

Sadayoshi Murakami

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302
papers

5,858
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40
h-index

61
g-index

317
ext. papers

6,217
ext. citations

2.2
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4.39
L-index

#	Paper	IF	Citations
302	Overview of the Large Helical Device project. <i>Nuclear Fusion</i> , 1999 , 39, 1245-1256	3.3	230
301	Characterization of energy confinement in net-current free plasmas using the extended International Stellarator Database. <i>Nuclear Fusion</i> , 2005 , 45, 1684-1693	3.3	191
300	Initial physics achievements of large helical device experiments. <i>Physics of Plasmas</i> , 1999 , 6, 1843-1850	2.1	170
299	Recent advances in the LHD experiment. <i>Nuclear Fusion</i> , 2003 , 43, 1674-1683	3.3	112
298	Finite ∇ Effects on the ICRF and NBI Heating in the Large Helical Device. <i>Fusion Science and Technology</i> , 1995 , 27, 256-259		111
297	The neoclassical ∇ Electron Root Feature in the Wendelstein-7-AS stellarator. <i>Physics of Plasmas</i> , 2000 , 7, 295-311	2.1	102
296	Benchmarking of the mono-energetic transport coefficients Results from the International Collaboration on Neoclassical Transport in Stellarators (ICNTS). <i>Nuclear Fusion</i> , 2011 , 51, 076001	3.3	101
295	Characteristics of electron heat transport of plasma with an electron internal-transport barrier in the large helical device. <i>Physical Review Letters</i> , 2003 , 91, 085003	7.4	99
294	Neoclassical transport optimization of LHD. <i>Nuclear Fusion</i> , 2002 , 42, L19-L22	3.3	94
293	Configuration flexibility and extended regimes in Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2001 , 43, A55-A71	2	93
292	Core electron-root confinement (CERC) in helical plasmas. <i>Nuclear Fusion</i> , 2007 , 47, 1213-1219	3.3	91
291	Extension of the operational regime of the LHD towards a deuterium experiment. <i>Nuclear Fusion</i> , 2017 , 57, 102023	3.3	84
290	Effects of global MHD instability on operational high beta-regime in LHD. <i>Nuclear Fusion</i> , 2005 , 45, 1247-1254	3.3	78
289	Neoclassical transport simulations for stellarators. <i>Physics of Plasmas</i> , 2011 , 18, 022505	2.1	76
288	A new δ method for neoclassical transport studies. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, 1091-1108	2	71
287	Observation of the "self-healing" of an error field island in the large helical device. <i>Physical Review Letters</i> , 2001 , 87, 135002	7.4	66
286	Formation of electron internal transport barriers by highly localized electron cyclotron resonance heating in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2003 , 45, 1183-1192	2	62

285	Large Helical Device (LHD) program. <i>Journal of Fusion Energy</i> , 1996 , 15, 7-153	1.6	62
284	Edge thermal transport barrier in LHD discharges. <i>Physical Review Letters</i> , 2000 , 84, 103-6	7.4	60
283	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. <i>Nuclear Fusion</i> , 2013 , 53, 126001	3.3	59
282	Experimental study of particle transport and density fluctuations in LHD. <i>Nuclear Fusion</i> , 2006 , 46, 110-123	3.3	58
281	Formation of electron internal transport barrier and achievement of high ion temperature in Large Helical Device. <i>Physics of Plasmas</i> , 2003 , 10, 1788-1795	2.1	57
280	Impact of pellet injection on extension of the operational region in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 381-386	3.3	57
279	Reduction of ion thermal diffusivity associated with the transition of the radial electric field in neutral-beam-heated plasmas in the large helical device. <i>Physical Review Letters</i> , 2001 , 86, 5297-300	7.4	57
278	5-D simulation study of suprathermal electron transport in non-axisymmetric plasmas. <i>Nuclear Fusion</i> , 2000 , 40, 693-700	3.3	57
277	Energy confinement time and heat transport in initial neutral beam heated plasmas on the large helical device. <i>Physical Review Letters</i> , 2000 , 84, 1216-9	7.4	57
276	Energy confinement and thermal transport characteristics of net current free plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2001 , 41, 901-908	3.3	56
275	Radial electric field and transport near the rational surface and the magnetic island in LHD. <i>Nuclear Fusion</i> , 2004 , 44, 290-295	3.3	51
274	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. <i>Nuclear Fusion</i> , 2004 , 44, 217-225	3.3	51
273	Overview of LHD experiments. <i>Nuclear Fusion</i> , 2001 , 41, 1355-1367	3.3	50
272	Confinement physics study in a small low aspect ratio helical device: CHS. <i>Nuclear Fusion</i> , 1999 , 39, 1337-1350	3.3	49
271	Island dynamics in the large-helical-device plasmas. <i>Physical Review Letters</i> , 2002 , 88, 055005	7.4	48
270	Escaping fast ion diagnostics in compact helical system heliotron/torsatron. <i>Review of Scientific Instruments</i> , 1999 , 70, 827-830	1.7	48
269	Development of net-current free heliotron plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2009 , 49, 104015	3.3	46
268	A global simulation study of ICRF heating in the LHD. <i>Nuclear Fusion</i> , 2006 , 46, S425-S432	3.3	45

267	Neutron Diagnostics in the Large Helical Device. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2050-2058	3	44
266	Extended steady-state and high-beta regimes of net-current free heliotron plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2007 , 47, S668-S676	3-3	43
265	MHD characteristics in the high beta regime of the Large Helical Device. <i>Nuclear Fusion</i> , 2001 , 41, 1177-1183	3-3	42
264	H-mode confinement of Heliotron J. <i>Nuclear Fusion</i> , 2005 , 45, 1557-1570	3-3	41
263	Physics and engineering design of the low aspect ratio quasi-axisymmetric stellarator CHS-qa. <i>Nuclear Fusion</i> , 2001 , 41, 1865-1871	3-3	41
262	Characteristics of transport in electron internal transport barriers and in the vicinity of rational surfaces in the Large Helical Device. <i>Physics of Plasmas</i> , 2004 , 11, 2551-2557	2-1	40
261	Fusion neutron production with deuterium neutral beam injection and enhancement of energetic-particle physics study in the large helical device. <i>Nuclear Fusion</i> , 2018 , 58, 082004	3-3	38
260	Common Features of Core Electron-Root Confinement in Helical Devices. <i>Fusion Science and Technology</i> , 2006 , 50, 327-342	1-1	38
259	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. <i>Nuclear Fusion</i> , 2003 , 43, 749-755	3-3	38
258	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. <i>Nuclear Fusion</i> , 2005 , 45, 326-336	3-3	38
257	Ion and electron heating in ICRF heating experiments on LHD. <i>Nuclear Fusion</i> , 2001 , 41, 1021-1035	3-3	38
256	Ion heating and high-energy-particle production by ion-cyclotron heating in the large helical device. <i>Physical Review Letters</i> , 2000 , 85, 4530-3	7-4	38
255	Observation of reversed-shear Alfvén eigenmodes excited by energetic ions in a helical plasma. <i>Physical Review Letters</i> , 2010 , 105, 145003	7-4	37
254	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. <i>Nuclear Fusion</i> , 2011 , 51, 083022	3-3	37
253	Overview of confinement and MHD stability in the Large Helical Device. <i>Nuclear Fusion</i> , 2005 , 45, S255-S265	3-3	36
252	Ion cyclotron range of frequency heating experiments on the large helical device and high energy ion behavior. <i>Physics of Plasmas</i> , 2001 , 8, 2139-2147	2-1	36
251	Integrated discharge scenario for high-temperature helical plasma in LHD. <i>Nuclear Fusion</i> , 2015 , 55, 113020	3-3	35
250	Studies of fast-ion transport induced by energetic particle modes using fast-particle diagnostics with high time resolution in CHS. <i>Nuclear Fusion</i> , 2006 , 46, S918-S925	3-3	34

249	Energetic ion confinement studies using comprehensive neutron diagnostics in the Large Helical Device. <i>Nuclear Fusion</i> , 2019 , 59, 076017	3-3	33
248	Density limit study focusing on the edge plasma parameters in LHD. <i>Nuclear Fusion</i> , 2008 , 48, 015003	3-3	33
247	In situ calibration of neutral beam port-through power and estimation of neutral beam deposition on LHD. <i>Review of Scientific Instruments</i> , 2001 , 72, 590-593	1-7	33
246	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2013 , 53, 104015	3-3	32
245	Physical model assessment of the energy confinement time scaling in stellarators. <i>Nuclear Fusion</i> , 2007 , 47, 1265-1273	3-3	32
244	Plasma performance and impurity behaviour in long pulse discharges on LHD. <i>Nuclear Fusion</i> , 2003 , 43, 219-227	3-3	32
243	Effect of Neoclassical Transport Optimization on Energetic Ion Confinement in LHD. <i>Fusion Science and Technology</i> , 2004 , 46, 241-247	1-1	32
242	Inter-machine validation study of neoclassical transport modelling in medium- to high-density stellarator-heliotron plasmas. <i>Nuclear Fusion</i> , 2013 , 53, 063022	3-3	31
241	Increased understanding of neoclassical internal transport barriers in CHS. <i>Nuclear Fusion</i> , 2004 , 44, 342-349	3-3	31
240	Turbulence Response in the High Ti Discharge of the LHD. <i>Plasma and Fusion Research</i> , 2010 , 5, S2053-S2053	2-5	31
239	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. <i>Nuclear Fusion</i> , 2010 , 50, 064007	3-3	30
238	Steady-state operation and high energy particle production of MeV energy in the Large Helical Device. <i>Nuclear Fusion</i> , 2007 , 47, 1250-1257	3-3	30
237	Energetic ion driven Alfvén eigenmodes in Large Helical Device plasmas with three-dimensional magnetic structure and their impact on energetic ion transport. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, S1-S13	2	30
236	Observation of helicity-induced Alfvén eigenmodes in large-helical-device plasmas heated by neutral-beam injection. <i>Physical Review Letters</i> , 2003 , 91, 245001	7-4	30
235	Charge exchange neutral particle analysis with natural diamond detectors on LHD heliotron. <i>Review of Scientific Instruments</i> , 2001 , 72, 611-614	1-7	30
234	Strong electron heating in CHS ICRF heating experiments. <i>Nuclear Fusion</i> , 1997 , 37, 53-68	3-3	28
233	Current Status of Large Helical Device and Its Prospect for Deuterium Experiment. <i>Fusion Science and Technology</i> , 2017 , 1-12	1-1	27
232	Extension of high Te regime with upgraded electron cyclotron resonance heating system in the Large Helical Device. <i>Physics of Plasmas</i> , 2014 , 21, 061506	2-1	27

231	Fast ion charge exchange spectroscopy measurement using a radially injected neutral beam on the large helical device. <i>Review of Scientific Instruments</i> , 2008 , 79, 10E519	1.7	27
230	Experiments on NBI plasmas in LHD. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, B157-B166	2	27
229	Plasma confinement studies in LHD. <i>Nuclear Fusion</i> , 1999 , 39, 1659-1666	3.3	27
228	Extension and characteristics of an ECRH plasma in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, A81-A90	2	26
227	Realization of high T _i plasmas and confinement characteristics of ITB plasmas in the LHD deuterium experiments. <i>Nuclear Fusion</i> , 2018 , 58, 106028	3.3	26
226	The performance of ICRF heated plasmas in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 325-332	3.3	25
225	Extension of the operational regime in high-temperature plasmas and the dynamic-transport characteristics in the LHD. <i>Nuclear Fusion</i> , 2013 , 53, 073034	3.3	24
224	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 99-100		24
223	Extended capability of the integrated transport analysis suite, TASK3D-a, for LHD experiment. <i>Nuclear Fusion</i> , 2017 , 57, 126016	3.3	23
222	Ion cyclotron range of frequencies heating and high-energy particle production in the Large Helical Device. <i>Nuclear Fusion</i> , 2003 , 43, 738-743	3.3	23
221	Monte Carlo simulation study of ICRF minority heating in the Large Helical Device. <i>Nuclear Fusion</i> , 1994 , 34, 913-925	3.3	23
220	Overview of the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2000 , 42, 1165-1177	2	21
219	High-temperature mechanical properties of hot-pressed TiN with fine grain size. <i>Journal of Materials Science</i> , 1998 , 33, 2047-2052	4.3	20
218	Particle Transport of LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 70-90	1.1	19
217	Comparison of electron internal transport barriers in the large helical device and JT-60U plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, A45-A50	2	19
216	High-ion temperature experiments with negative-ion-based neutral beam injection heating in Large Helical Device. <i>Nuclear Fusion</i> , 2005 , 45, 565-573	3.3	19
215	Microinstability studies for the large helical device. <i>Nuclear Fusion</i> , 2002 , 42, 1047-1054	3.3	19
214	Overview of long pulse operation in the Large Helical Device. <i>Nuclear Fusion</i> , 2000 , 40, 1157-1166	3.3	19

213	Upgrades and application of FIT3D NBI plasma interaction code in view of LHD deuterium campaigns. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 125008	2	18
212	Fast-Particle Diagnostics on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 426-435	1.1	18
211	Construction of Neoclassical Transport Database for Large Helical Device Plasma Applying Neural Network Method. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 1157-1167	1.4	18
210	Spatially resolved measurements of energetic neutral particle distributions in the Large Helical Device. <i>Review of Scientific Instruments</i> , 2003 , 74, 1873-1877	1.7	18
209	Experimental study on ion temperature behaviours in ECH, ICRF and NBI H ₂ , He and Ne discharges of the Large Helical Device. <i>Nuclear Fusion</i> , 2003 , 43, 899-909	3.3	17
208	Temperature dependence of the thermal diffusivity in high-collisionality regimes in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, 801-813	2	17
207	Experimental investigation of the ripple induced losses of perpendicularly injected beam ions in the low aspect ratio helical system CHS. <i>Nuclear Fusion</i> , 2001 , 41, 1273-1281	3.3	17
206	The first ICRF heating experiment in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2000 , 42, 265-274	2	17
205	Isotope Effect on Energy Confinement Time and Thermal Transport in Neutral-Beam-Heated Stellarator-Heliotron Plasmas. <i>Physical Review Letters</i> , 2019 , 123, 185001	7.4	16
204	Impact of carbon impurities on the confinement of high-ion-temperature discharges in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 095011	2	16
203	Self-sustained detachment in the Large Helical Device. <i>Nuclear Fusion</i> , 2006 , 46, 532-540	3.3	16
202	Observation of pellet ablation behaviour on the large helical device. <i>Nuclear Fusion</i> , 2004 , 44, 624-630	3.3	16
201	Configuration Effect on Energy Confinement and Local Transport in LHD and Contribution to the International Stellarator Database. <i>Fusion Science and Technology</i> , 2004 , 46, 82-90	1.1	16
200	Role of core radiation during slow oscillations in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 519-525	3.3	16
199	Experimental studies towards long pulse steady state operation in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 779-793	3.3	16
198	Improved plasma performance on Large Helical Device. <i>Physics of Plasmas</i> , 2001 , 8, 2002-2008	2.1	16
197	Study of acceleration and confinement of high-energy protons during ICRF and NBI heating in LHD using a natural diamond detector. <i>Nuclear Fusion</i> , 2002 , 42, 759-767	3.3	16
196	Effect of energetic ion loss on ICRF heating efficiency and energy confinement time in heliotrons. <i>Nuclear Fusion</i> , 1999 , 39, 1165-1173	3.3	16

195	Extension of operational regime in high-temperature plasmas and effect of ECRH on ion thermal transport in the LHD. <i>Nuclear Fusion</i> , 2017 , 57, 086029	3.3	15
194	Fast-Ion Confinement Studies on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 131-140	1.1	15
193	Overview of Progress in LHD Experiments. <i>Fusion Science and Technology</i> , 2006 , 50, 136-145	1.1	15
192	Time-resolved triton burnup measurement using the scintillating fiber detector in the Large Helical Device. <i>Nuclear Fusion</i> , 2018 , 58, 034002	3.3	14
191	Development of Integrated Transport Analysis Suite for LHD Plasmas Towards Transport Model Validation and Increased Predictability. <i>Plasma and Fusion Research</i> , 2013 , 8, 2403016-2403016	0.5	14
190	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	2.1	14
189	A study of high-energy ions produced by ICRF heating in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, 103-119	2	14
188	Observation of flow reversal in plasmas with a neoclassical internal transport barrier in CHS. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, 361-370	2	14
187	Drift mode calculations for the Large Helical Device. <i>Physics of Plasmas</i> , 2000 , 7, 4942-4947	2.1	14
186	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	13
185	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	3.3	13
184	Characterization of edge pressure in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, A245-A251	2	13
183	High Ion Temperature Plasmas using an ICRF Wall-Conditioning Technique in the Large Helical Device. <i>Plasma and Fusion Research</i> , 2014 , 9, 1402050-1402050	0.5	12
182	Collisionality dependence and ion species effects on heat transport in He and H plasma, and the role of ion scale turbulence in LHD. <i>Nuclear Fusion</i> , 2017 , 57, 116005	3.3	12
181	Physics analyses on the core plasma properties in the helical fusion DEMO reactor FFHR-d1. <i>Nuclear Fusion</i> , 2014 , 54, 043010	3.3	12
180	Neoclassical electron transport calculation by using β Monte Carlo method. <i>Physics of Plasmas</i> , 2011 , 18, 032511	2.1	12
179	Fast ion charge exchange spectroscopy adapted for tangential viewing geometry in LHD. <i>Review of Scientific Instruments</i> , 2010 , 81, 10D327	1.7	12
178	Formularization of the confinement enhancement factor as a function of the heating profile for FFHR-d1 core plasma design. <i>Nuclear Fusion</i> , 2012 , 52, 123007	3.3	12

177	Recent results from the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2003 , 45, 671-686	2	12
176	Impurity transport model for the normal confinement and high density H-mode discharges in Wendelstein 7-AS. <i>Plasma Physics and Controlled Fusion</i> , 2003 , 45, 1931-1938	2	12
175	Sawtooth oscillation in current-carrying plasma in the large helical device. <i>Physical Review Letters</i> , 2003 , 90, 205001	7.4	12
174	Vector Implementation of Nonlinear Monte Carlo Coulomb Collisions. <i>Journal of Computational Physics</i> , 1996 , 128, 209-222	4.1	12
173	Effect of Rotational Transform and Magnetic Shear on Confinement of Stellarators. <i>Plasma and Fusion Research</i> , 2008 , 3, S1004-S1004	0.5	12
172	Initial results from solenoid-free plasma start-up using Transient CHI on QUEST. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 115001	2	12
171	Assessment of Global Stellarator Confinement: Status of the International Stellarator Confinement Database. <i>Fusion Science and Technology</i> , 2007 , 51, 1-7	1.1	11
170	Effect of Magnetic Configuration on Particle Transport and Density Fluctuation in LHD. <i>Fusion Science and Technology</i> , 2007 , 51, 97-111	1.1	11
169	Electron ITB Formation with Combination of NBI and ECH in LHD. <i>Fusion Science and Technology</i> , 2004 , 46, 106-114	1.1	11
168	Electron cyclotron heating scenario and experimental results in LHD. <i>Fusion Engineering and Design</i> , 2001 , 53, 329-336	1.7	11
167	Derivation of energy confinement time and ICRF absorption in LHD by power modulation. <i>Plasma Physics and Controlled Fusion</i> , 2001 , 43, 1191-1210	2	11
166	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). <i>Physics of Plasmas</i> , 2000 , 7, 1802-1808	2.1	11
165	Electron Pressure Profiles in High-Density Neutral Beam Heated Plasmas in the Large Helical Device. <i>Journal of Plasma and Fusion Research</i> , 2005 , 81, 302-311		11
164	Configuration Effects on Local Transport in High-Beta LHD Plasmas. <i>Plasma and Fusion Research</i> , 2008 , 3, 022-022	0.5	11
163	Study of Neoclassical Transport in LHD Plasmas by Applying the DCOM/NNW Neoclassical Transport Database. <i>Plasma and Fusion Research</i> , 2008 , 3, S1030-S1030	0.5	11
162	Effect of Halo Neutrals on Fast-Ion Charge Exchange Spectroscopy Measurements in LHD. <i>Plasma and Fusion Research</i> , 2010 , 5, S2099-S2099	0.5	11
161	Effect of the RF wall conditioning on the high performance plasmas in the Large Helical Device. <i>Journal of Nuclear Materials</i> , 2015 , 463, 1100-1103	3.3	10
160	Study of particle confinement in an LHD-type heliotron reactor. <i>Nuclear Fusion</i> , 2013 , 53, 093030	3.3	10

159	Development of 6-MeV Heavy Ion Beam Probe on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 436-444.	1.1	10
158	Effect of Neoclassical Transport Optimization on Electron Heat Transport in Low-Collisionality LHD Plasmas. <i>Fusion Science and Technology</i> , 2007 , 51, 112-121	1.1	10
157	Study of ripple-trapped proton behaviour in LHD by two line-of-sight measurements of fast neutrals. <i>Nuclear Fusion</i> , 2004 , 44, 488-495	3.3	10
156	A Description of a D-3He Fusion Reactor Based on a Dipole Magnetic Field. <i>Fusion Science and Technology</i> , 1992 , 22, 27-34		10
155	Nonadiabatic behavior of the magnetic moment of a charged particle in a dipole magnetic field. <i>Physics of Fluids B</i> , 1990 , 2, 715-724		10
154	Evaluation of Neutron Emission Rate with FIT3D-DD Code in Large Helical Device. <i>Plasma and Fusion Research</i> , 2019 , 14, 3402126-3402126	0.5	10
153	Development of Integrated Transport Code, TASK3D, and Its Applications to LHD Experiment. <i>Plasma and Fusion Research</i> , 2012 , 7, 2403011-2403011	0.5	10
152	Particle balance investigation with the combination of the hydrogen barrier model and rate equations of hydrogen state in long duration discharges on an all-metal plasma facing wall in QUEST. <i>Nuclear Fusion</i> , 2019 , 59, 076007	3.3	9
151	Simulation study of NBI heating in the time-evolving and multi-ion-species plasmas of LHD. <i>Nuclear Fusion</i> , 2016 , 56, 026003	3.3	9
150	Time dependent neutron emission rate analysis for neutral-beam-heated deuterium plasmas in a helical system and tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 095010	2	9
149	Simulation Study of Energetic Triton Confinement in the D-D Experiment on LHD. <i>Plasma and Fusion Research</i> , 2015 , 10, 3403050-3403050	0.5	9
148	Integrated transport simulations of high ion temperature plasmas of LHD. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 054009	2	9
147	3-D effects on viscosity and generation of toroidal and poloidal flows in LHD. <i>Physics of Plasmas</i> , 2013 , 20, 056116	2.1	9
146	A convergence study for the Laguerre expansion in the moment equation method for neoclassical transport in general toroidal plasmas. <i>Physics of Plasmas</i> , 2010 , 17, 082510	2.1	9
145	Density fluctuation measurements using beam emission spectroscopy on Heliotron J. <i>Review of Scientific Instruments</i> , 2012 , 83, 10D535	1.7	9
144	Orbital aspects of reachable beta value in NBI heated heliotron/torsatrons. <i>Nuclear Fusion</i> , 1996 , 36, 359-365	3.3	9
143	Electrostatic Potential Measurement by Using 6-MeV Heavy Ion Beam Probe on LHD. <i>Plasma and Fusion Research</i> , 2008 , 3, 031-031	0.5	9
142	Transport Analysis of High-Beta Plasmas on LHD. <i>Fusion Science and Technology</i> , 2007 , 51, 129-137	1.1	9

141	Review on the Progress of the LHD Experiment. <i>Fusion Science and Technology</i> , 2004 , 46, 1-12	1.1	9
140	Observations of edge radial electric field transition in LHD plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, 1021-1025	2	9
139	Development of a Hierarchy-Integrated Simulation Code for Toroidal Helical Plasmas, TASK3D. <i>Plasma and Fusion Research</i> , 2008 , 3, S1063-S1063	0.5	9
138	Transport Study of LHD High-Beta Plasmas Based on Power Balance Analysis with TASK3D Code Module. <i>Plasma and Fusion Research</i> , 2011 , 6, 2402081-2402081	0.5	9
137	Carbon impurities behavior and its impact on ion thermal confinement in high-ion-temperature deuterium discharges on the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 074005		9
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