	22
59	Behavior of Negative Ion and Secondary Particles in Multi-Aperture Accelerator. Plasma and Fusion Research, 2013, 8, 2405060-2405060.	0.7	1
60	Hâ¯ density profile and response to applied bias and extraction voltages in Hâ¯ source. AIP Conference Proceedings, 2013, , .	0.4	10
61	Polar distribution of ions and electrons in extraction region of a large-scaled caesium seeded ion source. AIP Conference Proceedings, 2013, , .	0.4	7
62	Development of intense hydrogen-negative-ion source for neutral beam injectors at NIFS. AIP Conference Proceedings, 2013, , .	0.4	19
63	Workshop on performance variations in Hâ¯ ion sources 2012: PV Hâ¯12. AIP Conference Proceedings, 2013, , .	0.4	2
64	Visualization of H^{â¯} Dynamics in Extraction Region of Negative-Ion Source by H_{Î±} Imaging Spectroscopy. Plasma and Fusion Research, 2013, 8, 1301036-1301036.	0.7	10
65	Laser measurement of Hâ€“ions in a field-effect-transistor based radio frequency ion source. Review of Scientific Instruments, 2012, 83, 02A731.	1.3	0
66	Electron density measurement of cesium seeded negative ion source by surface wave probe. Review of Scientific Instruments, 2012, 83, 02B113.	1.3	6
67	Spatial distribution of the charged particles and potentials during beam extraction in a negative-ion source. Review of Scientific Instruments, 2012, 83, 02B116.	1.3	43
68	Hâ¯ beam extraction from a cesium seeded field effect transistor based radio frequency negative hydrogen ion source. Review of Scientific Instruments, 2012, 83, 02B122.	1.3	4
69	Design of a Vacuum Pumping System for the Closed Helical Divertor for Steady State Operation in LHD. Plasma and Fusion Research, 2012, 7, 2405145-2405145.	0.7	4
70	Activity of national institute for Fusion Science toward realization of helical fusion reactor. , 2011, , .		0
71	Recent Fusion Research in the National Institute for Fusion Science. Plasma and Fusion Research, 2011, 6, 2102149-2102149.	0.7	1
72	Comparison of Optical Emission Spectroscopy and Cavity Ring-Down Spectroscopy in Large-Scaled Negative-Ion Source. AIP Conference Proceedings, 2011, , .	0.4	9

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73	Modeling activities on the negative-ion-based Neutral Beam Injectors of the Large Helical Device. , 2011, , .		1
74	Development of the JT-60SA Neutral Beam Injectors. AIP Conference Proceedings, 2011, , .	0.4	11
75	Improvement of Plasma Performance Using Carbon Pellet Injection in Large Helical Device. Plasma Science and Technology, 2011, 13, 290-296.	1.5	6
76	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. Nuclear Fusion, 2011, 51, 083022.	3.5	39
77	Characteristics of Hydrogen Negative Ion Source with FET based RF System. AIP Conference Proceedings, 2011, , .	0.4	2
78	Improvement of Plasma Production for Large Area Multi-antenna RF Ion Source. AIP Conference Proceedings, 2011, , .	0.4	2
79	Cavity Ring-Down System for Density Measurement of Negative Hydrogen Ion on Negative Ion Source. AIP Conference Proceedings, 2011, , .	0.4	22
80	Measurement of Electron Density near Plasma Grid of Large-scaled Negative Ion Source by Means of Millimeter-Wave Interferometer. AIP Conference Proceedings, 2011, , .	0.4	6
81	Experimental Mapping and Benchmarking of Magnetic Field Codes on the LHD Ion Accelerator. AIP Conference Proceedings, 2011, , .	0.4	5
82	Stability of High Power Beam Injection in Negative-Ion-Based LHD-NBI. AIP Conference Proceedings, 2011, , .	0.4	3
83	Neutral Gas Compression in the Helical Divertor with a Baffle Structure in the LHD Heliotron. Plasma and Fusion Research, 2011, 6, 1202007-1202007.	0.7	20
84	Improvement of Plasma Core Confinement Via Electron-Root Realization by Strongly Focused ECRH in LHD: Core Electron-Root Confinement. Fusion Science and Technology, 2010, 58, 38-45.	1.1	6
85	Progress in the Integrated Development of the Helical System. Fusion Science and Technology, 2010, 58, 12-28.	1.1	19
86	Potential Measurement with the 6-MeV Heavy Ion Beam Probe of LHD. Plasma and Fusion Research, 2010, 5, S1015-S1015.	0.7	9
87	Plasma Initiation by Neutral Beam Injection. Fusion Science and Technology, 2010, 58, 497-503.	1.1	7
88	Local Transport Property of High-Beta Plasmas on LHD. Fusion Science and Technology, 2010, 58, 141-149.	1.1	5
89	Spontaneous Toroidal Flow and Impurity Hole in the High Ion Temperature Plasma on LHD. Fusion Science and Technology, 2010, 58, 103-112.	1.1	4
90	Research and Development Activities on Negative Ion Sources. Fusion Science and Technology, 2010, 58, 489-496.	1.1	20

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91	Progress in Steady-State Plasma Operation Using ICRF Heating on LHD. Fusion Science and Technology, 2010, 58, 524-529.	1.1	7
92	Ion Heating Experiments and Improvement of Ion Heat Transport in LHD. Fusion Science and Technology, 2010, 58, 46-52.	1.1	6
93	High Performance of Neutral Beam Injectors for Extension of LHD Operational Regime. Fusion Science and Technology, 2010, 58, 482-488.	1.1	66
94	Goal and Achievements of Large Helical Device Project. Fusion Science and Technology, 2010, 58, 1-11.	1.1	127
95	Fast-Ion Confinement Studies on LHD. Fusion Science and Technology, 2010, 58, 131-140.	1.1	19
96	Fastâ€Ion Response to Energeticâ€Particleâ€Driven MHD Activity in Heliotron J. Contributions To Plasma Physics, 2010, 50, 534-539.	1.1	4
97	Ion Internal Transport Barrier in the Large Helical Device. Contributions To Plasma Physics, 2010, 50, 558-561.	1.1	9
98	Considerations from the Viewpoint of Neoclassical Transport Towards Higher Ion Temperature Heliotron Plasmas. Contributions To Plasma Physics, 2010, 50, 586-589.	1.1	5
99	Analysis of the footprint traces on the first walls of the compact plasma wall interaction device (CPD) using surface analysis and electron orbit calculations. Nuclear Fusion, 2010, 50, 025017.	3.5	5
100	Spontaneous toroidal rotation driven by the off-diagonal term of momentum and heat transport in the plasma with the ion internal transport barrier in LHD. Nuclear Fusion, 2010, 50, 064007.	3.5	38
101	Fast ion charge exchange spectroscopy adapted for tangential viewing geometry in LHD. Review of Scientific Instruments, 2010, 81, 10D327.	1.3	12
102	Beamlet characteristics in the accelerator with multislot grounded grid. Review of Scientific Instruments, 2010, 81, 02B117.	1.3	27
103	Characteristics of 80 keV positive ion source for Large Helical Device. Review of Scientific Instruments, 2010, 81, 02B116.	1.3	3
104	Fusion product diagnostics planned for Large Helical Device deuterium experiment. Review of Scientific Instruments, 2010, 81, 10D310.	1.3	15
105	Radio frequency ion source operated with field effect transistor based radio frequency system. Review of Scientific Instruments, 2010, 81, 02B107.	1.3	13
106	Negative ion source development for fusion application (invited). Review of Scientific Instruments, 2010, 81, 02B114.	1.3	70
107	Observation of Reversed-Shear AlfvÃ©n Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	7.8	44
108	Experimental study of radial electric field and electrostatic potential fluctuation in the Large Helical Device. Plasma Physics and Controlled Fusion, 2010, 52, 124025.	2.1	19

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109	Turbulence Response in the High Ti Discharge of the LHD. Plasma and Fusion Research, 2010, 5, S2053-S2053.	0.7	35
110	Multi-antenna RF Ion Source at a High RF Power Level. , 2009, , .		2
111	Observation of an impurity hole in a plasma with an ion internal transport barrier in the Large Helical Device. Physics of Plasmas, 2009, 16, .	1.9	91
112	Observation of an impurity hole in the Large Helical Device. Nuclear Fusion, 2009, 49, 062002.	3.5	46
113	Dynamics of ion internal transport barrier in LHD heliotron and JT-60U tokamak plasmas. Nuclear Fusion, 2009, 49, 095024.	3.5	21
114	Dynamic transport study of the plasmas with transport improvement in LHD and JT-60U. Nuclear Fusion, 2009, 49, 015005.	3.5	10
115	10 years of engineering and physics achievements by the Large Helical Device project. Fusion Engineering and Design, 2009, 84, 186-193.	1.9	16
116	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
117	Characteristics of rf H[sup â^'] Ion Source by Using FET Power Source. , 2009, , .		2
118	Recent Progress in the Negative-Ion-Based Neutral Beam Injectors in Large Helical Device. , 2009, , .		8
119	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
120	A Phenomenological Probe Model of Fast Ion Measurement Using a Hybrid Directional Probe. Contributions To Plasma Physics, 2008, 48, 480-484.	1.1	1
121	Neutral beam injection with an improved accelerator for LHD. Review of Scientific Instruments, 2008, 79, 02C107.	1.3	21
122	Fast ion measurement using a hybrid directional probe in the large helical device. Review of Scientific Instruments, 2008, 79, 10E523.	1.3	4
123	Spectroscopic observations of beam and source plasma light and testing Cs-deposition monitor in the large area negative ion source for LHD-NBI. Review of Scientific Instruments, 2008, 79, 02C105.	1.3	0
124	Local observations of fast ion responses to energetic particle modes using a directional probe in the Compact Helical System (CHS). Nuclear Fusion, 2008, 48, 084005.	3.5	1
125	Study on the Leakage Fields Prediction of a Static Ferromagnetic Shield in Consideration of Hysteresis and Residual Strain of Shielding Materials. Japanese Journal of Applied Physics, 2008, 47, 3673.	1.5	2
126	Extension of the high-ion-temperature regime in the Large Helical Device. Physics of Plasmas, 2008, 15, 056111.	1.9	20

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127	Optical measurement of Cs distribution in the large negative ion source. Review of Scientific Instruments, 2008, 79, 02A518.	1.3	4
128	Fast ion charge exchange spectroscopy measurement using a radially injected neutral beam on the large helical device. Review of Scientific Instruments, 2008, 79, 10E519.	1.3	28
129	Stability and Confinement Studies of High-Performance NBI Plasmas in the Large Helical Device Toward a Steady-State Helical Fusion Reactor. Plasma and Fusion Research, 2008, 3, S1001-S1001.	0.7	3
130	Ion Heating Experiments Using Perpendicular Neutral Beam Injection in the Large Helical Device. Plasma and Fusion Research, 2008, 3, S1013-S1013.	0.7	11
131	Neoclassical Transport Properties in High-Ion-Temperature Hydrogen Plasmas in the Large Helical Device (LHD). Plasma and Fusion Research, 2008, 3, S1056-S1056.	0.7	5
132	ICRH of JET and LHD Majority Ions at Their Fundamental Cyclotron Frequency. AIP Conference Proceedings, 2007, , .	0.4	1
133	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
134	High-Power Negative Ion Sources for Neutral Beam Injectors in Large Helical Device. AIP Conference Proceedings, 2007, , .	0.4	3
135	Core electron-root confinement (CERC) in helical plasmas. Nuclear Fusion, 2007, 47, 1213-1219.	3.5	97
136	H-mode-like transition and ELM-like bursts in LHD with thick ergodic layer. Nuclear Fusion, 2007, 47, 1033-1044.	3.5	19
137	Steady-state operation and high energy particle production of MeV energy in the Large Helical Device. Nuclear Fusion, 2007, 47, 1250-1257.	3.5	38
138	Confinement improvement in high-ion temperature plasmas heated with high-energy negative-ion-based neutral beam injection in the Large Helical Device. Nuclear Fusion, 2007, 47, 1078-1085.	3.5	27
139	Superdense core mode in the Large Helical Device with an internal diffusion barrier. Physics of Plasmas, 2007, 14, 056113.	1.9	29
140	Measurement of Relative Flux of Fractional-Energy Emissions Using Beam Emission Diagnostic. Fusion Science and Technology, 2007, 51, 286-288.	1.1	0
141	Beam Emission Diagnostic for Estimating Neutral Beam Attenuation. Fusion Science and Technology, 2007, 51, 283-285.	1.1	1
142	Development of a 40kV Series-connected IGBT Switch. , 2007, , .		5
143	Observation of Hydrogen and Cesium Spectra in a Negative Ion Source for a Neutral Beam Injector using a Multi-Channel Spectrometer. Plasma and Fusion Research, 2007, 2, S1047-S1047.	0.7	4
144	Simultaneous Measurements of Proton Ratio and Beam Divergence of Positive-Ion-Based Neutral Beam in the Large Helical Device. Plasma and Fusion Research, 2007, 2, S1051-S1051.	0.7	2

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145	Calibrations of Fast Ion Flux Measurement Using a Hybrid Directional Probe. Plasma and Fusion Research, 2007, 2, S1092-S1092.	0.7	5
146	Thirty-minute plasma sustainment by real-time magnetic-axis swing for effective divertor-load-dispersion in the Large Helical Device. Physics of Plasmas, 2006, 13, 056118.	1.9	5
147	Study of Long-Pulse Plasma Experiment Using ICRF Heating in LHD. Fusion Science and Technology, 2006, 50, 186-191.	1.1	3
148	Overview of Progress in LHD Experiments. Fusion Science and Technology, 2006, 50, 136-145.	1.1	17
149	Common Features of Core Electron-Root Confinement in Helical Devices. Fusion Science and Technology, 2006, 50, 327-342.	1.1	43
150	Repetitive pellet fuelling for high-density/steady-state operation on LHD. Nuclear Fusion, 2006, 46, 884-889.	3.5	28
151	Experimental observations of enhanced radial transport of energetic particles with AlfvÃ©n eigenmode on the LHD. Nuclear Fusion, 2006, 46, S911-S917.	3.5	76
152	Long-pulse plasma discharge on the Large Helical Device. Nuclear Fusion, 2006, 46, S13-S21.	3.5	21
153	High-power and long-pulse injection with negative-ion-based neutral beam injectors in the Large Helical Device. Nuclear Fusion, 2006, 46, S199-S210.	3.5	104
154	Impact of real-time magnetic axis sweeping on steady state divertor operation in LHD. Nuclear Fusion, 2006, 46, 714-724.	3.5	20
155	Doppler-shift spectra of HÎ± lines from negative-ion-based neutral beams for large helical device neutral beam injection. Review of Scientific Instruments, 2006, 77, 03A538.	1.3	4
156	Ion-beam extraction with single hole extractor from multiantenna rf ion source in NIFS. Review of Scientific Instruments, 2006, 77, 03B506.	1.3	1
157	High Power Neutral Beam Injection in LHD. Plasma Science and Technology, 2006, 8, 24-27.	1.5	13
158	Review of Divertor Studies in LHD. Plasma Science and Technology, 2006, 8, 14-18.	1.5	3
159	ICRF Heated Long-Pulse Plasma Discharges in LHD. Plasma Science and Technology, 2006, 8, 28-32.	1.5	1
160	Slow Transition of Energy Transport in High-Temperature Plasmas. Physical Review Letters, 2006, 96, 125006.	7.8	22
161	Characteristics of long-pulse negative-ion source in the neutral beam injector of Large Helical Device. Review of Scientific Instruments, 2006, 77, 03A523.	1.3	5
162	Homodyne reflectometer for neutral beam injection interlock on large helical device. Review of Scientific Instruments, 2006, 77, 10E912.	1.3	2

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163	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
164	Local island divertor experiments on LHD. Journal of Nuclear Materials, 2005, 337-339, 154-160.	2.7	50
165	Correction of Beam Distortion in Negative Hydrogen Ion Source with Multi-Slot Grounded Grid. AIP Conference Proceedings, 2005, , .	0.4	5
166	Long Pulse Plasma Heating Experiment by Ion Cyclotron Heating in LHD. AIP Conference Proceedings, 2005, , .	0.4	3
167	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38
168	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. Nuclear Fusion, 2005, 45, 326-336.	3.5	44
169	High-ion temperature experiments with negative-ion-based neutral beam injection heating in Large Helical Device. Nuclear Fusion, 2005, 45, 565-573.	3.5	22
170	Edge plasma control by local island divertor in LHD. Nuclear Fusion, 2005, 45, 837-842.	3.5	25
171	Characteristics of confinement and stability in large helical device edge plasmas. Physics of Plasmas, 2005, 12, 056122.	1.9	14
172	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	1.9	38
173	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	2.1	30
174	Giant Ion Sources for Neutral Beams. , 2005, , 341-371.		1
175	RELATIONSHIP BETWEEN H-/D- PRODUCTION AND PLASMA PARAMETER CONTROL WITH MAGNETIC FILTER IN VOLUME NEGATIVE ION SOURCES. , 2005, , 55-58.		1
176	Thirty-Minute Plasma Sustainment by ICRF, EC and NBI Heating in the Large Helical Device. Journal of Plasma and Fusion Research, 2005, 81, 229-230.	0.4	21
177	Experiences with Carbon Divertor Operation in LHD. Physica Scripta, 2004, T111, 29.	2.5	0
178	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	1.1	10
179	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	3.5	58
180	Energetic ion driven AlfvÃ©n 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

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181	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
182	High power beam injection using an improved negative ion source for the large helical device. Review of Scientific Instruments, 2004, 75, 1847-1850.	1.3	30
183	Negative ion source improvement by introduction of a shutter mask. Review of Scientific Instruments, 2004, 75, 1726-1728.	1.3	5
184	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
185	Evaluation of energetic particle confinement using CXNPA with NB-blip experiments on Large Helical Device. Review of Scientific Instruments, 2004, 75, 3601-3603.	1.3	7
186	Effect of Ne Glow Discharge on Ion Density Control in LHD. Plasma Science and Technology, 2004, 6, 2440-2444.	1.5	3
187	Control of negative ion beam uniformity by using multipower supplies for arc discharge. Review of Scientific Instruments, 2004, 75, 1744-1746.	1.3	23
188	Studies of Hâˆ’ source for large helical device-neutral beam injector (invited). Review of Scientific Instruments, 2004, 75, 1803-1808.	1.3	8
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