Kenichi Nagaoka

List of Publications by Year
in descending order

168	3,325	147801	189892
papers	citations	31 h-index	50 g-index

169	169	169	1304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of Zonal Flows in a Toroidal Plasma. Physical Review Letters, 2004, 93, 165002.	7.8	331
2	Recent advances in the LHD experiment. Nuclear Fusion, 2003, 43, 1674-1683.	3.5	119
3	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	3.5	116
4	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
5	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
6	Charge-Exchange Spectroscopy with Pitch-Controlled Double-Slit Fiber Bundle on LHD. Fusion Science and Technology, 2010, 58, 375-382.	1.1	83
7	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
8	High Performance of Neutral Beam Injectors for Extension of LHD Operational Regime. Fusion Science and Technology, 2010, 58, 482-488.	1.1	66
9	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
10	Experimental observation of a tripolar vortex in a plasma. Physics of Plasmas, 2003, 10, 2211-2216.	1.9	58
11	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	3.5	57
12	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
13	Engineering prospects of negative-ion-based neutral beam injection system from high power operation for the large helical device. Nuclear Fusion, 2003, 43, 692-699.	3.5	51
14	Experimental Evidence of a Zonal Magnetic Field in a Toroidal Plasma. Physical Review Letters, 2007, 98, 165001.	7.8	45
15	Observation of Reversed-Shear AlfvÃ©n Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	7.8	44
16	Mitigation of NBI-driven AlfvÃ©n eigenmodes by electron cyclotron heating in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 072004.	3.5	44
17	Plasma Flow Measurement Using Directional Langmuir Probe Under Weakly Ion-Magnetized Conditions. Journal of the Physical Society of Japan, 2001, 70, 131-137.	1.6	43
18	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

#	Article	IF	Citations
19	Development and application of a ray-tracing code integrating with 3D equilibrium mapping in LHD ECH experiments. Nuclear Fusion, 2015, 55, 123019.	3.5	43
20	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. Nuclear Fusion, 2011, 51, 083022.	3.5	39
21	AlfvÃ©n eigenmode properties and dynamics in the TJ-II stellarator. Nuclear Fusion, 2012, 52, 123004.	3.5	39
22	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
23	Observation of the low to high confinement transition in the large helical device. Physics of Plasmas, 2005, 12, 020701.	1.9	38
24	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
25	Studies of fast-ion transport induced by energetic particle modes using fast-particle diagnostics with high time resolution in CHS. Nuclear Fusion, 2006, 46, S918-S925.	3.5	37
26	Intermittent characteristics in coupling between turbulence and zonal flows. Plasma Physics and Controlled Fusion, 2007, 49, 211-217.	2.1	37
27	Integrated discharge scenario for high-temperature helical plasma in LHD. Nuclear Fusion, 2015, 55, 113020.	3.5	37
28	Resistive Interchange Modes Destabilized by Helically Trapped Energetic Ions in a Helical Plasma. Physical Review Letters, 2015, 114, 155003.	7.8	37
29	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
30	Turbulence Response in the High Ti Discharge of the LHD. Plasma and Fusion Research, 2010, 5, S2053-S2053.	0.7	35
31	Plasma performance and impurity behaviour in long pulse discharges on LHD. Nuclear Fusion, 2003, 43, 219-227.	3.5	34
32	Turbulence and transport characteristics of a barrier in a toroidal plasma. Plasma Physics and Controlled Fusion, 2006, 48, S205-S212.	2.1	32
33	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
34	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	2.1	30
35	Suppression of fast-ion-driven MHD instabilities by ECH/ECCD on Heliotron J. Nuclear Fusion, 2017, 57, 126065.	3.5	29
36	Edge transport barrier formation in compact helical system. Plasma Physics and Controlled Fusion, 2004, 46, A113-A119.	2.1	28

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37	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
38	Identification of the extraction structure of H^{â^'}ions by H_{Î±}imaging spectroscopy. New Journal of Physics, 2013, 15, 103026.	2.9	28
39	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
40	Beamlet characteristics in the accelerator with multislot grounded grid. Review of Scientific Instruments, 2010, 81, 02B117.	1.3	27
41	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
42	Edge plasma control by local island divertor in LHD. Nuclear Fusion, 2005, 45, 837-842.	3.5	25
43	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
44	Control of negative ion beam uniformity by using multipower supplies for arc discharge. Review of Scientific Instruments, 2004, 75, 1744-1746.	1.3	23
45	A Quasi-Coherent Electrostatic Mode in ECRH Plasmas on TJ-II. Plasma and Fusion Research, 2011, 6, 2402030-2402030.	0.7	23
46	Exploring deuterium beam operation and the behavior of the co-extracted electron current in a negative-ion-based neutral beam injector. Nuclear Fusion, 2019, 59, 076009.	3.5	23
47	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
48	Cavity Ring-Down System for Density Measurement of Negative Hydrogen Ion on Negative Ion Source. AIP Conference Proceedings, 2011, , .	0.4	22
49	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
50	Long-pulse plasma discharge on the Large Helical Device. Nuclear Fusion, 2006, 46, S13-S21.	3.5	21
51	Neutral beam injection with an improved accelerator for LHD. Review of Scientific Instruments, 2008, 79, 02C107.	1.3	21
52	Dynamics of ion internal transport barrier in LHD heliotron and JT-60U tokamak plasmas. Nuclear Fusion, 2009, 49, 095024.	3.5	21
53	Fast-Particle Diagnostics on LHD. Fusion Science and Technology, 2010, 58, 426-435.	1.1	21
54	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

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55	Gyrokinetic microinstability analysis of high-T _i and high-T _e isotope plasmas in Large Helical Device. Plasma Physics and Controlled Fusion, 2019, 61, 014016.	2.1	21
56	H-mode-like transition and ELM-like bursts in LHD with thick ergodic layer. Nuclear Fusion, 2007, 47, 1033-1044.	3.5	19
57	Progress in the Integrated Development of the Helical System. Fusion Science and Technology, 2010, 58, 12-28.	1.1	19
58	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
59	Effect of ECH/ECCD on energetic-particle-driven MHD modes in helical plasmas. Nuclear Fusion, 2020, 60, 066018.	3.5	19
60	Transition of Edge Particle Transport in CHS. Journal of Plasma and Fusion Research, 2003, 79, 977-979.	0.4	19
61	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
62	10 years of engineering and physics achievements by the Large Helical Device project. Fusion Engineering and Design, 2009, 84, 186-193.	1.9	16
63	Collisionality dependence and ion species effects on heat transport in He and H plasma, and the role of ion scale turbulence in LHD. Nuclear Fusion, 2017, 57, 116005.	3.5	15
64	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
65	Integrated transport simulations of high ion temperature plasmas of LHD. Plasma Physics and Controlled Fusion, 2015, 57, 054009.	2.1	14
66	Abrupt reversal of convective flow of carbon impurity during impurity-hole formation on the LHD. Nuclear Fusion, 2015, 55, 083017.	3.5	14
67	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
68	Scaling of power threshold for edge transport barrier formation in CHS with density, magnetic field and magnetic configuration. Plasma Physics and Controlled Fusion, 2006, 48, 1683-1692.	2.1	13
69	EHO-like density fluctuations measured using beam emission spectroscopy in ETB discharges in CHS. Nuclear Fusion, 2006, 46, 317-323.	3.5	13
70	High Power Neutral Beam Injection in LHD. Plasma Science and Technology, 2006, 8, 24-27.	1.5	13
71	Zonal flow driven by energetic particle during magneto-hydro-dynamic burst in a toroidal plasma. Plasma Physics and Controlled Fusion, 2007, 49, 1945-1952.	2.1	13
72	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

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73	The isotope effect on impurities and bulk ion particle transport in the Large Helical Device. Nuclear Fusion, 2019, 59, 056029.	3.5	13
74	Response of Hâ¯ ions to extraction field in a negative hydrogen ion source. Fusion Engineering and Design, 2017, 123, 481-484.	1.9	12
75	First results of deuterium beam operation on neutral beam injectors in the large helical device. AIP Conference Proceedings, 2018, , .	0.4	12
76	Carbon impurities behavior and its impact on ion thermal confinement in high-ion-temperature deuterium discharges on the Large Helical Device. Plasma Physics and Controlled Fusion, 2018, 60, 074005.	2.1	12
77	Extension of high power deuterium operation of negative ion based neutral beam injector in the large helical device. Review of Scientific Instruments, 2019, 90, 113322.	1.3	12
78	Present Status in the Development of 6 MeV Heavy Ion Beam Probe on LHD. Plasma and Fusion Research, 2007, 2, S1098-S1098.	0.7	12
79	ECW/EBW Heating and Current Drive Experiment Results and Prospects for CW Operation in QUEST. Plasma and Fusion Research, 2012, 7, 2402112-2402112.	0.7	11
80	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
81	Characterisation of negative ion beam focusing based on phase space structure. New Journal of Physics, 2020, 22, 023017.	2.9	11
82	Ion Heating Experiments Using Perpendicular Neutral Beam Injection in the Large Helical Device. Plasma and Fusion Research, 2008, 3, S1013-S1013.	0.7	11
83	Cotton-Mouton polarimeter with HCN laser on CHS. Review of Scientific Instruments, 2006, 77, 10F118.	1.3	10
84	Study of an edge transport barrier by Langmuir probes in the compact helical system. Plasma Physics and Controlled Fusion, 2006, 48, A277-A283.	2.1	10
85	Hâ¯ density profile and response to applied bias and extraction voltages in Hâ¯ source. AIP Conference Proceedings, 2013, , .	0.4	10
86	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
87	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
88	Isotope effects in self-organization of internal transport barrier and concomitant edge confinement degradation in steady-state LHD plasmas. Scientific Reports, 2019, 9, 15913.	3.3	10
89	Effect of the tangential NBI current drive on the stability of pressure and energetic particle driven MHD modes in LHD plasma. Nuclear Fusion, 2020, 60, 026016.	3.5	10
90	Modeling of the ECCD injection effect on the Heliotron J and LHD plasma stability. Nuclear Fusion, 2020, 60, 112015.	3.5	10

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91	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
92	Potential Measurement with the 6-MeV Heavy Ion Beam Probe of LHD. Plasma and Fusion Research, 2010, 5, S1015-S1015.	0.7	9
93	Ion Internal Transport Barrier in the Large Helical Device. Contributions To Plasma Physics, 2010, 50, 558-561.	1.1	9
94	Observation of Toroidal Flow on LHD. Plasma and Fusion Research, 2008, 3, S1014-S1014.	0.7	9
95	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
96	Studies of Hâ^' source for large helical device-neutral beam injector (invited). Review of Scientific Instruments, 2004, 75, 1803-1808.	1.3	8
97	Characteristics of plasma grid bias in large-scaled negative ion source. Review of Scientific Instruments, 2014, 85, 02B131.	1.3	8
98	Observation of clump structure in transported particle orbit using an upgraded neutral particle analyzer during TAE burst in LHD. Nuclear Fusion, 2020, 60, 112002.	3.5	8
99	Challenges toward improvement of deuterium-injection power in the Large Helical Device negative-ion-based NBIs. Nuclear Fusion, 2022, 62, 056016.	3.5	8
100	Edge and internal transport barrier formations in CHS. Nuclear Fusion, 2005, 45, 863-870.	3.5	7
101	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
102	Improvement of accelerator of negative ion source on the Large Helical Device. Review of Scientific Instruments, 2016, 87, 02B321.	1.3	7
103	Development of a dual beamlet monitor system for negative ion beam measurements. Review of Scientific Instruments, 2018, 89, 123303.	1.3	7
104	Response of beam focusing to plasma fluctuation in a filament-arc-type negative ion source. Japanese Journal of Applied Physics, 2020, 59, SHHA01.	1.5	7
105	Isotope effects on transport in LHD. Plasma Physics and Controlled Fusion, 2021, 63, 094001.	2.1	7
106	Parameter Regime of Ion Internal Transport Barrier Formation in the Large Helical Device. Plasma and Fusion Research, 2010, 5, S2029-S2029.	0.7	7
107	Improvement of Plasma Performance Using Carbon Pellet Injection in Large Helical Device. Plasma Science and Technology, 2011, 13, 290-296.	1.5	6
108	High Power Heating and Steady State Operation in the Large Helical Device. Fusion Science and Technology, 2015, 68, 216-224.	1.1	6

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109	Laser photodetachment diagnostics of a 1/3-size negative hydrogen ion source for NBI. AIP Conference Proceedings, 2015, , .	0.4	6
110	Evaluation of Fast-Ion Confinement Using a Radially Injected Neutral Beam in the LHD. Plasma and Fusion Research, 2010, 5, S2042-S2042.	0.7	6
111	Characteristics of multiantenna rf ion source. Review of Scientific Instruments, 2004, 75, 1841-1843.	1.3	5
112	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
113	Definition of the profile gain factor and its application for internal transport barrier analysis in torus plasmas. Plasma Physics and Controlled Fusion, 2019, 61, 085005.	2.1	5
114	A mechanism of ion temperature peaking by impurity pellet injection in a heliotron plasma. Plasma Physics and Controlled Fusion, 2020, 62, 075008.	2.1	5
115	Demonstration of Beam Optics Optimization Using Plasma Grid Bias in a Negative Ion Source. Plasma and Fusion Research, 2018, 13, 1205110-1205110.	0.7	5
116	Calibrations of Fast Ion Flux Measurement Using a Hybrid Directional Probe. Plasma and Fusion Research, 2007, 2, S1092-S1092.	0.7	5
117	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
118	Study of the Dynamics of Convective Turbulence in the Solar Granulation by Spectral Line Broadening and Asymmetry. Astrophysical Journal, 2020, 890, 138.	4.5	5
119	Plasma hole. IEEE Transactions on Plasma Science, 2005, 33, 454-455.	1.3	4
120	Observation of radial phase shift of the edge harmonic oscillation in the edge transport barrier discharges in the Compact Helical System using beam emission spectroscopy. Physics of Plasmas, 2006, 13, 104504.	1.9	4
121	Design and initial operation of lost fast-ion probe based on thin Faraday films in CHS. Review of Scientific Instruments, 2006, 77, 10F508.	1.3	4
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	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
124	Comparison of Ion Internal Transport Barrier Formation between Hydrogen and Helium Dominated Plasmas. Plasma and Fusion Research, 2016, 11, 2402106-2402106.	0.7	4
125	A comprehensive study on impurity behavior in LHD long pulse discharges. Nuclear Materials and Energy, 2017, 12, 124-132.	1.3	4
126	Spatiotemporal oscillation of an ion beam extracted from a potential-oscillating plasma source. New Journal of Physics, 2019, 21, 093043.	2.9	4

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127	Study of correlation between plasma parameter and beam optics. Review of Scientific Instruments, 2020, 91, 023503.	1.3	4
128	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
129	Experimental Conditions for Electron Bernstein Wave Heating Using EC Waves Injected from High-Field Side in CHS. Plasma and Fusion Research, 2008, 3, S1076-S1076.	0.7	4
130	Physics of Heliotron J Confinement. Plasma and Fusion Research, 2010, 5, S2003-S2003.	0.7	4
131	Energy and pitch angle-resolved measurements of escaping helically trapped energetic ions at the small major radius side of the compact helical system. Review of Scientific Instruments, 2003, 74, 1739-1742.	1.3	3
132	Review of Divertor Studies in LHD. Plasma Science and Technology, 2006, 8, 14-18.	1.5	3
133	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
134	A New Deduction Method of Heat Flux Evolution From Thermal Probe Data. Contributions To Plasma Physics, 2014, 54, 285-290.	1.1	3
135	Integrated Particle Transport Simulation of NBI Plasmas in LHD. Plasma and Fusion Research, 2015, 10, 3403048-3403048.	0.7	3
136	Response of the far scrape-off layer plasma to strong gas puffing in the high poloidal beta configuration of the QUEST spherical tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 115004.	2.1	3
137	Deuterium experiment with large-scale negative ion source for large helical device. Japanese Journal of Applied Physics, 2020, 59, SHHC09.	1.5	3
138	Neutral Density Profile Determines the Vorticity of Ion Flow in a Charge Exchange-dominated Plasma.. Journal of Plasma and Fusion Research, 2002, 78, 1143-1144.	0.4	3
139	Optical Measurement of Cesium Behavior in a Large Hâ¯ Ion Source for a Neutral Beam Injector. Plasma and Fusion Research, 2010, 5, S2102-S2102.	0.7	3
140	Direct observation of the non-locality of non-diffusive counter-gradient electron thermal transport during the formation of hollow electron-temperature profiles in the Large Helical Device. Physics of Plasmas, 2022, 29, .	1.9	3
141	Rapid characterization of spices and herbs by direct heating sample introduction using a curie-point pyrolyzer. Journal of High Resolution Chromatography, 1988, 11, 347-350.	1.4	2
142	Two-dimensional plasma structure in the edge region of the compact helical system. Nuclear Fusion, 2007, 47, 251-256.	3.5	2
143	Measurement of Edge Plasma Heat Flux in Heliotron J Using a Thermal Probe. Plasma and Fusion Research, 2010, 5, S1045-S1045.	0.7	2
144	Characterization of isotope effect on ion internal transport barrier and its parameter dependence in Large Helical Device. Nuclear Fusion, 0, , .	3.5	2

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145	Improvement in Plasma Heating at Higher-Density Region Using 106.4 GHz Electron Cyclotron Heating System for Compact Helical System. Journal of the Physical Society of Japan, 2006, 75, 114501.	1.6	2
146	Observation of Electron Temperature Profiles with Bulged Regions around the .IOTA. = 1 Magnetic Surface of the Large Helical Device. Journal of Plasma and Fusion Research, 2004, 80, 277-278.	0.4	2
147	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
148	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
149	Study of negative ion beam emittance characteristic using 3D PIC-MCC simulation. Journal of Physics: Conference Series, 2022, 2244, 012040.	0.4	2
150	Formation of neoclassical internal transport barriers under various operational regimes on compact helical system. Plasma Physics and Controlled Fusion, 2004, 46, A285-A290.	2.1	1
151	ICRF Heated Long-Pulse Plasma Discharges in LHD. Plasma Science and Technology, 2006, 8, 28-32.	1.5	1
152	Measurement of 3-D Mode Structure of the Edge Harmonic Oscillations in CHS using Beam Emission Spectroscopy. Plasma and Fusion Research, 2007, 2, S1097-S1097.	0.7	1
153	Behavior of Negative Ion and Secondary Particles in Multi-Aperture Accelerator. Plasma and Fusion Research, 2013, 8, 2405060-2405060.	0.7	1
154	Observation of heat flux and plasma flow in scrape off layer in QUEST. Journal of Nuclear Materials, 2015, 463, 428-431.	2.7	1
155	Determination of the Major Impurity Radiators in the Reheat Mode Discharges in the Compact Helical System. Plasma and Fusion Research, 2007, 2, S1062-S1062.	0.7	1
156	Fast-Ion-Diagnostics for CHS Experiment. Plasma and Fusion Research, 2007, 2, S1076-S1076.	0.7	1
157	Bispectral Analysis of Harmonic Oscillations Measured using Beam Emission Spectroscopy and Magnetic Probes in CHS. Plasma and Fusion Research, 2008, 3, S1010-S1010.	0.7	1
158	Improvement of Ion Confinement in Core Electron-Root Confinement (CERC) Plasmas in Large Helical Device. Plasma and Fusion Research, 2008, 3, S1031-S1031.	0.7	1
159	Progress in Impurity-Related Physics Experiments in LHD. Plasma and Fusion Research, 2010, 5, S2004-S2004.	0.7	1
160	Hydrogen isotope effect on self-organized electron internal transport barrier criticality and role of radial electric field in toroidal plasmas. Scientific Reports, 2022, 12, 5507.	3.3	1
161	Increasing rate of water temperature due to an Ekman layer flow in a heated pot (fluid dynamics in the) Tj ETQq1 1 0.784314 rgBT /O	0.7	0
162	Simulational study on losses of neutral beam-injected energetic ions via collisional ripple transport in the low aspect ratio helical system CHS. Journal of Plasma Physics, 2006, 72, 1189.	2.1	0

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163	Effect of Electron Cyclotron Current Drive on the Ion Temperature in the Plasma Core Region of the Large Helical Device. Plasma and Fusion Research, 2018, 13, 1402124-1402124.	0.7	0
164	Characteristics of electroconvection turbulence and proposal of its application to turbulent transport experiment in a rotating spherical shell. High Energy Density Physics, 2019, 31, 79-82.	1.5	0
165	Validation of the distribution of stripping loss neutrals in the accelerator of the negative ion source. AIP Conference Proceedings, 2021, , .	0.4	0
166	Initial Results of Hydrogen and Deuterium Beam Ion Simultaneous Transport due to Toroidal AlfvÃ©n Eigenmode in the Large Helical Device. Plasma and Fusion Research, 2021, 16, 2402044-2402044.	0.7	0
167	Abundance ratio of multiple velocity distribution components in a single negative ion beamlet produced by a cesium-seeded negative ion source. AIP Advances, 2022, 12, .	1.3	0
168	Beam instability in the vicinity of beam extraction region of negative ion source. Journal of Physics: Conference Series, 2022, 2244, 012043.	0.4	0