

Sadayoshi Murakami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

302
papers

5,858
citations

40
h-index

61
g-index

317
ext. papers

6,217
ext. citations

2.2
avg, IF

4.39
L-index

#	Paper	IF	Citations
302	ASTI: Data assimilation system for particle and heat transport in toroidal plasmas. <i>Computer Physics Communications</i> , 2022 , 274, 108287	4.2	0
301	Development of Rapid Simulation Code for NBI Heating Analysis in LHD. <i>Journal of Fusion Energy</i> , 2022 , 41, 1	1.6	1
300	Observation of significant Doppler shift in deuterium-deuterium neutron energy caused by neutral beam injection in the large helical device. <i>AAPPS Bulletin</i> , 2022 , 32, 1		1
299	Analysis of NB Fast-Ion Loss Mechanisms in MHD Quiescent LHD Plasmas. <i>Plasma and Fusion Research</i> , 2021 , 16, 2402052-2402052	0.5	0
298	Initial Results from High-Field-Side Transient CHI Start-Up on QUEST. <i>Plasma and Fusion Research</i> , 2021 , 16, 2402048-2402048	0.5	1
297	Overview of recent progress on steady state operation of all-metal plasma facing wall device QUEST. <i>Nuclear Materials and Energy</i> , 2021 , 27, 101013	2.1	0
296	Isotope effects on transport in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 094001	2	0
295	Application of the Ensemble Kalman Smoother to Turbulent Transport Analysis in LHD Plasma. <i>Plasma and Fusion Research</i> , 2021 , 16, 2403016-2403016	0.5	1
294	Magnetic Configuration and Heating Location Dependences of Toroidal Torques by Electron Cyclotron Heating in LHD. <i>Plasma and Fusion Research</i> , 2021 , 16, 2403043-2403043	0.5	
293	Time-resolved secondary triton burnup 14 MeV neutron measurement by a new scintillating fiber detector in middle total neutron emission ranges in deuterium large helical device plasma experiments. <i>AAPPS Bulletin</i> , 2021 , 31, 1		2
292	A study of beam ion and deuterium-deuterium fusion-born triton transports due to energetic particle-driven magnetohydrodynamic instability in the large helical device deuterium plasmas. <i>Nuclear Fusion</i> , 2021 , 61, 096035	3.3	2
291	Observation of second harmonic electron cyclotron resonance heating and current-drive transition during non-inductive plasma start-up experiment in QUEST. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 105002	2	0
290	Effects of electron cyclotron heating on the toroidal flow in LHD plasmas. <i>Physics of Plasmas</i> , 2021 , 28, 102501	2.1	0
289	Neutron energy spectrum measurement using CLYC7-based compact neutron emission spectrometer in the Large Helical Device. <i>Journal of Instrumentation</i> , 2021 , 16, C12025	1	3
288	Data assimilation system based on integrated transport simulation of Large Helical Device plasma. <i>Nuclear Fusion</i> , 2020 , 60, 056001	3.3	4
287	Effect of the Pfirsch-Schlüter flow on the inboard/outboard asymmetry of the toroidal flow in LHD. <i>Physics of Plasmas</i> , 2020 , 27, 042514	2.1	1
286	Parametric Decay Wave Observation in HFS X-Mode Injection in QUEST. <i>Plasma and Fusion Research</i> , 2020 , 15, 2402063-2402063	0.5	1

285	Electron heating of over-dense plasma with dual-frequency electron cyclotron waves in fully non-inductive plasma ramp-up on the QUEST spherical tokamak. <i>Nuclear Fusion</i> , 2020 , 60, 016030	3.3	8
284	Measurements of radial profile of hydrogen and deuterium density in isotope mixture plasmas using bulk charge exchange spectroscopy. <i>Review of Scientific Instruments</i> , 2019 , 90, 093503	1.7	7
283	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
282	Estimation of fuel particle balance in steady state operation with hydrogen barrier model. <i>Nuclear Materials and Energy</i> , 2019 , 19, 544-549	2.1	4
281	28-GHz ECHCD system with beam focusing launcher on the QUEST spherical tokamak. <i>Fusion Engineering and Design</i> , 2019 , 146, 1149-1152	1.7	7
280	The isotope effect on impurities and bulk ion particle transport in the Large Helical Device. <i>Nuclear Fusion</i> , 2019 , 59, 056029	3.3	8
279	Asymmetry of parallel flow on the Large Helical Device. <i>Nuclear Fusion</i> , 2019 , 59, 106036	3.3	2
278	Energetic ion confinement studies using comprehensive neutron diagnostics in the Large Helical Device. <i>Nuclear Fusion</i> , 2019 , 59, 076017	3.3	33
277	Feasibility Study of Neutral Beam Injection on Chinese First Quasi-Axisymmetric Stellarator (CFQS). <i>Plasma and Fusion Research</i> , 2019 , 14, 3402067-3402067	0.5	2
276	Transport characteristics of deuterium and hydrogen plasmas with ion internal transport barrier in the Large Helical Device. <i>Nuclear Fusion</i> , 2019 , 59, 106002	3.3	7
275	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
274	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
273	Estimation of the $j \times B$ Force Produced by Electron Cyclotron Heating in HSX Plasma. <i>Plasma and Fusion Research</i> , 2019 , 14, 3403105-3403105	0.5	2
272	Simulation Study of Neutral Beam Injection Heating in the HSX Plasma. <i>Plasma and Fusion Research</i> , 2019 , 14, 3403152-3403152	0.5	1
271	Study of first orbit losses of 1 MeV tritons using the Lorentz orbit code in the LHD. <i>Plasma Science and Technology</i> , 2019 , 21, 025102	1.5	7
270	Role of Helium-Hydrogen ratio on energetic interchange mode behaviour and its effect on ion temperature and micro-turbulence in LHD. <i>Nuclear Fusion</i> , 2018 , 58, 046013	3.3	2
269	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
268	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

267	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
266	Neutron Diagnostics in the Large Helical Device. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2050-2058	3	44
265	Fast Ion Confinement Study by Neutron Emission Rate Measurement after Short Pulse NB Injection in the Large Helical Device. <i>Plasma and Fusion Research</i> , 2018 , 13, 3402024-3402024	0.5	6
264	Initial Results of Triton Burnup Study in the Large Helical Device. <i>Plasma and Fusion Research</i> , 2018 , 13, 3402121-3402121	0.5	5
263	Electrostatic potential generated by perpendicular neutral-beam injection to a tokamak plasma. <i>Nuclear Fusion</i> , 2018 , 58, 016029	3.3	1
262	Initial Results of Neutron Emission Profile Measurements in LHD Deuterium Plasmas. <i>Plasma and Fusion Research</i> , 2018 , 13, 3402122-3402122	0.5	3
261	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
260	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
259	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	2	9
258	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
257	Extension of the operational regime of the LHD towards a deuterium experiment. <i>Nuclear Fusion</i> , 2017 , 57, 102023	3.3	84
256	Current Status of Large Helical Device and Its Prospect for Deuterium Experiment. <i>Fusion Science and Technology</i> , 2017 , 1-12	1.1	27
255	Effect of Rotational Transform on Thermal Transport in Stellarator Heliotron Plasmas on LHD. <i>Journal of Fusion Energy</i> , 2017 , 36, 197-203	1.6	1
254	Extended capability of the integrated transport analysis suite, TASK3D-a, for LHD experiment. <i>Nuclear Fusion</i> , 2017 , 57, 126016	3.3	23
253	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
252	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
251	NBI Beam Ion Distributions in the Presence of Magnetic Islands in Helical Plasmas. <i>Plasma and Fusion Research</i> , 2016 , 11, 2403094-2403094	0.5	2
250	Estimations of Beam-Beam Fusion Reaction Rates in the Deuterium Plasma Experiment on LHD. <i>Plasma and Fusion Research</i> , 2016 , 11, 2403109-2403109	0.5	2

249	Comparison of Ion Internal Transport Barrier Formation between Hydrogen and Helium Dominated Plasmas. <i>Plasma and Fusion Research</i> , 2016 , 11, 2402106-2402106	0.5	4
248	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
247	Study of toroidal flow generation by ion cyclotron range of frequency minority heating in the Alcator C-Mod plasma. <i>Physics of Plasmas</i> , 2016 , 23, 012501	2.1	6
246	Overview of transport and MHD stability study: focusing on the impact of magnetic field topology in the Large Helical Device. <i>Nuclear Fusion</i> , 2015 , 55, 104018	3.3	7
245	Simulation Study of Toroidal Flow Generation of Minority Ions by Local ICRF Heating. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 123501	1.5	1
244	Development of the Heating Scenarios to Achieve High-Ion Temperature Plasma in the Large Helical Device. <i>Plasma and Fusion Research</i> , 2015 , 10, 1402001-1402001	0.5	7
243	Integrated Particle Transport Simulation of NBI Plasmas in LHD. <i>Plasma and Fusion Research</i> , 2015 , 10, 3403048-3403048	0.5	1
242	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
241	Integrated discharge scenario for high-temperature helical plasma in LHD. <i>Nuclear Fusion</i> , 2015 , 55, 113020	0.5	35
240	Development of Momentum Conserving Monte Carlo Simulation Code for ECCD Study in Helical Plasmas. <i>EPJ Web of Conferences</i> , 2015 , 87, 01010	0.3	
239	Integrated transport simulations of high ion temperature plasmas of LHD. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 054009	2	9
238	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
237	Integrated Transport Simulation of Time-Evolving LHD Plasma Using GNET-TD and TASK3D 2014 ,		1
236	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
235	Integration of Large-Scale Simulations and Numerical Modelling Tools in Close Link with the LHD Experiment. <i>Plasma and Fusion Research</i> , 2014 , 9, 3402017-3402017	0.5	3
234	Integrated Heat Transport Simulation of Multi-Ion-Species Plasma in LHD. <i>Plasma and Fusion Research</i> , 2014 , 9, 3403124-3403124	0.5	3
233	Effect of Impurity Ions on NBI Heating in LHD Plasmas. <i>Plasma and Fusion Research</i> , 2014 , 9, 3403127-3403127	0.5	5
232	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

231	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
230	Extension of high Te regime with upgraded ECRH system in the LHD 2014 ,		2
229	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
228	A study about optimum stator pole design of Axial-gap switched reluctance motor 2014 ,		5
227	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. <i>Nuclear Fusion</i> , 2013 , 53, 126001	3.3	59
226	3-D effects on viscosity and generation of toroidal and poloidal flows in LHDA). <i>Physics of Plasmas</i> , 2013 , 20, 056116	2.1	9
225	Effect of magnetic field configuration on parallel plasma flow during neutral beam injection in Heliotron J. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 035012	2	2
224	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
223	Study of particle confinement in an LHD-type heliotron reactor. <i>Nuclear Fusion</i> , 2013 , 53, 093030	3.3	10
222	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
221	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
220	Simulation Study of ECCD by GNET with Momentum Conserving Collisional Operator. <i>Plasma and Fusion Research</i> , 2013 , 8, 2403083-2403083	0.5	2
219	Development of Transport Model in Reactor Plasmas based on LHD Experiment Scaling. <i>Plasma and Fusion Research</i> , 2013 , 8, 2403089-2403089	0.5	
218	Development of a Nonlinear Collision Operator for GNET Code. <i>Plasma and Fusion Research</i> , 2013 , 8, 2403106-2403106	0.5	
217	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
216	NBI Heating Analysis of Time-Development Plasma in LHD. <i>Plasma and Fusion Research</i> , 2013 , 8, 2403099-2403099		
215	Formation of Electron-Root Radial Electric Field and its Effect on Thermal Transport in LHD High Te Plasma. <i>Plasma and Fusion Research</i> , 2013 , 8, 1403039-1403039	0.5	2
214	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

213	Density fluctuation measurements using beam emission spectroscopy on Heliotron J. <i>Review of Scientific Instruments</i> , 2012 , 83, 10D535	1.7	9
212	Measurement of Ion Temperature and Toroidal Rotation Velocity Using Charge Exchange Recombination Spectroscopy in Heliotron J. <i>Plasma and Fusion Research</i> , 2012 , 7, 1402019-1402019	0.5	5
211	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
210	Nonlinear Collision Effect on $\bar{\nu}$ Particle Confinement in Toroidal Plasmas. <i>Green Energy and Technology</i> , 2012 , 261-266	0.6	
209	Neoclassical electron transport calculation by using $\bar{\nu}$ Monte Carlo method. <i>Physics of Plasmas</i> , 2011 , 18, 032511	2.1	12
208	Simulation Study of ECCD in Helical Plasmas. <i>Plasma and Fusion Research</i> , 2011 , 6, 2403139-2403139	0.5	1
207	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
206	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
205	Neoclassical transport simulations for stellarators. <i>Physics of Plasmas</i> , 2011 , 18, 022505	2.1	76
204	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
203	Study of $\bar{\nu}$ Particle Confinement in Helical Type Reactor by GNET Code. <i>Green Energy and Technology</i> , 2011 , 245-251	0.6	1
202	Evaluation of Monte Carlo Calculation Accuracy for $\bar{\nu}$ Particle Confinement Analysis in Heliotron Reactors. <i>Plasma and Fusion Research</i> , 2011 , 6, 2403129-2403129	0.5	
201	Study of Radial Diffusion of Energetic Ions by High-m Magnetic Perturbations Using DCOM Code. <i>Plasma and Fusion Research</i> , 2011 , 6, 2403143-2403143	0.5	
200	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
199	Fast ion charge exchange spectroscopy adapted for tangential viewing geometry in LHD. <i>Review of Scientific Instruments</i> , 2010 , 81, 10D327	1.7	12
198	Application of beam emission spectroscopy to NBI plasmas of Heliotron J. <i>Review of Scientific Instruments</i> , 2010 , 81, 10D726	1.7	3
197	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
196	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

195	Improvement of Plasma Core Confinement Via Electron-Root Realization by Strongly Focused ECRH in LHD: Core Electron-Root Confinement. <i>Fusion Science and Technology</i> , 2010 , 58, 38-45	1.1	3
194	Fast-Particle Diagnostics on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 426-435	1.1	18
193	Development of 6-MeV Heavy Ion Beam Probe on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 436-444	1.1	10
192	Numerical Analyses of Energetic Particles in LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 277-288	1.1	6
191	Role of Neoclassical Transport and Radial Electric Field in LHD Plasmas. <i>Fusion Science and Technology</i> , 2010 , 58, 269-276	1.1	5
190	Particle Transport of LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 70-90	1.1	19
189	Local Transport Property of High-Beta Plasmas on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 141-149	1.1	4
188	Characteristics of the Global Energy Confinement and Central Pressure in LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 29-37	1.1	7
187	Activities on Integrated Simulations in LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 289-296	1.1	
186	ICRF Heating and Ion Tail Formation in LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 515-523	1.1	8
185	Ion Heating Experiments and Improvement of Ion Heat Transport in LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 46-52	1.1	6
184	Fast-Ion Confinement Studies on LHD. <i>Fusion Science and Technology</i> , 2010 , 58, 131-140	1.1	15
183	Fast-Ion Response to Energetic-Particle-Driven MHD Activity in Heliotron J. <i>Contributions To Plasma Physics</i> , 2010 , 50, 534-539	1.4	2
182	Development of the Neoclassical Transport Module for the Integrated Simulation Code in Helical Plasmas. <i>Contributions To Plasma Physics</i> , 2010 , 50, 582-585	1.4	7
181	Simulation Study of the MHD Stability Beta Limit in LHD by TASK3D. <i>Contributions To Plasma Physics</i> , 2010 , 50, 665-668	1.4	2
180	Optimization Study of ICRF Heating in the LHD and HSX Configurations. <i>Contributions To Plasma Physics</i> , 2010 , 50, 546-551	1.4	1
179	Physics of Heliotron J Confinement. <i>Plasma and Fusion Research</i> , 2010 , 5, S2003-S2003	0.5	2
178	Evaluation of Fast-Ion Confinement Using a Radially Injected Neutral Beam in the LHD. <i>Plasma and Fusion Research</i> , 2010 , 5, S2042-S2042	0.5	6

177	Turbulence Response in the High Ti Discharge of the LHD. <i>Plasma and Fusion Research</i> , 2010 , 5, S2053-S2053	0.5	31
176	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
175	Shape effect of the outermost flux surface on effective helical ripple and zonal flow response in anL= 2 heliotron. <i>Nuclear Fusion</i> , 2009 , 49, 045001	3.3	6
174	Development of net-current free heliotron plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2009 , 49, 104015	3.3	46
173	Density limit study focusing on the edge plasma parameters in LHD. <i>Nuclear Fusion</i> , 2008 , 48, 015003	3.3	33
172	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
171	Measurements of Micro-Turbulence in High Beta and High Density Regimes of LHD and Comparison with Resistive G-Mode Scaling. <i>Plasma and Fusion Research</i> , 2008 , 3, S1071-S1071	0.5	5
170	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
169	Web interface for plasma analysis codes. <i>Fusion Engineering and Design</i> , 2008 , 83, 453-457	1.7	4
168	Configuration Effects on Local Transport in High-Beta LHD Plasmas. <i>Plasma and Fusion Research</i> , 2008 , 3, 022-022	0.5	11
167	Effect of Rotational Transform and Magnetic Shear on Confinement of Stellarators. <i>Plasma and Fusion Research</i> , 2008 , 3, S1004-S1004	0.5	12
166	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
165	Effect of Ellipticity on Thermal Transport in ECH Plasmas in LHD. <i>Plasma and Fusion Research</i> , 2008 , 3, S1032-S1032	0.5	3
164	Neoclassical Transport Properties in High-Ion-Temperature Hydrogen Plasmas in the Large Helical Device (LHD). <i>Plasma and Fusion Research</i> , 2008 , 3, S1056-S1056	0.5	5
163	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
162	Particle Transport and Fluctuation Characteristics around the Neoclassically Optimized Configuration in LHD. <i>Plasma and Fusion Research</i> , 2008 , 3, S1069-S1069	0.5	1
161	Simulation Study of ICRF Wave Propagation and Absorption in 3-D Magnetic Configurations. <i>Plasma and Fusion Research</i> , 2008 , 3, S1075-S1075	0.5	3
160	Discriminating Acquisition of 15-MeV Protons from D-3He Fusion Reaction in LHD. <i>Plasma and Fusion Research</i> , 2008 , 3, 058-058	0.5	0

159	Study on Poloidal and Toroidal Electric Field Generations by Electron Cyclotron Heating in a Helical Plasma. <i>Plasma and Fusion Research</i> , 2008 , 3, S1079-S1079	0.5	
158	Physical model assessment of the energy confinement time scaling in stellarators. <i>Nuclear Fusion</i> , 2007 , 47, 1265-1273	3.3	32
157	Stellarator Impurity STRAHL Code Development in NIFS. <i>Plasma and Fusion Research</i> , 2007 , 2, S1132-S1132		1
156	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
155	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
154	Core electron-root confinement (CERC) in helical plasmas. <i>Nuclear Fusion</i> , 2007 , 47, 1213-1219	3.3	91
153	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
152	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
151	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
150	Transport Analysis of High-Beta Plasmas on LHD. <i>Fusion Science and Technology</i> , 2007 , 51, 129-137	1.1	9
149	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
148	Development of Web Interfaces for Analysis Codes. <i>Plasma and Fusion Research</i> , 2007 , 2, S1130-S1130	0.5	1
147	Impurity Transport Studies on LHD. <i>Plasma and Fusion Research</i> , 2007 , 2, S1131-S1131	0.5	2
146	Self-sustained detachment in the Large Helical Device. <i>Nuclear Fusion</i> , 2006 , 46, 532-540	3.3	16
145	Global confinement scaling for high-density plasmas in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2006 , 48, 325-337	2	8
144	A global simulation study of ICRF heating in the LHD. <i>Nuclear Fusion</i> , 2006 , 46, S425-S432	3.3	45
143	Experimental study of particle transport and density fluctuations in LHD. <i>Nuclear Fusion</i> , 2006 , 46, 110-123	3.3	58
142	Horizontal, vertical, and radial high-energy particle distribution measurement system in Large Helical Device. <i>Review of Scientific Instruments</i> , 2006 , 77, 10E917	1.7	7

141	Fast Ion Dynamics of NBI Plasmas in Heliotron J. <i>Fusion Science and Technology</i> , 2006 , 50, 428-433	1.1	4
140	Overview of Progress in LHD Experiments. <i>Fusion Science and Technology</i> , 2006 , 50, 136-145	1.1	15
139	Reheat Mode Discharges in Search of Attainable High Stored Energy and Density Limit of Compact Helical System. <i>Fusion Science and Technology</i> , 2006 , 50, 229-235	1.1	6
138	Development of Integrated Simulation System for Helical Plasmas. <i>Fusion Science and Technology</i> , 2006 , 50, 457-463	1.1	5
137	Common Features of Core Electron-Root Confinement in Helical Devices. <i>Fusion Science and Technology</i> , 2006 , 50, 327-342	1.1	38
136	Simulational study on losses of neutral beam-injected energetic ions via collisional ripple transport in the low aspect ratio helical system CHS. <i>Journal of Plasma Physics</i> , 2006 , 72, 1189	2.7	
135	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
134	Density Regimes of Complete Detachment and Serpens Mode in LHD. <i>Plasma and Fusion Research</i> , 2006 , 1, 026-026	0.5	6
133	H-mode confinement of Heliotron J. <i>Nuclear Fusion</i> , 2005 , 45, 1557-1570	3.3	41
132	Extension and characteristics of an ECRH plasma in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, A81-A90	2	26
131	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
130	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
129	Effects of global MHD instability on operational high beta-regime in LHD. <i>Nuclear Fusion</i> , 2005 , 45, 1247-1254	3.3	78
128	Overview of confinement and MHD stability in the Large Helical Device. <i>Nuclear Fusion</i> , 2005 , 45, S255-S265	3.3	36
127	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. <i>Nuclear Fusion</i> , 2005 , 45, 326-336	3.3	38
126	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
125	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
124	Review on the Progress of the LHD Experiment. <i>Fusion Science and Technology</i> , 2004 , 46, 1-12	1.1	9

123	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
122	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
121	Confinement characteristics of the quasi-axisymmetric stellarator CHS-qa. <i>Nuclear Fusion</i> , 2004 , 44, 575-581	3.3	8
120	Observation of pellet ablation behaviour on the large helical device. <i>Nuclear Fusion</i> , 2004 , 44, 624-630	3.3	16
119	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
118	Observations of edge radial electric field transition in LHD plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, 1021-1025	2	9
117	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
116	Formation of neoclassical internal transport barriers under various operational regimes on compact helical system. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, A285-A290	2	1
115	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
114	Evaluation of energetic particle confinement using CXNPA with NB-blip experiments on Large Helical Device. <i>Review of Scientific Instruments</i> , 2004 , 75, 3601-3603	1.7	4
113	Characteristics of sawtooth oscillations observed in the compact helical system. <i>Physics of Plasmas</i> , 2004 , 11, 1537-1544	2.1	7
112	Increased understanding of neoclassical internal transport barriers in CHS. <i>Nuclear Fusion</i> , 2004 , 44, 342-349	3.3	31
111	Two-dimensional scanning high-energy particle diagnostic system in Large Helical Device. <i>Review of Scientific Instruments</i> , 2004 , 75, 3604-3606	1.7	1
110	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. <i>Nuclear Fusion</i> , 2004 , 44, 217-225	3.3	51
109	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
108	Long-Pulse Operation and High-Energy Particle Confinement Study in ICRF Heating of LHD. <i>Fusion Science and Technology</i> , 2004 , 46, 175-183	1.1	5
107	Effect of Neoclassical Transport Optimization on Energetic Ion Confinement in LHD. <i>Fusion Science and Technology</i> , 2004 , 46, 241-247	1.1	32
106	Difference in Electron Transport between Co- and Counter-NBI-Heated Plasmas in the Inward-Shifted Configurations on LHD. <i>Fusion Science and Technology</i> , 2004 , 46, 262-270	1.1	3

105	Electron ITB Formation with Combination of NBI and ECH in LHD. <i>Fusion Science and Technology</i> , 2004 , 46, 106-114	1.1	11
104	Energetic Particle Confinement in Helical Systems. <i>Journal of Plasma and Fusion Research</i> , 2004 , 80, 725-731		4
103	Recent advances in the LHD experiment. <i>Nuclear Fusion</i> , 2003 , 43, 1674-1683	3.3	112
102	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
101	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
100	Recent results from the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2003 , 45, 671-686	2	12
99	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
98	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
97	Plasma performance and impurity behaviour in long pulse discharges on LHD. <i>Nuclear Fusion</i> , 2003 , 43, 219-227	3.3	32
96	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
95	Spatially resolved high-energy particle diagnostic system using time-of-flight neutral particle analyzer in large helical device. <i>Review of Scientific Instruments</i> , 2003 , 74, 1878-1882	1.7	7
94	Effective radial Liapunov exponent for the radial diffusion of test electrons. <i>Contributions To Plasma Physics</i> , 2003 , 43, 198-205	1.4	2
93	Neutralization loss of high energy particles in the plasma boundary of LHD. <i>Journal of Nuclear Materials</i> , 2003 , 313-316, 1010-1014	3.3	2
92	Statistical properties of the radial transport in the magnetic field with radially bounded stochastic region. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 322, 13-37	3.3	8
91	Fueling efficiency of gas puffing on large helical device. <i>Journal of Nuclear Materials</i> , 2003 , 313-316, 534-538	3.3	8
90	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
89	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
88	Sawtooth oscillation in current-carrying plasma in the large helical device. <i>Physical Review Letters</i> , 2003 , 90, 205001	7.4	12

87	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
86	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
85	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
84	Analysis of Radial Electric Field Bifurcation in LHD Based on Neoclassical Transport Theory. <i>Journal of Plasma and Fusion Research</i> , 2003 , 79, 816-820		2
83	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 99-100		24
82	Design of Quasi-Axisymmetric Stellarator CHS-qa.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 166-179		1
81	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
80	Island dynamics in the large-helical-device plasmas. <i>Physical Review Letters</i> , 2002 , 88, 055005	7.4	48
79	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
78	Microinstability studies for the large helical device. <i>Nuclear Fusion</i> , 2002 , 42, 1047-1054	3.3	19
77	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
76	Improvement of neoclassical ion thermal transport near the plasma edge in the electron root regime on LHD. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, A183-A187	2	
75	Characterization of edge pressure in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, A245-A251	2	13
74	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
73	Bootstrap current analysis for neoclassical internal transport barrier discharge of CHS. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, A189-A195	2	5
72	Transport of the plasma with neoclassical internal transport barrier on CHS. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, A197-A201	2	8
71	Neoclassical transport optimization of LHD. <i>Nuclear Fusion</i> , 2002 , 42, L19-L22	3.3	94
70	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

69	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
68	Favourable effect of methane discharges observed in LHD pellet shots. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, A203-A209	2	2
67	Triggering Instability of Sawtooth Crash in NBI-Heated Plasmas of CHS Heliotron/Torsatron.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 1275-1277		1
66	Quasi-Symmetry in Stellarator Research. 5. Status of Physics Design of Quasi-Axisymmetric Stellarators. 5.2. Physics and Engineering Design of CHS-qa.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 220-230		1
65	Measurement of High Energy Proton Temperature in LHD 2002 , 129-132		
64	Electron Heat Transport Analysis of Low-Collisionality Plasmas in the Neoclassical-Transport-Optimized Configuration of LHD.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 994-995		
63	Spatial Distribution Measurement of High Energy Particle using Time-Of-Flight Neutral Particle Energy Analyzer in Large Helical Device 2002 , 145-148		
62	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
61	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
60	Electron cyclotron heating scenario and experimental results in LHD. <i>Fusion Engineering and Design</i> , 2001 , 53, 329-336	1.7	11
59	Role of core radiation during slow oscillations in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 519-525	3.3	16
58	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
57	MHD characteristics in the high beta regime of the Large Helical Device. <i>Nuclear Fusion</i> , 2001 , 41, 1177-1183	3.3	42
56	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
55	The performance of ICRF heated plasmas in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 325-332	3.3	25
54	Impact of pellet injection on extension of the operational region in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 381-386	3.3	57
53	Experimental studies towards long pulse steady state operation in LHD. <i>Nuclear Fusion</i> , 2001 , 41, 779-790	3.3	16
52	Configuration flexibility and extended regimes in Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2001 , 43, A55-A71	2	93

51	Particle confinement optimization in quasi-axisymmetric configurations. <i>Plasma Physics and Controlled Fusion</i> , 2001 , 43, 137-144	2	8
50	Ion and electron heating in ICRF heating experiments on LHD. <i>Nuclear Fusion</i> , 2001 , 41, 1021-1035	3-3	38
49	Overview of LHD experiments. <i>Nuclear Fusion</i> , 2001 , 41, 1355-1367	3-3	50
48	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
47	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
46	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
45	Improved plasma performance on Large Helical Device. <i>Physics of Plasmas</i> , 2001 , 8, 2002-2008	2-1	16
44	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
43	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
42	Statistical properties of the neoclassical radial diffusion in a tokamak equilibrium. <i>Plasma Physics and Controlled Fusion</i> , 2001 , 43, 1211-1226	2	5
41	Recent Results from the Large Helical Device. <i>Fusion Science and Technology</i> , 2001 , 39, 322-328		1
40	Overview of long pulse operation in the Large Helical Device. <i>Nuclear Fusion</i> , 2000 , 40, 1157-1166	3-3	19
39	The first ICRF heating experiment in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2000 , 42, 265-274	2	17
38	Overview of the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2000 , 42, 1165-1177	2	21
37	Experimental studies on NBI and ICRF heated plasmas in the large helical device. <i>Plasma Physics and Controlled Fusion</i> , 2000 , 42, B51-B60	2	3
36	5-D simulation study of suprathermal electron transport in non-axisymmetric plasmas. <i>Nuclear Fusion</i> , 2000 , 40, 693-700	3-3	57
35	Drift mode calculations for the Large Helical Device. <i>Physics of Plasmas</i> , 2000 , 7, 4942-4947	2-1	14
34	Edge thermal transport barrier in LHD discharges. <i>Physical Review Letters</i> , 2000 , 84, 103-6	7-4	60

33	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
32	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
31	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
30	The neoclassical Electron Root-Feature in the Wendelstein-7-AS stellarator. <i>Physics of Plasmas</i> , 2000 , 7, 295-311	2.1	102
29	RF experiments in LHD 1999 ,		3
28	Experiments on NBI plasmas in LHD. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, B157-B166	2	27
27	Plasma confinement studies in LHD. <i>Nuclear Fusion</i> , 1999 , 39, 1659-1666	3.3	27
26	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
25	Confinement physics study in a small low aspect ratio helical device: CHS. <i>Nuclear Fusion</i> , 1999 , 39, 1337-1350	3.3	49
24	Physics issues in the LHD plasma. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, A267-A272	2	4
23	Overview of the Large Helical Device project. <i>Nuclear Fusion</i> , 1999 , 39, 1245-1256	3.3	230
22	Escaping fast ion diagnostics in compact helical system heliotron/torsatron. <i>Review of Scientific Instruments</i> , 1999 , 70, 827-830	1.7	48
21	Initial physics achievements of large helical device experiments. <i>Physics of Plasmas</i> , 1999 , 6, 1843-1850	2.1	170
20	A new method for neoclassical transport studies. <i>Plasma Physics and Controlled Fusion</i> , 1999 , 41, 1091-1108	2	71
19	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
18	Nonlinear collisional monte carlo simulations for high-temperature SOL plasma. <i>European Physical Journal D</i> , 1998 , 48, 137-146		
17	Electromagnetic Effects on Rippling Instability and Tokamak Edge Fluctuations. <i>Journal of the Physical Society of Japan</i> , 1998 , 67, 3429-3436	1.5	1
16	Strong electron heating in CHS ICRF heating experiments. <i>Nuclear Fusion</i> , 1997 , 37, 53-68	3.3	28

15	Cooling effect of secondary electrons in high temperature divertor operation. <i>Nuclear Fusion</i> , 1997 , 37, 1445-1453	3-3	5
14	A Monte Carlo model for velocity space effects in low recycling scrape-off layer plasmas. <i>Nuclear Fusion</i> , 1996 , 36, 1633-1646	3-3	3
13	Orbital aspects of reachable beta value in NBI heated heliotron/torsatrons. <i>Nuclear Fusion</i> , 1996 , 36, 359-365	3-3	9
12	Fabrication of negative-ion-based neutral beam injector for large helical devices. <i>AIP Conference Proceedings</i> , 1996 ,	0	1
11	Large Helical Device (LHD) program. <i>Journal of Fusion Energy</i> , 1996 , 15, 7-153	1.6	62
10	Vector Implementation of Nonlinear Monte Carlo Coulomb Collisions. <i>Journal of Computational Physics</i> , 1996 , 128, 209-222	4-1	12
9	Efficiencies of the ion cyclotron range of frequency minority heating in the compact helical system and large helical device plasmas. <i>Fusion Engineering and Design</i> , 1995 , 26, 209-216	1-7	7
8	Finite ϵ Effects on the ICRF and NBI Heating in the Large Helical Device. <i>Fusion Science and Technology</i> , 1995 , 27, 256-259		111
7	Possibility of simulation experiments for fast particle physics in the Large Helical Device (LHD). <i>Nuclear Fusion</i> , 1995 , 35, 1563-1570	3-3	7
6	Monte Carlo simulation study of ICRF minority heating in the Large Helical Device. <i>Nuclear Fusion</i> , 1994 , 34, 913-925	3-3	23
5	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
4	Macroscale Particle Simulation of Externally Driven Magnetic Reconnection. <i>Journal of the Physical Society of Japan</i> , 1992 , 61, 849-862	1-5	3
3	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
2	Development of stochastic webs in a wave-driven linear oscillator. <i>Physica D: Nonlinear Phenomena</i> , 1988 , 32, 269-276	3-3	7
1	Mechanochemical polymerization of acetylene. <i>Journal of Applied Polymer Science</i> , 1984 , 29, 3445-3455	2-9	7