

# Katsunobu Nishihara

## 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.

315  
papers

7,427  
citations

45  
h-index

74  
g-index

372  
ext. papers

7,901  
ext. citations

2.5  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
315	Nonlinear interaction between bulk point vortices and an unstable interface with nonuniform velocity shear such as Richtmyer-Meshkov instability. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 052305	2.1	5
314	Laser-driven generation of collimated quasi-monoenergetic proton beam using double-layer target with modulated interface. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100844	1.2	1
313	Linear and nonlinear interactions between an interface and bulk vortices in Richtmyer-Meshkov instability. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 112301	2.1	2
312	Nonlinear interfacial motion in magnetohydrodynamic flows. <i>High Energy Density Physics</i> , <b>2019</b> , 31, 19-23.	2.2	5
311	Generation of collimated quasi-mono-energetic ion beams using a double layer target with interface modulations <b>2019</b> ,		1
310	Modeling of Ablation of the Target Material for the Plasma for Coherent and Incoherent EUV Sources. <i>Springer Proceedings in Physics</i> , <b>2018</b> , 373-376	0.2	
309	3 $\times$ 10 <sup>8</sup> D-D Neutron Generation by High-Intensity Laser Irradiation onto the Inner Surface of Spherical CD Shells. <i>Plasma and Fusion Research</i> , <b>2018</b> , 13, 2401028-2401028	0.5	
308	Nonlinear Dynamics of Non-uniform Current-Vortex Sheets in Magnetohydrodynamic Flows. <i>Journal of Nonlinear Science</i> , <b>2017</b> , 27, 531-572	2.8	12
307	Time-resolved two-dimensional profiles of electron density and temperature of laser-produced tin plasmas for extreme-ultraviolet lithography light sources. <i>Scientific Reports</i> , <b>2017</b> , 7, 12328	4.9	17
306	A numerical model for investigation of emission of particle debris from laser-irradiated metal targets. <i>AIP Advances</i> , <b>2017</b> , 7, 095005	1.5	
305	Production of intense, pulsed, and point-like neutron source from deuterated plastic cavity by mono-directional kilo-joule laser irradiation. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 233506	3.4	8
304	Modeling of initial interaction between the laser pulse and Sn droplet target and pre-plasma formation for the LPP EUV source <b>2016</b> ,		1
303	Nonlinear motion of a current-vortex sheet in MHD Richtmyer-Meshkov instability. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012063	0.3	1
302	Laser ion acceleration and neutron source in short-pulse solid- nanoparticle interaction. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012076	0.3	
301	Efficient neutron generation from solid-nanoparticle explosions driven by DPSSL-pumped high-repetition rate femtosecond laser pulse. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012125	0.3	2
300	Atomic processes and equation of state of high Z plasmas for EUV sources and their effects on the spatial and temporal evolution of the plasmas. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012099	0.3	
299	Investigation of the ionization balance of bismuth-to-tin plasmas for the extreme ultraviolet light source based on a computer-generated collisional radiative model. <i>AIP Advances</i> , <b>2016</b> , 6, 105002	1.5	6

298	Nonlinear motion of non-uniform current-vortex sheets in magnetohydrodynamic flows. <i>Fluid Dynamics Research</i> , <b>2014</b> , 46, 031416	1.2	1
297	Utilization of rock-like oxide fuel in the phase-out scenario. <i>Journal of Nuclear Science and Technology</i> , <b>2014</b> , 51, 150-165	1	5
296	Prepulse and amplified spontaneous emission effects on the interaction of a petawatt class laser with thin solid targets. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 745, 150-163	1.2	38
295	Critical magnetic field strength for suppression of the Richtmyer-Meshkov instability in plasmas. <i>Physical Review Letters</i> , <b>2013</b> , 111, 205001	7.4	39
294	Present status of fast ignition realization experiment and inertial fusion energy development. <i>Nuclear Fusion</i> , <b>2013</b> , 53, 104021	3.3	21
293	EUV spectra of Xe xviiiXe xxi produced in charge-exchange collisions. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	1
292	MAGNETIC FIELD AMPLIFICATION ASSOCIATED WITH THE RICHTMYER-MESHKOV INSTABILITY. <i>Astrophysical Journal</i> , <b>2012</b> , 758, 126	4.7	62
291	Charge-state-specific EUV spectra of Xe ions. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 082052	0.3	
290	Modeling of Atomic Processes of Multiple Charged Ions in Plasmas and Its Application to the Study of EUV Light Sources. <i>Plasma and Fusion Research</i> , <b>2011</b> , 6, 2401145-2401145	0.5	
289	EUV emission spectra of iron ions following charge exchange collisions with He. <i>Physica Scripta</i> , <b>2011</b> , T144, 014030	2.6	
288	Configuration interaction in charge exchange spectra of tin and xenon. <i>Physica Scripta</i> , <b>2011</b> , T144, 014026	0.6	2
287	Verification of high-energy transport codes on the basis of activation data. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	16
286	Theoretical investigation of the spectrum and conversion efficiency of short wavelength extreme-ultraviolet light sources based on terbium plasmas. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 231501	3.4	16
285	Richtmyer-Meshkov instability: theory of linear and nonlinear evolution. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 1769-807	3	91
284	Laser-produced plasmas as unique x-ray sources for industry and astrophysics. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 012001	0.3	3
283	EUV emission spectra in collisions of multiply charged Sn ions with He and Xe. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 065204	1.3	34
282	Modeling of radiative properties of Sn plasmas for extreme-ultraviolet source. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 113303	2.5	32
281	Physics and Future of the Laser Pumped Plasma XUV Sources. <i>The Review of Laser Engineering</i> , <b>2010</b> , 38, 969-975	0	

280	Low-threshold ablation of dielectrics irradiated by picosecond soft x-ray laser pulses. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 231107	3.4	39
279	Transitions and the effects of configuration interaction in the spectra of Sn XVSn XVIII. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	40
278	Identification of 4d $\pi$ transitions in the spectra of Sn XVSn XIX recorded from collisions between Sn ions and He. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2009</b> , 42, 165207	1.3	12
277	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , <b>2009</b> , 49, 104024	3.3	41
276	Atomic processes in the LPP and LA-DPP EUV sources <b>2009</b> ,		2
275	Spallative Ablation of Metals and Dielectrics. <i>Contributions To Plasma Physics</i> , <b>2009</b> , 49, 455-466	1.4	27
274	Two-temperature relaxation and melting after absorption of femtosecond laser pulse. <i>Applied Surface Science</i> , <b>2009</b> , 255, 9712-9716	6.7	73
273	Atomic modeling of the plasma EUV sources. <i>High Energy Density Physics</i> , <b>2009</b> , 5, 147-151	1.2	8
272	Molecular dynamics simulation of femtosecond ablation and spallation with different interatomic potentials. <i>Applied Surface Science</i> , <b>2009</b> , 255, 9592-9596	6.7	146
271	Complementary spectroscopy of tin ions using ion and electron beams. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 163, 012071	0.3	7
270	The atomic model of the Sn plasmas for the EUV source. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 163, 012107	0.3	5
269	Vacuum ultraviolet spectra in charge transfer collisions of multiply charged Sn ions. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 163, 012053	0.3	
268	Laser Production of Extreme Ultraviolet Light Source for the Next Generation Lithography Application. <i>Plasma and Fusion Research</i> , <b>2009</b> , 4, 048-048	0.5	1
267	Advanced Target Design for the FIREX-I Project. <i>Plasma and Fusion Research</i> , <b>2009</b> , 4, S1001-S1001	0.5	1
266	New mechanism of the formation of the nanorelief on a surface irradiated by a femtosecond laser pulse. <i>JETP Letters</i> , <b>2008</b> , 87, 423-427	1.2	48
265	Tin laser-produced plasma source modeling at 13.5nm for extreme ultraviolet lithography. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 151501	3.4	15
264	Theoretical and experimental study of hydrodynamics of metal target irradiated by ultrashort laser pulse <b>2008</b> ,		8
263	Plasma physics and radiation hydrodynamics in developing an extreme ultraviolet light source for lithography). <i>Physics of Plasmas</i> , <b>2008</b> , 15, 056708	2.1	110

262	Two dimensional radiation hydrodynamic simulation for extreme ultra-violet emission from laser-produced tin plasmas. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042048	0.3	19
261	EUV spectroscopy of Xe ions from the large helical device at the National Institute for Fusion Science for stable plasmas and plasmas undergoing radiation collapse. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2008</b> , 41, 035703	1.3	14
260	Equation of state of matter irradiated by short laser pulse and geometry of spalled cupola <b>2008</b> ,		5
259	Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. <i>Laser and Particle Beams</i> , <b>2008</b> , 26, 497-501	0.9	8
258	Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 293-296	1.4	7
257	Pure-tin microdroplets irradiated with double laser pulses for efficient and minimum-mass extreme-ultraviolet light source production. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 241502	3.4	67
256	Absolute evaluation of out-of-band radiation from laser-produced tin plasmas for extreme ultraviolet lithography. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 111503	3.4	23
255	Multi-mode character of the nonlinear dynamics of a vortex sheet in Rayleigh-Taylor and Richtmyer-Meshkov instabilities. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022020	0.3	1
254	Laser ablation and spallation of crystalline aluminum simulated by molecular dynamics. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042080	0.3	12
253	3D PIC simulation of ion debris mitigation by B-field for LPP-EUV source. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042061	0.3	1
252	EUV source design flexibility for lithography. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042065	0.3	1
251	Feasibility of Lead-Bismuth-Cooled Accelerator-Driven System for Minor-Actinide Transmutation. <i>Nuclear Technology</i> , <b>2008</b> , 161, 315-328	1.4	19
250	Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions <b>2008</b> ,		6
249	EUV light source by high power laser. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042047	0.3	6
248	Optimum laser-produced plasma for extreme ultraviolet light source. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042049	0.3	3
247	High energy electron transport in dense plasma in fast ignition scenario. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022090	0.3	
246	Modeling of the Atomic Processes and Photo Emission of the Plasmas for the EUV Source. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 1132-1135	0	1
245	Neutral Debris Mitigation in Laser Produced Extreme Ultraviolet Light Source by the Use of Minimum-Mass Tin Target. <i>Applied Physics Express</i> , <b>2008</b> , 1, 056001	2.4	17

244	Multi-Species Ion Acceleration in Expansion of Finite-Size Plasma Targets. <i>Plasma and Fusion Research</i> , <b>2008</b> , 3, 035-035	0.5	
243	e-Science in high energy density science research. <i>Fusion Engineering and Design</i> , <b>2008</b> , 83, 525-529	1.7	1
242	Interaction of short laser pulses with metals at moderate intensities. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 92, 939-943	2.6	30
241	Thresholds for front-side ablation and rear-side spallation of metal foil irradiated by femtosecond laser pulse. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 92, 797-801	2.6	42
240	Nanospallation induced by an ultrashort laser pulse. <i>Journal of Experimental and Theoretical Physics</i> , <b>2008</b> , 107, 1-19	1	71
239	Optimization of Extreme Ultraviolet Emission from Laser-Produced Tin Plasmas Based on Radiation Hydrodynamics Simulations. <i>Plasma and Fusion Research</i> , <b>2008</b> , 3, 043-043	0.5	27
238	Development of Extreme-Ultraviolet Light Source by Laser-Produced Plasma. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 1125-1128	0	2
237	Atomic Model and Optimization of EUV Light Source. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 690-699	0	
236	Extreme Ultraviolet (EUV) Radiation from Punched-Out Target. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 736-741	0	
235	Simulation of the expansion of a crystal heated by an ultrashort laser pulse. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6390-6393	6.7	12
234	Dynamics of plume and crater formation after action of femtosecond laser pulse. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6276-6282	6.7	50
233	Atomic modeling of the plasma EUV sources. <i>High Energy Density Physics</i> , <b>2007</b> , 3, 250-255	1.2	8
232	4d-4f unresolved transition arrays of xenon and tin ions in charge exchange collisions. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 58, 231-234	0.3	17
231	Development of Punched-Out Target to Generate Extreme Ultraviolet (EUV) Light. <i>Fusion Science and Technology</i> , <b>2007</b> , 51, 769-771	1.1	2
230	Charge exchange spectroscopy in Sn <sup>q+</sup> (q= 6-15)-He collisions. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 58, 235-238	0.3	18
229	Nanospallation induced by a femtosecond laser pulse <b>2007</b> ,		3
228	MCDF calculations for EUV-emissions of 4d-open shell ions based on the features of non-local exchange integrals. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 58, 157-160	0.3	2
227	RCI Simulation for EUV spectra from Sn ions. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 58, 149-152	0.3	2

226	Numerical Simulation of the Expansion into Vacuum of a Crystal Heated by an Ultrashort Laser Pulse <b>2007</b> , 1-16		4
225	Effects of Relativistic Thermal Velocity Spread of Beam on Electromagnetic Instabilities in Fast Ignition. <i>Plasma and Fusion Research</i> , <b>2007</b> , 2, 049-049	0.5	1
224	Radiative Properties and Hydrodynamics of Laser Produced Tin Plasma for Efficient Extreme Ultraviolet Light Source <b>2007</b> , 607-618		
223	Fabrication of Low-Density Solid Xenon as Laser-Produced Plasma Extreme Ultraviolet Source. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L884-L886	1.4	2
222	Atomistic Dynamics of the Richtmyer-Meshkov Instability in Cylindrical and Planar Geometries. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	8
221	Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 161501	3.4	55
220	Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO <sub>2</sub> targets. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 094102	3.4	21
219	Multiscale character of the nonlinear coherent dynamics in the Rayleigh-Taylor instability. <i>Physical Review E</i> , <b>2006</b> , 73, 036310	2.4	23
218	Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 151501	3.4	54
217	Vortex core dynamics and singularity formations in incompressible Richtmyer-Meshkov instability. <i>Physical Review E</i> , <b>2006</b> , 73, 026304	2.4	36
216	Analytical and numerical study on a vortex sheet in incompressible Richtmyer-Meshkov instability in cylindrical geometry. <i>Physical Review E</i> , <b>2006</b> , 74, 066303	2.4	27
215	Fully nonlinear evolution of a cylindrical vortex sheet in incompressible Richtmyer-Meshkov instability. <i>Physical Review E</i> , <b>2006</b> , 73, 055304	2.4	19
214	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas <b>2006</b> , 6151, 1051		6
213	Analysis of the emission spectrum of Xe and Sn <b>2006</b> ,		9
212	Self-consistent Monte Carlo simulation of particle motion and photon transport in the Argon positive column. <i>Journal of Plasma Physics</i> , <b>2006</b> , 72, 1005	2.7	2
211	Ablated matter expansion and crater formation under the action of ultrashort laser pulse. <i>Journal of Experimental and Theoretical Physics</i> , <b>2006</b> , 103, 183-197	1	27
210	Properties of ion debris emitted from laser-produced mass-limited tin plasmas for extreme ultraviolet light source applications. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 241503	3.4	68
209	Characterization of density profile of laser-produced Sn plasma for 13.5nm extreme ultraviolet source. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 201501	3.4	30



208	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 051501	3.4	93
207	Ion energy spectrum of expanding laser-plasma with limited mass. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 062706	2.1	64
206	Preparation of Low-Density Macrocellular Tin Dioxide Foam with Variable Window Size. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1115-1122	9.6	30
205	Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. <i>Physical Review Letters</i> , <b>2005</b> , 95, 235004	7.4	119
204	Evaluation of tin-foil targets for debris mitigation in laser generated EUV source <b>2005</b> , 5751, 815		2
203	Target fabrication of low-density and nanoporous tin oxide as laser targets to generate extreme ultraviolet <b>2005</b> , 5751, 867		1
202	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets <b>2005</b> ,		7
201	EUV emission spectra from excited multiply charged xenon ions produced in charge-transfer collisions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 235, 331-336	1.2	23
200	Multi-electron correlations in atomic or ionic excited states. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2005</b> , 144-147, 1227-1228	1.7	10
199	Coulomb explosion of hexa-fluorobenzene induced by an intense laser field. <i>Chemical Physics Letters</i> , <b>2005</b> , 404, 379-383	2.5	16
198	A new dynamical domain decomposition method for parallel molecular dynamics simulation <b>2005</b> ,		13
197	Characterization of extreme ultraviolet emission using the fourth harmonic of a Nd:YAG laser. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 181107	3.4	35
196	Dynamic imaging of 13.5 nm extreme ultraviolet emission from laser-produced Sn plasmas. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 241502	3.4	13
195	Temperature-Dependent EUV Spectra of Xenon Plasmas Observed in the Compact Helical System. <i>Journal of Plasma and Fusion Research</i> , <b>2005</b> , 81, 480-481		3
194	Suppression of the Rayleigh-Taylor instability and its implication for the impact ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2004</b> , 46, B245-B254	2	6
193	Monochromatic imaging and angular distribution measurements of extreme ultraviolet light from laser-produced Sn and SnO <sub>2</sub> plasmas. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1919-1921	3.4	29
192	Generation of high-energy protons from the Coulomb explosion of hydrogen clusters by intense femtosecond laser pulses. <i>Physical Review A</i> , <b>2004</b> , 69,	2.6	69
191	Normal velocity freeze-out of the Richtmyer-Meshkov instability when a shock is reflected. <i>Physical Review E</i> , <b>2004</b> , 70, 026305	2.4	7



190	Suppression of Rayleigh-Taylor instability due to radiative ablation in brominated plastic targets. <i>Physics of Plasmas</i> , <b>2004</b> , 11, 2814-2822	2.1	28
189	Effect of the satellite lines and opacity on the extreme ultraviolet emission from high-density Xe plasmas. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5857-5859	3.4	36
188	Production of ion beams in high-power laser-plasma interactions and their applications. <i>Laser and Particle Beams</i> , <b>2004</b> , 22, 19-24	0.9	21
187	Feasibility of Using Laser Ion Accelerators in Proton Therapy. <i>AIP Conference Proceedings</i> , <b>2004</b> ,	0	25
186	Simulation of the EUV spectrum of Xe and Sn plasmas. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2004</b> , 10, 1307-1314	3.8	22
185	Present Status and Future Prospects of Laser Fusion Research at ILE Osaka University. <i>Plasma Science and Technology</i> , <b>2004</b> , 6, 2179-2184	1.5	2
184	Suppression of the Rayleigh-Taylor instability due to self-radiation in a multiablation target. <i>Physical Review Letters</i> , <b>2004</b> , 92, 195001	7.4	67
183	Ion generation in a low-density plastic foam by interaction with intense femtosecond laser pulses. <i>Physical Review E</i> , <b>2004</b> , 69, 026401	2.4	39
182	Soliton synchrotron afterglow in a laser plasma. <i>Physical Review Letters</i> , <b>2004</b> , 92, 255001	7.4	28
181	Self-Similar Gravitational Collapse of Radiatively Cooling Spheres. <i>Astrophysical Journal</i> , <b>2004</b> , 607, 879-889	1.7	5
180	Estimation of emission efficiency for laser-produced EUV plasmas <b>2004</b> ,		5
179	Dependence of EUV emission properties on laser wavelength <b>2004</b> ,		3
178	Simulations on laser ablation and its applications <b>2004</b> ,		2
177	Properties of EUV emissions from laser-produced tin plasmas <b>2004</b> , 5374, 912		5
176	Theoretical simulation of extreme UV radiation source for lithography <b>2004</b> , 5374, 405		2
175	Study on EUV emission properties of laser-produced plasma at ILE, Osaka <b>2004</b> ,		6
174	Characterization of Extreme UV Radiation from Laser Produced Spherical Tin Plasmas for Use in Lithography. <i>Journal of Plasma and Fusion Research</i> , <b>2004</b> , 80, 325-330		10
173	Laser Produced Plasma for EUV Light Source For Lithography. <i>The Review of Laser Engineering</i> , <b>2004</b> , 32, 330-336	0	2

172	Advances in Plasma and Fusion Simulation and Prospects for the Future Progress of Laser Fusion Simulations and Network Computing. <i>Journal of Plasma and Fusion Research</i> , <b>2004</b> , 80, 396-400		
171	Suppression of Rayleigh-Taylor Instability Using High-Z Doped Plastic Targets for Inertial Fusion Energy. <i>Journal of Plasma and Fusion Research</i> , <b>2004</b> , 80, 597-604		
170	Features of Radiation Hydrodynamics in LPP-EUV Light Source Plasmas. <i>The Review of Laser Engineering</i> , <b>2004</b> , 32, 769-778	0	
169	Spatial Coherence Measurement of 13.9 nm Ni-like Ag Soft X-Ray Laser Pumped by a 1.5 ps, 20 J Laser. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 443-448	1.4	7
168	Single-event high-compression inertial confinement fusion at low temperatures compared with two-step fast ignitor. <i>Journal of Plasma Physics</i> , <b>2003</b> , 69, 413-429	2.7	10
167	Numerical Simulation of Non-spherical Implosion Related to Fast Ignition. <i>AIP Conference Proceedings</i> , <b>2003</b> ,	0	5
166	Rayleigh-Taylor and Richtmyer-Meshkov instabilities for fluids with a finite density ratio. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 317, 470-476	2.3	66
165	Destruction of a solid film under the action of ultrashort laser pulse. <i>JETP Letters</i> , <b>2003</b> , 77, 606-610	1.2	43
164	Nondrifting relativistic electromagnetic solitons in plasmas. <i>Laser and Particle Beams</i> , <b>2003</b> , 21, 541-544	0.9	6
163	Vortex structures and turbulence emerging in a supernova 1987a configuration: Interactions of complex blast waves and cylindrical/spherical bubbles. <i>Laser and Particle Beams</i> , <b>2003</b> , 21, 471-477	0.9	6
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