

# Sadayoshi Murakami

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3605514/publications.pdf>

Version: 2024-02-01

315  
papers

6,685  
citations

61857

43  
h-index

102304

66  
g-index

317  
all docs

317  
docs citations

317  
times ranked

1494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of coordinated spherical tokamak research in Japan. Nuclear Fusion, 2022, 62, 042011.	1.6	5
2	Recent results from deuterium experiments on the large helical device and their contribution to fusion reactor development. Nuclear Fusion, 2022, 62, 042019.	1.6	25
3	Development of Rapid Simulation Code for NBI Heating Analysis in LHD. Journal of Fusion Energy, 2022, 41, 1.	0.5	1
4	ASTI: Data assimilation system for particle and heat transport in toroidal plasmas. Computer Physics Communications, 2022, 274, 108287.	3.0	4
5	Observation of significant Doppler shift in deuterium-deuterium neutron energy caused by neutral beam injection in the large helical device. AAPPS Bulletin, 2022, 32, 1.	2.7	7
6	Studies of energetic particle transport induced by multiple Alfvén eigenmodes using neutron and escaping energetic particle diagnostics in Large Helical Device deuterium plasmas. Nuclear Fusion, 2022, 62, 112001.	1.6	5
7	Prediction of Neutron Emission Rate in Deuterium Neutral Beam Heated CFQS Plasmas Using FIT3D-DD Code. Plasma and Fusion Research, 2022, 17, 2403063-2403063.	0.3	2
8	Application of the Ensemble Kalman Smoother to Turbulent Transport Analysis in LHD Plasma. Plasma and Fusion Research, 2021, 16, 2403016-2403016.	0.3	2
9	Magnetic Configuration and Heating Location Dependences of Toroidal Torques by Electron Cyclotron Heating in LHD. Plasma and Fusion Research, 2021, 16, 2403043-2403043.	0.3	0
10	Analysis of NB Fast-Ion Loss Mechanisms in MHD Quiescent LHD Plasmas. Plasma and Fusion Research, 2021, 16, 2402052-2402052.	0.3	4
11	Initial Results from High-Field-Side Transient CHI Start-Up on QUEST. Plasma and Fusion Research, 2021, 16, 2402048-2402048.	0.3	2
12	Overview of recent progress on steady state operation of all-metal plasma facing wall device QUEST. Nuclear Materials and Energy, 2021, 27, 101013.	0.6	3
13	Isotope effects on transport in LHD. Plasma Physics and Controlled Fusion, 2021, 63, 094001.	0.9	7
14	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. AAPPS Bulletin, 2021, 31, 1.	2.7	9
15	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. Nuclear Fusion, 2021, 61, 096035.	1.6	8
16	Observation of second harmonic electron cyclotron resonance heating and current-drive transition during non-inductive plasma start-up experiment in QUEST. Plasma Physics and Controlled Fusion, 2021, 63, 105002.	0.9	4
17	Effects of electron cyclotron heating on the toroidal flow in LHD plasmas. Physics of Plasmas, 2021, 28, 102501.	0.7	1
18	Neutron energy spectrum measurement using CLYC7-based compact neutron emission spectrometer in the Large Helical Device. Journal of Instrumentation, 2021, 16, C12025.	0.5	11

#	ARTICLE	IF	CITATIONS
19	Electron heating of over-dense plasma with dual-frequency electron cyclotron waves in fully non-inductive plasma ramp-up on the QUEST spherical tokamak. Nuclear Fusion, 2020, 60, 016030.	1.6	20
20	Data assimilation system based on integrated transport simulation of Large Helical Device plasma. Nuclear Fusion, 2020, 60, 056001.	1.6	8
21	Effect of the Pfirsch-Schlüter flow on the inboard/outboard asymmetry of the toroidal flow in LHD. Physics of Plasmas, 2020, 27, .	0.7	2
22	Parametric Decay Wave Observation in HFS X-Mode Injection in QUEST. Plasma and Fusion Research, 2020, 15, 2402063-2402063.	0.3	2
23	Asymmetry of parallel flow on the Large Helical Device. Nuclear Fusion, 2019, 59, 106036.	1.6	3
24	Energetic ion confinement studies using comprehensive neutron diagnostics in the Large Helical Device. Nuclear Fusion, 2019, 59, 076017.	1.6	43
25	Feasibility Study of Neutral Beam Injection on Chinese First Quasi-Axisymmetric Stellarator (CFQS). Plasma and Fusion Research, 2019, 14, 3402067-3402067.	0.3	5
26	Transport characteristics of deuterium and hydrogen plasmas with ion internal transport barrier in the Large Helical Device. Nuclear Fusion, 2019, 59, 106002.	1.6	11
27	Isotope Effect on Energy Confinement Time and Thermal Transport in Neutral-Beam-Heated Stellarator-Heliotron Plasmas. Physical Review Letters, 2019, 123, 185001.	2.9	28
28	Measurements of radial profile of hydrogen and deuterium density in isotope mixture plasmas using bulk charge exchange spectroscopy. Review of Scientific Instruments, 2019, 90, 093503.	0.6	10
29	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. Nuclear Fusion, 2019, 59, 076007.	1.6	11
30	Estimation of fuel particle balance in steady state operation with hydrogen barrier model. Nuclear Materials and Energy, 2019, 19, 544-549.	0.6	5
31	28-GHz ECHCD system with beam focusing launcher on the QUEST spherical tokamak. Fusion Engineering and Design, 2019, 146, 1149-1152.	1.0	11
32	The isotope effect on impurities and bulk ion particle transport in the Large Helical Device. Nuclear Fusion, 2019, 59, 056029.	1.6	13
33	Study of first orbit losses of 1 MeV tritons using the Lorentz orbit code in the LHD. Plasma Science and Technology, 2019, 21, 025102.	0.7	11
34	Evaluation of Neutron Emission Rate with FIT3D-DD Code in Large Helical Device. Plasma and Fusion Research, 2019, 14, 3402126-3402126.	0.3	13
35	Estimation of the $\langle j_{\parallel} \rangle$ and $\langle B_{\parallel} \rangle$ Force Produced by Electron Cyclotron Heating in HSX Plasma. Plasma and Fusion Research, 2019, 14, 3403105-3403105.	0.3	3
36	Simulation Study of Neutral Beam Injection Heating in the HSX Plasma. Plasma and Fusion Research, 2019, 14, 3403152-3403152.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Role of Helium-Hydrogen ratio on energetic interchange mode behaviour and its effect on ion temperature and micro-turbulence in LHD. Nuclear Fusion, 2018, 58, 046013.	1.6	4
38	Fusion neutron production with deuterium neutral beam injection and enhancement of energetic-particle physics study in the large helical device. Nuclear Fusion, 2018, 58, 082004.	1.6	45
39	Time-resolved triton burnup measurement using the scintillating fiber detector in the Large Helical Device. Nuclear Fusion, 2018, 58, 034002.	1.6	23
40	Electrostatic potential generated by perpendicular neutral-beam injection to a tokamak plasma. Nuclear Fusion, 2018, 58, 016029.	1.6	2
41	Initial Results of Neutron Emission Profile Measurements in LHD Deuterium Plasmas. Plasma and Fusion Research, 2018, 13, 3402122-3402122.	0.3	3
42	Realization of high T <sub>i</sub> plasmas and confinement characteristics of ITB plasmas in the LHD deuterium experiments. Nuclear Fusion, 2018, 58, 106028.	1.6	39
43	Initial results from solenoid-free plasma start-up using Transient CHI on QUEST. Plasma Physics and Controlled Fusion, 2018, 60, 115001.	0.9	15
44	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.	0.9	12
45	Time dependent neutron emission rate analysis for neutral-beam-heated deuterium plasmas in a helical system and tokamaks. Plasma Physics and Controlled Fusion, 2018, 60, 095010.	0.9	13
46	Neutron Diagnostics in the Large Helical Device. IEEE Transactions on Plasma Science, 2018, 46, 2050-2058.	0.6	60
47	Fast Ion Confinement Study by Neutron Emission Rate Measurement after Short Pulse NB Injection in the Large Helical Device. Plasma and Fusion Research, 2018, 13, 3402024-3402024.	0.3	6
48	Initial Results of Triton Burnup Study in the Large Helical Device. Plasma and Fusion Research, 2018, 13, 3402121-3402121.	0.3	6
49	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.	1.6	15
50	Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.	1.6	116
51	Effect of Rotational Transform on Thermal Transport in Stellarator-Heliotron Plasmas on LHD. Journal of Fusion Energy, 2017, 36, 197-203.	0.5	1
52	Extended capability of the integrated transport analysis suite, TASK3D-a, for LHD experiment. Nuclear Fusion, 2017, 57, 126016.	1.6	28
53	Extension of operational regime in high-temperature plasmas and effect of ECRH on ion thermal transport in the LHD. Nuclear Fusion, 2017, 57, 086029.	1.6	17
54	Simulation study of NBI heating in the time-evolving and multi-ion-species plasmas of LHD. Nuclear Fusion, 2016, 56, 026003.	1.6	10

#	ARTICLE	IF	CITATIONS
55	NBI Beam Ion Distributions in the Presence of Magnetic Islands in Helical Plasmas. Plasma and Fusion Research, 2016, 11, 2403094-2403094.	0.3	2
56	Estimations of Beam-Beam Fusion Reaction Rates in the Deuterium Plasma Experiment on LHD. Plasma and Fusion Research, 2016, 11, 2403109-2403109.	0.3	2
57	Comparison of Ion Internal Transport Barrier Formation between Hydrogen and Helium Dominated Plasmas. Plasma and Fusion Research, 2016, 11, 2402106-2402106.	0.3	4
58	Upgrades and application of FIT3D NBIâ€“plasma interaction code in view of LHD deuterium campaigns. Plasma Physics and Controlled Fusion, 2016, 58, 125008.	0.9	22
59	Study of toroidal flow generation by ion cyclotron range of frequency minority heating in the Alcator C-Mod plasma. Physics of Plasmas, 2016, 23, 012501.	0.7	6
60	Simulation Study of Toroidal Flow Generation of Minority Ions by Local ICRF Heating. Journal of the Physical Society of Japan, 2015, 84, 123501.	0.7	1
61	Development of the Heating Scenarios to Achieve High-Ion Temperature Plasma in the Large Helical Device<sup> </sup>. Plasma and Fusion Research, 2015, 10, 1402001-1402001.	0.3	7
62	Integrated Particle Transport Simulation of NBI Plasmas in LHD. Plasma and Fusion Research, 2015, 10, 3403048-3403048.	0.3	3
63	Simulation Study of Energetic Triton Confinement in the D-D Experiment on LHD. Plasma and Fusion Research, 2015, 10, 3403050-3403050.	0.3	9
64	Integrated discharge scenario for high-temperature helical plasma in LHD. Nuclear Fusion, 2015, 55, 113020.	1.6	37
65	Development of Momentum Conserving Monte Carlo Simulation Code for ECCD Study in Helical Plasmas. EPJ Web of Conferences, 2015, 87, 01010.	0.1	1
66	Integrated transport simulations of high ion temperature plasmas of LHD. Plasma Physics and Controlled Fusion, 2015, 57, 054009.	0.9	14
67	Effect of the RF wall conditioning on the high performance plasmas in the Large Helical Device. Journal of Nuclear Materials, 2015, 463, 1100-1103.	1.3	10
68	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.	1.6	10
69	Effect of Impurity Ions on NBI Heating in LHD Plasmas. Plasma and Fusion Research, 2014, 9, 3403127-3403127.	0.3	5
70	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.	0.9	24
71	Physics analyses on the core plasma properties in the helical fusion DEMO reactor FFHR-d1. Nuclear Fusion, 2014, 54, 043010.	1.6	15
72	Extension of high Te regime with upgraded ECRH system in the LHD. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
73	Extension of high $\langle i \rangle T_e$ regime with upgraded electron cyclotron resonance heating system in the Large Helical Device. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	30
74	A study about optimum stator pole design of Axial-gap switched reluctance motor. , 2014, , .		11
75	Integrated Transport Simulation of Time-Evolving LHD Plasma Using GNET-TD and TASK3D. , 2014, , .		1
76	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.	0.3	13
77	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.	0.3	4
78	Integrated Heat Transport Simulation of Multi-Ion-Species Plasma in LHD. <i>Plasma and Fusion Research</i> , 2014, 9, 3403124-3403124.	0.3	3
79	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. <i>Nuclear Fusion</i> , 2013, 53, 126001.	1.6	77
80	3-D effects on viscosity and generation of toroidal and poloidal flows in LHD. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	10
81	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.	0.9	4
82	Extension of the operational regime in high-temperature plasmas and the dynamic-transport characteristics in the LHD. <i>Nuclear Fusion</i> , 2013, 53, 073034.	1.6	26
83	Study of $\pm$ -particle confinement in an LHD-type heliotron reactor. <i>Nuclear Fusion</i> , 2013, 53, 093030.	1.6	11
84	Inter-machine validation study of neoclassical transport modelling in medium- to high-density stellarator-heliotron plasmas. <i>Nuclear Fusion</i> , 2013, 53, 063022.	1.6	40
85	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. <i>Nuclear Fusion</i> , 2013, 53, 104015.	1.6	35
86	Simulation Study of ECCD by GNET with Momentum Conserving Collisional Operator. <i>Plasma and Fusion Research</i> , 2013, 8, 2403083-2403083.	0.3	4
87	Development of Transport Model in Reactor Plasmas based on LHD Experiment Scaling. <i>Plasma and Fusion Research</i> , 2013, 8, 2403089-2403089.	0.3	0
88	Development of a Nonlinear Collision Operator for GNET Code. <i>Plasma and Fusion Research</i> , 2013, 8, 2403106-2403106.	0.3	1
89	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.	0.3	14
90	NBI Heating Analysis of Time-Development Plasma in LHD. <i>Plasma and Fusion Research</i> , 2013, 8, 2403099-2403099.	0.3	6

#	ARTICLE	IF	CITATIONS
91	Formation of Electron-Root Radial Electric Field and its Effect on Thermal Transport in LHD High $\beta$ Plasma. Plasma and Fusion Research, 2013, 8, 1403039-1403039.	0.3	2
92	Formularization of the confinement enhancement factor as a function of the heating profile for FFHR-d1 core plasma design. Nuclear Fusion, 2012, 52, 123007.	1.6	16
93	Density fluctuation measurements using beam emission spectroscopy on Heliotron J. Review of Scientific Instruments, 2012, 83, 10D535.	0.6	9
94	Measurement of Ion Temperature and Toroidal Rotation Velocity Using Charge Exchange Recombination Spectroscopy in Heliotron J. Plasma and Fusion Research, 2012, 7, 1402019-1402019.	0.3	5
95	Development of Integrated Transport Code, TASK3D, and Its Applications to LHD Experiment. Plasma and Fusion Research, 2012, 7, 2403011-2403011.	0.3	17
96	Nonlinear Collision Effect on $\hat{\mu}$ Particle Confinement in Toroidal Plasmas. Green Energy and Technology, 2012, , 261-266.	0.4	0
97	Neoclassical electron transport calculation by using $\hat{\mu}$ Monte Carlo method. Physics of Plasmas, 2011, 18, 032511.	0.7	13
98	Simulation Study of ECCD in Helical Plasmas. Plasma and Fusion Research, 2011, 6, 2403139-2403139.	0.3	2
99	Toroidal Flow Generation by the ICRF Minority Heating and RF Wave Field Profile Dependence. , 2011, , .		0
100	Benchmarking of the mono-energetic transport coefficientsâ€”results from the International Collaboration on Neoclassical Transport in Stellarators (ICNTS). Nuclear Fusion, 2011, 51, 076001.	1.6	118
101	Heat and momentum transport of ion internal transport barrier plasmas on the Large Helical Device. Nuclear Fusion, 2011, 51, 083022.	1.6	39
102	Neoclassical transport simulations for stellarators. Physics of Plasmas, 2011, 18, .	0.7	84
103	Study of $\hat{\mu}$ Particle Confinement in Helical Type Reactor by GNET Code. Green Energy and Technology, 2011, , 245-251.	0.4	1
104	Transport Study of LHD High-Beta Plasmas Based on Power Balance Analysis with TASK3D Code Module. Plasma and Fusion Research, 2011, 6, 2402081-2402081.	0.3	12
105	Evaluation of Monte Carlo Calculation Accuracy for $\hat{\mu}$ Particle Confinement Analysis in Heliotron Reactors. Plasma and Fusion Research, 2011, 6, 2403129-2403129.	0.3	0
106	Study of Radial Diffusion of Energetic Ions by High-m Magnetic Perturbations Using DCOM Code. Plasma and Fusion Research, 2011, 6, 2403143-2403143.	0.3	0
107	Improvement of Plasma Core Confinement Via Electron-Root Realization by Strongly Focused ECRH in LHD: Core Electron-Root Confinement. Fusion Science and Technology, 2010, 58, 38-45.	0.6	6
108	Fast-Particle Diagnostics on LHD. Fusion Science and Technology, 2010, 58, 426-435.	0.6	21

#	ARTICLE	IF	CITATIONS
109	Development of 6-MeV Heavy Ion Beam Probe on LHD. Fusion Science and Technology, 2010, 58, 436-444.	0.6	10
110	Numerical Analyses of Energetic Particles in LHD. Fusion Science and Technology, 2010, 58, 277-288.	0.6	7
111	Role of Neoclassical Transport and Radial Electric Field in LHD Plasmas. Fusion Science and Technology, 2010, 58, 269-276.	0.6	8
112	Particle Transport of LHD. Fusion Science and Technology, 2010, 58, 70-90.	0.6	25
113	Local Transport Property of High-Beta Plasmas on LHD. Fusion Science and Technology, 2010, 58, 141-149.	0.6	5
114	Characteristics of the Global Energy Confinement and Central Pressure in LHD. Fusion Science and Technology, 2010, 58, 29-37.	0.6	9
115	Activities on Integrated Simulations in LHD. Fusion Science and Technology, 2010, 58, 289-296.	0.6	0
116	ICRF Heating and Ion Tail Formation in LHD. Fusion Science and Technology, 2010, 58, 515-523.	0.6	14
117	Ion Heating Experiments and Improvement of Ion Heat Transport in LHD. Fusion Science and Technology, 2010, 58, 46-52.	0.6	6
118	Fast-Ion Confinement Studies on LHD. Fusion Science and Technology, 2010, 58, 131-140.	0.6	19
119	Fast-Ion Response to Energetic-Particle-Driven MHD Activity in Heliotron J. Contributions To Plasma Physics, 2010, 50, 534-539.	0.5	4
120	Development of the Neoclassical Transport Module for the Integrated Simulation Code in Helical Plasmas. Contributions To Plasma Physics, 2010, 50, 582-585.	0.5	10
121	Simulation Study of the MHD Stability Beta Limit in LHD by TASK3D. Contributions To Plasma Physics, 2010, 50, 665-668.	0.5	2
122	Optimization Study of ICRF Heating in the LHD and HSX Configurations. Contributions To Plasma Physics, 2010, 50, 546-551.	0.5	1
123	Spontaneous toroidal rotation driven by the off-diagonal term of momentum and heat transport in the plasma with the ion internal transport barrier in LHD. Nuclear Fusion, 2010, 50, 064007.	1.6	38
124	Fast ion charge exchange spectroscopy adapted for tangential viewing geometry in LHD. Review of Scientific Instruments, 2010, 81, 10D327.	0.6	12
125	Application of beam emission spectroscopy to NBI plasmas of Heliotron J. Review of Scientific Instruments, 2010, 81, 10D726.	0.6	3
126	A convergence study for the Laguerre expansion in the moment equation method for neoclassical transport in general toroidal plasmas. Physics of Plasmas, 2010, 17, .	0.7	10



#	ARTICLE	IF	CITATIONS
127	Observation of Reversed-Shear Alfvén Eigenmodes Excited by Energetic Ions in a Helical Plasma. Physical Review Letters, 2010, 105, 145003.	2.9	44
128	Physics of Heliotron J Confinement. Plasma and Fusion Research, 2010, 5, S2003-S2003.	0.3	4
129	Evaluation of Fast-Ion Confinement Using a Radially Injected Neutral Beam in the LHD. Plasma and Fusion Research, 2010, 5, S2042-S2042.	0.3	6
130	Turbulence Response in the High Ti Discharge of the LHD. Plasma and Fusion Research, 2010, 5, S2053-S2053.	0.3	35
131	Effect of Halo Neutrals on Fast-Ion Charge Exchange Spectroscopy Measurements in LHD. Plasma and Fusion Research, 2010, 5, S2099-S2099.	0.3	11
132	Simulation Study of Toroidal Shear Flow Generation by a Local ICRF Heating. AIP Conference Proceedings, 2009, , .	0.3	1
133	Shape effect of the outermost flux surface on effective helical ripple and zonal flow response in an L=2 heliotron. Nuclear Fusion, 2009, 49, 045001.	1.6	6
134	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	1.6	54
135	Web interface for plasma analysis codes. Fusion Engineering and Design, 2008, 83, 453-457.	1.0	5
136	Density limit study focusing on the edge plasma parameters in LHD. Nuclear Fusion, 2008, 48, 015003.	1.6	36
137	Fast ion charge exchange spectroscopy measurement using a radially injected neutral beam on the large helical device. Review of Scientific Instruments, 2008, 79, 10E519.	0.6	28
138	Measurements of Micro-Turbulence in High Beta and High Density Regimes of LHD and Comparison with Resistive G-Mode Scaling. Plasma and Fusion Research, 2008, 3, S1071-S1071.	0.3	6
139	Configuration Control Studies in Heliotron J. AIP Conference Proceedings, 2008, , .	0.3	0
140	Electrostatic Potential Measurement by Using 6-MeV Heavy Ion Beam Probe on LHD. Plasma and Fusion Research, 2008, 3, 031-031.	0.3	10
141	Configuration Effects on Local Transport in High-Beta LHD Plasmas. Plasma and Fusion Research, 2008, 3, 022-022.	0.3	11
142	Effect of Rotational Transform and Magnetic Shear on Confinement of Stellarators. Plasma and Fusion Research, 2008, 3, S1004-S1004.	0.3	14
143	Study of Neoclassical Transport in LHD Plasmas by Applying the DCOM/NNW Neoclassical Transport Database. Plasma and Fusion Research, 2008, 3, S1030-S1030.	0.3	11
144	Effect of Ellipticity on Thermal Transport in ECH Plasmas in LHD. Plasma and Fusion Research, 2008, 3, S1032-S1032.	0.3	3

#	ARTICLE	IF	CITATIONS
145	Neoclassical Transport Properties in High-Ion-Temperature Hydrogen Plasmas in the Large Helical Device (LHD). Plasma and Fusion Research, 2008, 3, S1056-S1056.	0.3	5
146	Development of a Hierarchy-Integrated Simulation Code for Toroidal Helical Plasmas, TASK3D. Plasma and Fusion Research, 2008, 3, S1063-S1063.	0.3	9
147	Particle Transport and Fluctuation Characteristics around the Neoclassically Optimized Configuration in LHD. Plasma and Fusion Research, 2008, 3, S1069-S1069.	0.3	1
148	Simulation Study of ICRF Wave Propagation and Absorption in 3-D Magnetic Configurations. Plasma and Fusion Research, 2008, 3, S1075-S1075.	0.3	3
149	Discriminating Acquisition of 15-MeV Protons from D-3He Fusion Reaction in LHD. Plasma and Fusion Research, 2008, 3, 058-058.	0.3	1
150	Study on Poloidal and Toroidal Electric Field Generations by Electron Cyclotron Heating in a Helical Plasma. Plasma and Fusion Research, 2008, 3, S1079-S1079.	0.3	0
151	Extended steady-state and high-beta regimes of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2007, 47, S668-S676.	1.6	44
152	Construction of Neoclassical Transport Database for Large Helical Device Plasma Applying Neural Network Method. Japanese Journal of Applied Physics, 2007, 46, 1157-1167.	0.8	21
153	Core electron-root confinement (CERC) in helical plasmas. Nuclear Fusion, 2007, 47, 1213-1219.	1.6	97
154	Steady-state operation and high energy particle production of MeV energy in the Large Helical Device. Nuclear Fusion, 2007, 47, 1250-1257.	1.6	38
155	Effect of Neoclassical Transport Optimization on Electron Heat Transport in Low-Collisionality LHD Plasmas. Fusion Science and Technology, 2007, 51, 112-121.	0.6	11
156	Assessment of Global Stellarator Confinement: Status of the International Stellarator Confinement Database. Fusion Science and Technology, 2007, 51, 1-7.	0.6	13
157	Transport Analysis of High-Beta Plasmas on LHD. Fusion Science and Technology, 2007, 51, 129-137.	0.6	10
158	Effect of Magnetic Configuration on Particle Transport and Density Fluctuation in LHD. Fusion Science and Technology, 2007, 51, 97-111.	0.6	14
159	Physical model assessment of the energy confinement time scaling in stellarators. Nuclear Fusion, 2007, 47, 1265-1273.	1.6	34
160	Stellarator Impurity STRAHL Code Development in NIFS. Plasma and Fusion Research, 2007, 2, S1132-S1132.	0.3	1
161	Development of Web Interfaces for Analysis Codes. Plasma and Fusion Research, 2007, 2, S1130-S1130.	0.3	1
162	Impurity Transport Studies on LHD. Plasma and Fusion Research, 2007, 2, S1131-S1131.	0.3	2

#	ARTICLE	IF	CITATIONS
163	Horizontal, vertical, and radial high-energy particle distribution measurement system in Large Helical Device. <i>Review of Scientific Instruments</i> , 2006, 77, 10E917.	0.6	8
164	Fast Ion Dynamics of NBI Plasmas in Heliotron J. <i>Fusion Science and Technology</i> , 2006, 50, 428-433.	0.6	7
165	Overview of Progress in LHD Experiments. <i>Fusion Science and Technology</i> , 2006, 50, 136-145.	0.6	17
166	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.	0.6	9
167	Development of Integrated Simulation System for Helical Plasmas. <i>Fusion Science and Technology</i> , 2006, 50, 457-463.	0.6	7
168	Common Features of Core Electron-Root Confinement in Helical Devices. <i>Fusion Science and Technology</i> , 2006, 50, 327-342.	0.6	43
169	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.	0.7	0
170	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.	1.6	37
171	Self-sustained detachment in the Large Helical Device. <i>Nuclear Fusion</i> , 2006, 46, 532-540.	1.6	16
172	Global confinement scaling for high-density plasmas in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, 325-337.	0.9	8
173	A global simulation study of ICRF heating in the LHD. <i>Nuclear Fusion</i> , 2006, 46, S425-S432.	1.6	47
174	Experimental study of particle transport and density fluctuations in LHD. <i>Nuclear Fusion</i> , 2006, 46, 110-122.	1.6	64
175	Density Regimes of Complete Detachment and Serpens Mode in LHD. <i>Plasma and Fusion Research</i> , 2006, 1, 026-026.	0.3	6
176	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.	0.9	17
177	Characterization of energy confinement in net-current free plasmas using the extended International Stellarator Database. <i>Nuclear Fusion</i> , 2005, 45, 1684-1693.	1.6	215
178	Effects of global MHD instability on operational high beta-regime in LHD. <i>Nuclear Fusion</i> , 2005, 45, 1247-1254.	1.6	87
179	Global and Self-consistent Simulation of ICRF Heating in Toroidal Plasmas. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	1
180	Overview of confinement and MHD stability in the Large Helical Device. <i>Nuclear Fusion</i> , 2005, 45, S255-S265.	1.6	38

#	ARTICLE	IF	CITATIONS
181	Experimental studies of energetic-ion-driven MHD instabilities in Large Helical Device plasmas. Nuclear Fusion, 2005, 45, 326-336.	1.6	44
182	High-ion temperature experiments with negative-ion-based neutral beam injection heating in Large Helical Device. Nuclear Fusion, 2005, 45, 565-573.	1.6	22
183	Recent Results in Large Helical Device. , 2005, , .		0
184	H-mode confinement of Heliotron J. Nuclear Fusion, 2005, 45, 1557-1570.	1.6	47
185	Extension and characteristics of an ECRH plasma in LHD. Plasma Physics and Controlled Fusion, 2005, 47, A81-A90.	0.9	30
186	Electron Pressure Profiles in High-Density Neutral Beam Heated Plasmas in the Large Helical Device. Journal of Plasma and Fusion Research, 2005, 81, 302-311.	0.4	11
187	Review on the Progress of the LHD Experiment. Fusion Science and Technology, 2004, 46, 1-12.	0.6	10
188	Radial electric field and transport near the rational surface and the magnetic island in LHD. Nuclear Fusion, 2004, 44, 290-295.	1.6	58
189	Energetic ion driven Alfvén eigenmodes in Large Helical Device plasmas with three-dimensional magnetic structure and their impact on energetic ion transport. Plasma Physics and Controlled Fusion, 2004, 46, S1-S13.	0.9	31
190	Confinement characteristics of the quasi-axisymmetric stellarator CHS-qa. Nuclear Fusion, 2004, 44, 575-581.	1.6	13
191	Observation of pellet ablation behaviour on the large helical device. Nuclear Fusion, 2004, 44, 624-630.	1.6	18
192	Study of ripple-trapped proton behaviour in LHD by two line-of-sight measurements of fast neutrals. Nuclear Fusion, 2004, 44, 488-495.	1.6	11
193	Observations of edge radial electric field transition in LHD plasmas. Plasma Physics and Controlled Fusion, 2004, 46, 1021-1025.	0.9	9
194	Comparison of electron internal transport barriers in the large helical device and JT-60U plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A45-A50.	0.9	19
195	Formation of neoclassical internal transport barriers under various operational regimes on compact helical system. Plasma Physics and Controlled Fusion, 2004, 46, A285-A290.	0.9	1
196	Characteristics of transport in electron internal transport barriers and in the vicinity of rational surfaces in the Large Helical Device. Physics of Plasmas, 2004, 11, 2551-2557.	0.7	46
197	Evaluation of energetic particle confinement using CXNPA with NB-blip experiments on Large Helical Device. Review of Scientific Instruments, 2004, 75, 3601-3603.	0.6	7
198	Characteristics of sawtooth oscillations observed in the compact helical system. Physics of Plasmas, 2004, 11, 1537-1544.	0.7	9

#	ARTICLE	IF	CITATIONS
199	Increased understanding of neoclassical internal transport barriers in CHS. Nuclear Fusion, 2004, 44, 342-349.	1.6	34
200	Two-dimensional scanning high-energy particle diagnostic system in Large Helical Device. Review of Scientific Instruments, 2004, 75, 3604-3606.	0.6	1
201	MHD instabilities and their effects on plasma confinement in Large Helical Device plasmas. Nuclear Fusion, 2004, 44, 217-225.	1.6	57
202	Configuration Effect on Energy Confinement and Local Transport in LHD and Contribution to the International Stellarator Database. Fusion Science and Technology, 2004, 46, 82-90.	0.6	16
203	Long-Pulse Operation and High-Energy Particle Confinement Study in ICRF Heating of LHD. Fusion Science and Technology, 2004, 46, 175-183.	0.6	5
204	Effect of Neoclassical Transport Optimization on Energetic Ion Confinement in LHD. Fusion Science and Technology, 2004, 46, 241-247.	0.6	41
205	Difference in Electron Transport between Co- and Counter-NBI-Heated Plasmas in the Inward-Shifted Configurations on LHD. Fusion Science and Technology, 2004, 46, 262-270.	0.6	3
206	Electron ITB Formation with Combination of NBI and ECH in LHD. Fusion Science and Technology, 2004, 46, 106-114.	0.6	13
207	Energetic Particle Confinement in Helical Systems. Journal of Plasma and Fusion Research, 2004, 80, 725-731.	0.4	4
208	Effective radial Liapunov exponent for the radial diffusion of test electrons. Contributions To Plasma Physics, 2003, 43, 198-205.	0.5	3
209	Neutralization loss of high energy particles in the plasma boundary of LHD. Journal of Nuclear Materials, 2003, 313-316, 1010-1014.	1.3	2
210	Statistical properties of the radial transport in the magnetic field with radially bounded stochastic region. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 13-37.	1.2	10
211	Fueling efficiency of gas puffing on large helical device. Journal of Nuclear Materials, 2003, 313-316, 534-538.	1.3	9
212	Spatially resolved measurements of energetic neutral particle distributions in the Large Helical Device. Review of Scientific Instruments, 2003, 74, 1873-1877.	0.6	18
213	Formation of electron internal transport barriers by highly localized electron cyclotron resonance heating in the large helical device. Plasma Physics and Controlled Fusion, 2003, 45, 1183-1192.	0.9	70
214	Sawtooth Oscillation in Current-Carrying Plasma in the Large Helical Device. Physical Review Letters, 2003, 90, 205001.	2.9	16
215	Characteristics of Electron Heat Transport of Plasma with an Electron Internal-Transport Barrier in the Large Helical Device. Physical Review Letters, 2003, 91, 085003.	2.9	107
216	Formation of electron internal transport barrier and achievement of high ion temperature in Large Helical Device. Physics of Plasmas, 2003, 10, 1788-1795.	0.7	59

#	ARTICLE	IF	CITATIONS
217	Observation of Helicity-Induced Alfvén Eigenmodes in Large-Helical-Device Plasmas Heated by Neutral-Beam Injection. <i>Physical Review Letters</i> , 2003, 91, 245001.	2.9	36
218	Recent advances in the LHD experiment. <i>Nuclear Fusion</i> , 2003, 43, 1674-1683.	1.6	119
219	Ion cyclotron range of frequencies heating and high-energy particle production in the Large Helical Device. <i>Nuclear Fusion</i> , 2003, 43, 738-743.	1.6	25
220	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.	0.9	13
221	Recent results from the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 671-686.	0.9	14
222	Experimental study on ion temperature behaviours in ECH, ICRF and NBI H <sub>2</sub> , He and Ne discharges of the Large Helical Device. <i>Nuclear Fusion</i> , 2003, 43, 899-909.	1.6	18
223	Impact of heat deposition profile on global confinement of NBI heated plasmas in the LHD. <i>Nuclear Fusion</i> , 2003, 43, 749-755.	1.6	39
224	Plasma performance and impurity behaviour in long pulse discharges on LHD. <i>Nuclear Fusion</i> , 2003, 43, 219-227.	1.6	34
225	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.	0.9	13
226	Spatial 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.	0.6	7
227	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.	0.4	2
228	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.	0.7	15
229	Island Dynamics in the Large-Helical-Device Plasmas. <i>Physical Review Letters</i> , 2002, 88, 055005.	2.9	50
230	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.	1.6	13
231	Microinstability studies for the large helical device. <i>Nuclear Fusion</i> , 2002, 42, 1047-1054.	1.6	19
232	A study of high-energy ions produced by ICRF heating in LHD. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 103-119.	0.9	16
233	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.	0.9	0
234	Characterization of edge pressure in the Large Helical Device. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, A245-A251.	0.9	13

#	ARTICLE	IF	CITATIONS
235	Optimization of ICRF heating in terms of confining magnetic field parameters in the LHD*. Plasma Physics and Controlled Fusion, 2002, 44, 1543-1556.	0.9	1
236	Bootstrap current analysis for neoclassical internal transport barrier discharge of CHS. Plasma Physics and Controlled Fusion, 2002, 44, A189-A195.	0.9	5
237	Transport of the plasma with neoclassical internal transport barrier on CHS. Plasma Physics and Controlled Fusion, 2002, 44, A197-A201.	0.9	9
238	Neoclassical transport optimization of LHD. Nuclear Fusion, 2002, 42, L19-L22.	1.6	105
239	Study of acceleration and confinement of high-energy protons during ICRF and NBI heating in LHD using a natural diamond detector. Nuclear Fusion, 2002, 42, 759-767.	1.6	17
240	Observation of flow reversal in plasmas with a neoclassical internal transport barrier in CHS. Plasma Physics and Controlled Fusion, 2002, 44, 361-370.	0.9	14
241	Favourable effect of methane discharges observed in LHD pellet shots. Plasma Physics and Controlled Fusion, 2002, 44, A203-A209.	0.9	2
242	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
243	Design of Quasi-Axisymmetric Stellarator CHS-qa.. Journal of Plasma and Fusion Research, 2002, 78, 166-179.	0.4	2
244	Triggering Instability of Sawtooth Crash in NBI-Heated Plasmas of CHS Heliotron/Torsatron.. Journal of Plasma and Fusion Research, 2002, 78, 1275-1277.	0.4	1
245	Quasi-Symmetry in Stellarator Research. 5. Status of Physics Design of Quasi-Axisymmetric Stellarators. 5.2. Physics and Engineering Design of CHS-qa.. Journal of Plasma and Fusion Research, 2002, 78, 220-230.	0.4	1
246	Measurement of High Energy Proton Temperature in LHD. , 2002, , 129-132.		0
247	Electron Heat Transport Analysis of Low-Collisionality Plasmas in the Neoclassical-Transport-Optimized Configuration of LHD.. Journal of Plasma and Fusion Research, 2002, 78, 994-995.	0.4	0
248	Spatial Distribution Measurement of High Energy Particle using Time-Of-Flight Neutral Particle Energy Analyzer in Large Helical Device. , 2002, , 145-148.		0
249	Statistical properties of the neoclassical radial diffusion in a tokamak equilibrium. Plasma Physics and Controlled Fusion, 2001, 43, 1211-1226.	0.9	5
250	Recent Results from the Large Helical Device. Fusion Science and Technology, 2001, 39, 322-328.	0.6	1
251	Charge exchange neutral particle analysis with natural diamond detectors on LHD heliotron. Review of Scientific Instruments, 2001, 72, 611-614.	0.6	34
252	In situ calibration of neutral beam port-through power and estimation of neutral beam deposition on LHD. Review of Scientific Instruments, 2001, 72, 590-593.	0.6	36

#	ARTICLE	IF	CITATIONS
253	Electron cyclotron heating scenario and experimental results in LHD. Fusion Engineering and Design, 2001, 53, 329-336.	1.0	12
254	Role of core radiation during slow oscillations in LHD. Nuclear Fusion, 2001, 41, 519-525.	1.6	16
255	Energy confinement and thermal transport characteristics of net current free plasmas in the Large Helical Device. Nuclear Fusion, 2001, 41, 901-908.	1.6	56
256	MHD characteristics in the high beta regime of the Large Helical Device. Nuclear Fusion, 2001, 41, 1177-1183.	1.6	44
257	Physics and engineering design of the low aspect ratio quasi-axisymmetric stellarator CHS-qa. Nuclear Fusion, 2001, 41, 1865-1871.	1.6	47
258	The performance of ICRF heated plasmas in LHD. Nuclear Fusion, 2001, 41, 325-332.	1.6	25
259	Impact of pellet injection on extension of the operational region in LHD. Nuclear Fusion, 2001, 41, 381-386.	1.6	62
260	Experimental studies towards long pulse steady state operation in LHD. Nuclear Fusion, 2001, 41, 779-790.	1.6	16
261	Configuration flexibility and extended regimes in Large Helical Device. Plasma Physics and Controlled Fusion, 2001, 43, A55-A71.	0.9	106
262	$\hat{I}_{\pm}$ -particle confinement optimization in quasi-axisymmetric configurations. Plasma Physics and Controlled Fusion, 2001, 43, 137-144.	0.9	9
263	Ion and electron heating in ICRF heating experiments on LHD. Nuclear Fusion, 2001, 41, 1021-1035.	1.6	41
264	Overview of LHD experiments. Nuclear Fusion, 2001, 41, 1355-1367.	1.6	53
265	Derivation of energy confinement time and ICRF absorption in LHD by power modulation. Plasma Physics and Controlled Fusion, 2001, 43, 1191-1210.	0.9	12
266	Experimental investigation of the ripple induced losses of perpendicularly injected beam ions in the low aspect ratio helical system CHS. Nuclear Fusion, 2001, 41, 1273-1281.	1.6	18
267	Reduction of Ion Thermal Diffusivity Associated with the Transition of the Radial Electric Field in Neutral-Beam-Heated Plasmas in the Large Helical Device. Physical Review Letters, 2001, 86, 5297-5300.	2.9	58
268	Improved plasma performance on Large Helical Device. Physics of Plasmas, 2001, 8, 2002-2008.	0.7	16
269	Ion cyclotron range of frequency heating experiments on the large helical device and high energy ion behavior. Physics of Plasmas, 2001, 8, 2139-2147.	0.7	37
270	Observation of the "Self-Healing" of an Error Field Island in the Large Helical Device. Physical Review Letters, 2001, 87, 135002.	2.9	67



#	ARTICLE	IF	CITATIONS
271	Overview of long pulse operation in the Large Helical Device. Nuclear Fusion, 2000, 40, 1157-1166.	1.6	19
272	The first ICRF heating experiment in the large helical device. Plasma Physics and Controlled Fusion, 2000, 42, 265-274.	0.9	18
273	Overview of the Large Helical Device. Plasma Physics and Controlled Fusion, 2000, 42, 1165-1177.	0.9	23
274	Experimental studies on NBI and ICRF heated plasmas in the large helical device. Plasma Physics and Controlled Fusion, 2000, 42, B51-B60.	0.9	4
275	5-D simulation study of suprathermal electron transport in non-axisymmetric plasmas. Nuclear Fusion, 2000, 40, 693-700.	1.6	63
276	Drift mode calculations for the Large Helical Device. Physics of Plasmas, 2000, 7, 4942-4947.	0.7	14
277	Edge Thermal Transport Barrier In LHD Discharges. Physical Review Letters, 2000, 84, 103-106.	2.9	60
278	Energy Confinement Time and Heat Transport in Initial Neutral Beam Heated Plasmas on the Large Helical Device. Physical Review Letters, 2000, 84, 1216-1219.	2.9	57
279	Ion Heating and High-Energy-Particle Production by Ion-Cyclotron Heating in the Large Helical Device. Physical Review Letters, 2000, 85, 4530-4533.	2.9	40
280	Thermal transport barrier in heliotron-type devices (Large Helical Device and Compact Helical System). Physics of Plasmas, 2000, 7, 1802-1808.	0.7	11
281	The neoclassical "Electron Root" feature in the Wendelstein-7-AS stellarator. Physics of Plasmas, 2000, 7, 295-311.	0.7	106
282	Initial ICRF heating experiments on the LHD. , 1999, , .		1
283	RF experiments in LHD. , 1999, , .		3
284	Experiments on NBI plasmas in LHD. Plasma Physics and Controlled Fusion, 1999, 41, B157-B166.	0.9	29
285	Plasma confinement studies in LHD. Nuclear Fusion, 1999, 39, 1659-1666.	1.6	28
286	Effect of energetic ion loss on ICRF heating efficiency and energy confinement time in heliotrons. Nuclear Fusion, 1999, 39, 1165-1173.	1.6	16
287	Confinement physics study in a small low aspect ratio helical device: CHS. Nuclear Fusion, 1999, 39, 1337-1350.	1.6	49
288	Physics issues in the LHD plasma. Plasma Physics and Controlled Fusion, 1999, 41, A267-A272.	0.9	4

#	ARTICLE	IF	CITATIONS
289	Overview of the Large Helical Device project. Nuclear Fusion, 1999, 39, 1245-1256.	1.6	270
290	Escaping fast ion diagnostics in compact helical system heliotron/torsatron. Review of Scientific Instruments, 1999, 70, 827-830.	0.6	51
291	Initial physics achievements of large helical device experiments. Physics of Plasmas, 1999, 6, 1843-1850.	0.7	176
292	A new $\delta$ method for neoclassical transport studies. Plasma Physics and Controlled Fusion, 1999, 41, 1091-1108.	0.9	73
293	High-temperature mechanical properties of hot-pressed TiN with fine grain size. Journal of Materials Science, 1998, 33, 2047-2052.	1.7	23
294	Nonlinear collisional monte carlo simulations for high-temperature SOL plasma. European Physical Journal D, 1998, 48, 137-146.	0.4	0
295	Electromagnetic Effects on Rippling Instability and Tokamak Edge Fluctuations. Journal of the Physical Society of Japan, 1998, 67, 3429-3436.	0.7	2
296	Strong electron heating in CHS ICRF heating experiments. Nuclear Fusion, 1997, 37, 53-68.	1.6	28
297	Cooling effect of secondary electrons in high temperature divertor operation. Nuclear Fusion, 1997, 37, 1445-1453.	1.6	5
298	RF heating experiments in CHS and RF development for LHD. , 1997, , .		1
299	Fabrication of negative-ion-based neutral beam injector for large helical devices. AIP Conference Proceedings, 1996, , .	0.3	2
300	Large Helical Device (LHD) program. Journal of Fusion Energy, 1996, 15, 7-153.	0.5	67
301	Vector Implementation of Nonlinear Monte Carlo Coulomb Collisions. Journal of Computational Physics, 1996, 128, 209-222.	1.9	14
302	A Monte Carlo model for velocity space effects in low recycling scrape-off layer plasmas. Nuclear Fusion, 1996, 36, 1633-1646.	1.6	3
303	Orbital aspects of reachable beta value in NBI heated heliotron/torsatrons. Nuclear Fusion, 1996, 36, 359-365.	1.6	9
304	Efficiencies of the ion cyclotron range of frequency minority heating in the compact helical system and large helical device plasmas. Fusion Engineering and Design, 1995, 26, 209-216.	1.0	7
305	Finite $\hat{I}^2$ Effects on the ICRF and NBI Heating in the Large Helical Device. Fusion Science and Technology, 1995, 27, 256-259.	0.6	121
306	Possibility of simulation experiments for fast particle physics in the Large Helical Device (LHD). Nuclear Fusion, 1995, 35, 1563-1570.	1.6	7

#	ARTICLE	IF	CITATIONS
307	Study of ICRF minority heating in a helical system. AIP Conference Proceedings, 1994, , .	0.3	0
308	Monte Carlo simulation study of ICRF minority heating in the Large Helical Device. Nuclear Fusion, 1994, 34, 913-925.	1.6	23
309	A Description of a D- <sup>3</sup> He Fusion Reactor Based on a Dipole Magnetic Field. Fusion Science and Technology, 1992, 22, 27-34.	0.6	10
310	Macroscale Particle Simulation of Externally Driven Magnetic Reconnection. Journal of the Physical Society of Japan, 1992, 61, 849-862.	0.7	3
311	Nonadiabatic behavior of the magnetic moment of a charged particle in a dipole magnetic field. Physics of Fluids B, 1990, 2, 715-724.	1.7	10
312	Development of stochastic webs in a wave-driven linear oscillator. Physica D: Nonlinear Phenomena, 1988, 32, 269-276.	1.3	7
313	Mechanochemical polymerization of acetylene. Journal of Applied Polymer Science, 1984, 29, 3445-3455.	1.3	7
314	Current Status of Large Helical Device and Its Prospect for Deuterium Experiment. Fusion Science and Technology, 0, , 1-12.	0.6	36
315	Parallel flow driven by electron cyclotron heating in the Helically Symmetric Experiment. Nuclear Fusion, 0, , .	1.6	0