

Katsunobu Nishihara

List of Publications by Year in descending order

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364
papers

8,557
citations

41344

49
h-index

64796

79
g-index

372
all docs

372
docs citations

372
times ranked

3778
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-resolved measurement of radical populations in extreme-ultraviolet-light-induced hydrogen plasma. <i>Applied Physics Express</i> , 2022, 15, 036002.	2.4	3
2	Linear and nonlinear interactions between an interface and bulk vortices in Richtmyer–Meshkov instability. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	6
3	Nonlinear interaction between bulk point vortices and an unstable interface with nonuniform velocity shear such as Richtmyer–Meshkov instability. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	7
4	Laser-driven generation of collimated quasi-monoenergetic proton beam using double-layer target with modulated interface. <i>High Energy Density Physics</i> , 2020, 36, 100844.	1.5	7
5	Nonlinear interfacial motion in magnetohydrodynamic flows. <i>High Energy Density Physics</i> , 2019, 31, 19-23.	1.5	7
6	Generation of collimated quasi-mono-energetic ion beams using a double layer target with interface modulations. , 2019, , .		1
7	Modeling of Ablation of the Target Material for the Plasma for Coherent and Incoherent EUV Sources. <i>Springer Proceedings in Physics</i> , 2018, , 373-376.	0.2	0
8	$3\text{--}10\text{--}8$ D-D Neutron Generation by High-Intensity Laser Irradiation onto the Inner Surface of Spherical CD Shells. <i>Plasma and Fusion Research</i> , 2018, 13, 2401028-2401028.	0.7	0
9	Nonlinear Dynamics of Non-uniform Current-Vortex Sheets in Magnetohydrodynamic Flows. <i>Journal of Nonlinear Science</i> , 2017, 27, 531-572.	2.1	15
10	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> , 2017, 7, 12328.	3.3	31
11	A numerical model for investigation of emission of particle debris from laser-irradiated metal targets. <i>AIP Advances</i> , 2017, 7, 095005.	1.3	0
12	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> , 2017, 111, 233506.	3.3	10
13	Nonlinear motion of a current-vortex sheet in MHD Richtmyer-Meshkov instability. <i>Journal of Physics: Conference Series</i> , 2016, 688, 012063.	0.4	1
14	Laser ion acceleration and neutron source in short-pulse solid- nanoparticle interaction. <i>Journal of Physics: Conference Series</i> , 2016, 688, 012076.	0.4	0
15	Efficient neutron generation from solid-nanoparticle explosions driven by DPSSL-pumped high-repetition rate femtosecond laser pulse. <i>Journal of Physics: Conference Series</i> , 2016, 688, 012125.	0.4	2
16	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> , 2016, 688, 012099.	0.4	2
17	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> , 2016, 6, 105002.	1.3	7
18	Modeling of initial interaction between the laser pulse and Sn droplet target and pre-plasma formation for the LPP EUV source. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1

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19	Utilization of rock-like oxide fuel in the phase-out scenario. Journal of Nuclear Science and Technology, 2014, 51, 150-165.	1.3	5
20	Prepulse and amplified spontaneous emission effects on the interaction of a petawatt class laser with thin solid targets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 745, 150-163.	1.6	46
21	Nonlinear motion of non-uniform current-vortex sheets in magnetohydrodynamic flows. Fluid Dynamics Research, 2014, 46, 031416.	1.3	2
22	Critical Magnetic Field Strength for Suppression of the Richtmyer-Meshkov Instability in Plasmas. Physical Review Letters, 2013, 111, 205001.	7.8	53
23	Present status of fast ignition realization experiment and inertial fusion energy development. Nuclear Fusion, 2013, 53, 104021.	3.5	27
24	EUV spectra of Xe Xe^{20+} produced in charge-exchange collisions. Physical Review A, 2012, 85, .	2.5	1
25	MAGNETIC FIELD AMPLIFICATION ASSOCIATED WITH THE RICHTMYER-MESHKOV INSTABILITY. Astrophysical Journal, 2012, 758, 126.	4.5	70
26	Charge-state-specific EUV spectra of Xe ions. Journal of Physics: Conference Series, 2012, 388, 082052.	0.4	0
27	Modeling of Atomic Processes of Multiple Charged Ions in Plasmas and Its Application to the Study of EUV Light Sources. Plasma and Fusion Research, 2011, 6, 2401145-2401145.	0.7	0
28	EUV emission spectra of iron ions following charge exchange collisions with He. Physica Scripta, 2011, T144, 014030.	2.5	0
29	Configuration interaction in charge exchange spectra of tin and xenon. Physica Scripta, 2011, T144, 014026.	2.5	3
30	Verification of high-energy transport codes on the basis of activation data. Physical Review C, 2011, 84, .	2.9	19
31	Charge-exchange EUV spectroscopy in collisions of Xe Xe^{20+} with rare gases. Physical Review A, 2011, 84, .	2.5	1
32	Modeling of atomic and plasmas processes in the LPP and LA-DPP EUV source. Proceedings of SPIE, 2010, , .	0.8	0
33	Present status and future prospect of Fast Ignition Realization Experiment (FIREX) Project at ILE, Osaka. , 2010, , .		1
34	Physics and Future of the Laser Pumped Plasma XUV Sources. The Review of Laser Engineering, 2010, 38, 969-975.	0.0	0
35	Theoretical investigation of the spectrum and conversion efficiency of short wavelength extreme-ultraviolet light sources based on terbium plasmas. Applied Physics Letters, 2010, 97, 231501.	3.3	18
36	Richtmyer-Meshkov instability: theory of linear and nonlinear evolution. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 1769-1807.	3.4	112

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37	Laser-produced plasmas as unique x-ray sources for industry and astrophysics. Journal of Physics: Conference Series, 2010, 244, 012001.	0.4	4
38	EUV emission spectra in collisions of multiply charged Sn ions with He and Xe. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 065204.	1.5	42
39	Modeling of radiative properties of Sn plasmas for extreme-ultraviolet source. Journal of Applied Physics, 2010, 107, .	2.5	46
40	Low-threshold ablation of dielectrics irradiated by picosecond soft x-ray laser pulses. Applied Physics Letters, 2009, 94, 231107.	3.3	50
41	Transitions and the effects of configuration interaction in the spectra of Sn XV–Sn XVIII. Physical Review A, 2009, 79, .	2.5	44
42	Identification of 4d–5p transitions in the spectra of Sn XV–Sn XIX recorded from collisions between Sn ions and He. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 165207.	1.5	12
43	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 104024.	3.5	45
44	Atomic processes in the LPP and LA-DPP EUV sources. , 2009, , .		2
45	Spallative Ablation of Metals and Dielectrics. Contributions To Plasma Physics, 2009, 49, 455-466.	1.1	31
46	Two-temperature relaxation and melting after absorption of femtosecond laser pulse. Applied Surface Science, 2009, 255, 9712-9716.	6.1	87
47	Atomic modeling of the plasma EUV sources. High Energy Density Physics, 2009, 5, 147-151.	1.5	11
48	Molecular dynamics simulation of femtosecond ablation and spallation with different interatomic potentials. Applied Surface Science, 2009, 255, 9592-9596.	6.1	184
49	Low threshold spallative ablation of large bandgap LiF dielectrics induced by picosecond soft X-ray laser pulses. , 2009, , .		0
50	Complementary spectroscopy of tin ions using ion and electron beams. Journal of Physics: Conference Series, 2009, 163, 012071.	0.4	7
51	The atomic model of the Sn plasmas for the EUV source. Journal of Physics: Conference Series, 2009, 163, 012107.	0.4	5
52	Vacuum ultraviolet spectra in charge transfer collisions of multiply charged Sn ions. Journal of Physics: Conference Series, 2009, 163, 012053.	0.4	1
53	Laser Production of Extreme Ultraviolet Light Source for the Next Generation Lithography Application. Plasma and Fusion Research, 2009, 4, 048-048.	0.7	3
54	Advanced Target Design for the FIREX-I Project. Plasma and Fusion Research, 2009, 4, S1001-S1001.	0.7	1

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55	e-Science in high energy density science research. Fusion Engineering and Design, 2008, 83, 525-529.	1.9	1
56	Interaction of short laser pulses with metals at moderate intensities. Applied Physics A: Materials Science and Processing, 2008, 92, 939-943.	2.3	33
57	Thresholds for front-side ablation and rear-side spallation of a metal foil irradiated by femtosecond laser pulse. Applied Physics A: Materials Science and Processing, 2008, 92, 797-801.	2.3	45
58	Nanospallation induced by an ultrashort laser pulse. Journal of Experimental and Theoretical Physics, 2008, 107, 1.	0.9	75
59	New mechanism of the formation of the nanorelief on a surface irradiated by a femtosecond laser pulse. JETP Letters, 2008, 87, 423-427.	1.4	52
60	Tin laser-produced plasma source modeling at 13.5nm for extreme ultraviolet lithography. Applied Physics Letters, 2008, 92, 151501.	3.3	23
61	Theoretical and experimental study of hydrodynamics of metal target irradiated by ultrashort laser pulse. , 2008, , .		11
62	Plasma physics and radiation hydrodynamics in developing an extreme ultraviolet light source for lithography. Physics of Plasmas, 2008, 15, .	1.9	126
63	Two dimensional radiation hydrodynamic simulation for extreme ultra-violet emission from laser-produced tin plasmas. Journal of Physics: Conference Series, 2008, 112, 042048.	0.4	21
64	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. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 035703.	1.5	18
65	Equation of state of matter irradiated by short laser pulse and geometry of spalled cupola. Proceedings of SPIE, 2008, , .	0.8	5
66	Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. Laser and Particle Beams, 2008, 26, 497-501.	1.0	9
67	Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. Japanese Journal of Applied Physics, 2008, 47, 293-296.	1.5	7
68	Pure-tin microdroplets irradiated with double laser pulses for efficient and minimum-mass extreme-ultraviolet light source production. Applied Physics Letters, 2008, 92, .	3.3	85
69	Absolute evaluation of out-of-band radiation from laser-produced tin plasmas for extreme ultraviolet lithography. Applied Physics Letters, 2008, 92, .	3.3	31
70	Multi-mode character of the nonlinear dynamics of a vortex sheet in Rayleigh-Taylor and Richtmyer-Meshkov instabilities. Journal of Physics: Conference Series, 2008, 112, 022020.	0.4	1
71	Laser ablation and spallation of crystalline aluminum simulated by molecular dynamics. Journal of Physics: Conference Series, 2008, 112, 042080.	0.4	17
72	3D PIC simulation of ion debris mitigation by B-field for LPP-EUV source. Journal of Physics: Conference Series, 2008, 112, 042061.	0.4	1

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73	EUV source design flexibility for lithography. Journal of Physics: Conference Series, 2008, 112, 042065.	0.4	1
74	Feasibility of Lead-Bismuth-Cooled Accelerator-Driven System for Minor-Actinide Transmutation. Nuclear Technology, 2008, 161, 315-328.	1.2	27
75	Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions. Proceedings of SPIE, 2008, , .	0.8	12
76	EUV light source by high power laser. Journal of Physics: Conference Series, 2008, 112, 042047.	0.4	10
77	Optimum laser-produced plasma for extreme ultraviolet light source. Journal of Physics: Conference Series, 2008, 112, 042049.	0.4	4
78	Low density targets for laser-produced-plasma (LPP) extreme ultraviolet light source with high-CE and toward high-repletion supply. , 2008, , .		0
79	High energy electron transport in dense plasma in fast ignition scenario. Journal of Physics: Conference Series, 2008, 112, 022090.	0.4	0
80	Modeling of the Atomic Processes and Photo Emission of the Plasmas for the EUV Source. The Review of Laser Engineering, 2008, 36, 1132-1135.	0.0	1
81	Neutral Debris Mitigation in Laser Produced Extreme Ultraviolet Light Source by the Use of Minimum-Mass Tin Target. Applied Physics Express, 2008, 1, 056001.	2.4	23
82	Multi-Species Ion Acceleration in Expansion of Finite-Size Plasma Targets. Plasma and Fusion Research, 2008, 3, 035-035.	0.7	0
83	Optimization of Extreme Ultraviolet Emission from Laser-Produced Tin Plasmas Based on Radiation Hydrodynamics Simulations. Plasma and Fusion Research, 2008, 3, 043-043.	0.7	31
84	Development of Extreme-Ultraviolet Light Source by Laser-Produced Plasma. The Review of Laser Engineering, 2008, 36, 1125-1128.	0.0	3
85	Atomic Model and Optimization of EUV Light Source. The Review of Laser Engineering, 2008, 36, 690-699.	0.0	0
86	Extreme Ultraviolet (EUV) Radiation from Punched-Out Target. The Review of Laser Engineering, 2008, 36, 736-741.	0.0	0
87	Theoretical and Experimental Databases for High Average Power EUV Light Source by Laser Produced Plasma. AIP Conference Proceedings, 2007, , .	0.4	0
88	EUV light source by high power laser. , 2007, , .		0
89	4d-4f unresolved transition arrays of xenon and tin ions in charge exchange collisions. Journal of Physics: Conference Series, 2007, 58, 231-234.	0.4	20
90	Development of "Punching-Out Target" to Generate Extreme Ultraviolet (EUV) Light. Fusion Science and Technology, 2007, 51, 769-771.	1.1	2

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91	Charge exchange spectroscopy in Sn ^{q+} (q= 6-15)-He collisions. Journal of Physics: Conference Series, 2007, 58, 235-238.	0.4	18
92	Nanospallation induced by a femtosecond laser pulse. Proceedings of SPIE, 2007, , .	0.8	3
93	MCDF calculations for EUV-emissions of 4d-open shell ions based on the features of non-local exchange integrals. Journal of Physics: Conference Series, 2007, 58, 157-160.	0.4	3
94	RCI Simulation for EUV spectra from Sn ions. Journal of Physics: Conference Series, 2007, 58, 149-152.	0.4	4
95	Numerical Simulation of the Expansion into Vacuum of a Crystal Heated by an Ultrashort Laser Pulse. , 2007, , 1-16.		5
96	Simulation of the expansion of a crystal heated by an ultrashort laser pulse. Applied Surface Science, 2007, 253, 6390-6393.	6.1	13
97	Dynamics of plume and crater formation after action of femtosecond laser pulse. Applied Surface Science, 2007, 253, 6276-6282.	6.1	56
98	Atomic modeling of the plasma EUV sources. High Energy Density Physics, 2007, 3, 250-255.	1.5	12
99	Effects of Relativistic Thermal Velocity Spread of Beam on Electromagnetic Instabilities in Fast Ignition. Plasma and Fusion Research, 2007, 2, 049-049.	0.7	1
100	Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. Applied Physics Letters, 2006, 89, 151501.	3.3	65
101	Vortex core dynamics and singularity formations in incompressible Richtmyer-Meshkov instability. Physical Review E, 2006, 73, 026304.	2.1	40
102	Analytical and numerical study on a vortex sheet in incompressible Richtmyer-Meshkov instability in cylindrical geometry. Physical Review E, 2006, 74, 066303.	2.1	30
103	Fully nonlinear evolution of a cylindrical vortex sheet in incompressible Richtmyer-Meshkov instability. Physical Review E, 2006, 73, 055304.	2.1	20
104	Progress in LPP EUV source development at Osaka University. , 2006, , .		1
105	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas. , 2006, 6151, 1051.		9
106	Analysis of the emission spectrum of Xe and Sn. , 2006, , .		9
107	Self-consistent Monte Carlo simulation of particle motion and photon transport in the Argon positive column. Journal of Plasma Physics, 2006, 72, 1005.	2.1	2
108	Ablated matter expansion and crater formation under the action of ultrashort laser pulse. Journal of Experimental and Theoretical Physics, 2006, 103, 183-197.	0.9	32

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109	Fabrication of Low-Density Solid Xenon as Laser-Produced Plasma Extreme Ultraviolet Source. Japanese Journal of Applied Physics, 2006, 45, L884-L886.	1.5	2
110	Extreme Ultraviolet Emission from Laser-Irradiated Low-Density Xe Targets. Japanese Journal of Applied Physics, 2006, 45, 5951-5953.	1.5	3
111	Atomistic Dynamics of the Richtmyer-Meshkov Instability in Cylindrical and Planar Geometries. AIP Conference Proceedings, 2006, , .	0.4	8
112	Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. Applied Physics Letters, 2006, 88, 161501.	3.3	63
113	Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO ₂ targets. Applied Physics Letters, 2006, 88, 094102.	3.3	26
114	Multiscale character of the nonlinear coherent dynamics in the Rayleigh-Taylor instability. Physical Review E, 2006, 73, 036310.	2.1	26
115	Vortex sheet model for Rayleigh-Taylor and Richtmyer-Meshkov instabilities. European Physical Journal Special Topics, 2006, 133, 171-173.	0.2	1
116	Vortex generation and deformation of the interface in three-dimensional Rayleigh-Taylor Instability. European Physical Journal Special Topics, 2006, 133, 209-212.	0.2	2
117	EUV and particle generations from laser-irradiated solid- and low-density targets. European Physical Journal Special Topics, 2006, 133, 1189-1192.	0.2	1
118	Numerical analysis of energy transport by intense resonance line in Lithium plasmas. European Physical Journal Special Topics, 2006, 133, 1185-1187.	0.2	0
119	Development of EUV light source by laser-produced plasma. European Physical Journal Special Topics, 2006, 133, 1161-1165.	0.2	1
120	Target fabrication of low-density and nanoporous materials to generate extreme ultraviolet (EUV). European Physical Journal Special Topics, 2006, 133, 875-880.	0.2	1
121	Evaluation of tin-foil targets for debris mitigation in laser generated EUV source. , 2005, 5751, 815.		2
122	Target fabrication of low-density and nanoporous tin oxide as laser targets to generate extreme ultraviolet. , 2005, 5751, 867.		1
123	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets. , 2005, , .		9
124	Estimations on high energy ions and neutral particles from LPP EUV light sources. , 2005, 5751, 789.		0
125	Modeling of the atomic processes in the laser-plasma EUV sources. , 2005, 5751, 935.		0
126	EUV emission spectra from excited multiply charged xenon ions produced in charge-transfer collisions. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 331-336.	1.4	25

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127	Multi-electron correlations in atomic or ionic excited states. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1227-1228.	1.7	10
128	Coulomb explosion of hexa-fluorobenzene induced by an intense laser field. Chemical Physics Letters, 2005, 404, 379-383.	2.6	17
129	A new dynamical domain decomposition method for parallel molecular dynamics simulation. , 2005, , .		17
130	Characterization of extreme ultraviolet emission using the fourth harmonic of a Nd:YAG laser. Applied Physics Letters, 2005, 86, 181107.	3.3	41
131	Dynamic imaging of 13.5 nm extreme ultraviolet emission from laser-produced Sn plasmas. Applied Physics Letters, 2005, 87, 241502.	3.3	18
132	Simulations on laser ablation and its applications to EUV light sources. , 2005, , .		0
133	Properties of ion debris emitted from laser-produced mass-limited tin plasmas for extreme ultraviolet light source applications. Applied Physics Letters, 2005, 87, 241503.	3.3	82
134	Characterization of density profile of laser-produced Sn plasma for 13.5nm extreme ultraviolet source. Applied Physics Letters, 2005, 86, 201501.	3.3	39
135	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. Applied Physics Letters, 2005, 86, 051501.	3.3	108
136	Ion energy spectrum of expanding laser-plasma with limited mass. Physics of Plasmas, 2005, 12, 062706.	1.9	69
137	Preparation of Low-Density Macrocellular Tin Dioxide Foam with Variable Window Size. Chemistry of Materials, 2005, 17, 1115-1122.	6.7	33
138	Opacity Effect on Extreme Ultraviolet Radiation from Laser-Produced Tin Plasmas. Physical Review Letters, 2005, 95, 235004.	7.8	146
139	Temperature-Dependent EUV Spectra of Xenon Plasmas Observed in the Compact Helical System. Journal of Plasma and Fusion Research, 2005, 81, 480-481.	0.4	3
140	Suppression of the Rayleigh-Taylor instability and its implication for the impact ignition. Plasma Physics and Controlled Fusion, 2004, 46, B245-B254.	2.1	7
141	Monochromatic imaging and angular distribution measurements of extreme ultraviolet light from laser-produced Sn and SnO ₂ plasmas. Applied Physics Letters, 2004, 85, 1919-1921.	3.3	33
142	Generation of high-energy protons from the Coulomb explosion of hydrogen clusters by intense femtosecond laser pulses. Physical Review A, 2004, 69, .	2.5	77
143	Normal velocity freeze-out of the Richtmyer-Meshkov instability when a shock is reflected. Physical Review E, 2004, 70, 026305.	2.1	8
144	Suppression of Rayleigh-Taylor instability due to radiative ablation in brominated plastic targets. Physics of Plasmas, 2004, 11, 2814-2822.	1.9	29

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145	Effect of the satellite lines and opacity on the extreme ultraviolet emission from high-density Xe plasmas. Applied Physics Letters, 2004, 85, 5857-5859.	3.3	41
146	Production of ion beams in high-power laser-plasma interactions and their applications. Laser and Particle Beams, 2004, 22, 19-24.	1.0	21
147	Experimental study on basic properties of laser-produced EUV plasmas on GEKKO-XII laser facility. , 2004, , .		0
148	Experimental study on ablative stabilization of Rayleigh-Taylor instability of laser-irradiated targets. , 2004, , .		0
149	Feasibility of Using Laser Ion Accelerators in Proton Therapy. AIP Conference Proceedings, 2004, , .	0.4	29
150	Simulation of the EUV Spectrum of Xe and Sn Plasmas. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 1307-1314.	2.9	23
151	Present Status and Future Prospects of Laser Fusion Research at ILE Osaka University. Plasma Science and Technology, 2004, 6, 2179-2184.	1.5	2
152	Suppression of the Rayleigh-Taylor Instability due to Self-Radiation in a Multiablation Target. Physical Review Letters, 2004, 92, 195001.	7.8	74
153	Ion generation in a low-density plastic foam by interaction with intense femtosecond laser pulses. Physical Review E, 2004, 69, 026401.	2.1	42
154	Soliton Synchrotron Afterglow in a Laser Plasma. Physical Review Letters, 2004, 92, 255001.	7.8	31
155	Self-Similar Gravitational Collapse of Radiatively Cooling Spheres. Astrophysical Journal, 2004, 607, 879-889.	4.5	6
156	Estimation of emission efficiency for laser-produced EUV plasmas. , 2004, , .		5
157	Dependence of EUV emission properties on laser wavelength. , 2004, , .		3
158	Simulations on laser ablation and its applications. , 2004, , .		3
159	Properties of EUV emissions from laser-produced tin plasmas. , 2004, 5374, 912.		5
160	Theoretical simulation of extreme UV radiation source for lithography. , 2004, 5374, 405.		3
161	Study on EUV emission properties of laser-produced plasma at ILE, Osaka. , 2004, , .		6
162	Characterization of Extreme UV Radiation from Laser Produced Spherical Tin Plasmas for Use in Lithography. Journal of Plasma and Fusion Research, 2004, 80, 325-330.	0.4	10

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163	Laser Produced Plasma for EUV Light Source For Lithography. The Review of Laser Engineering, 2004, 32, 330-336.	0.0	2
164	Advances in Plasma and Fusion Simulation and Prospects for the Future Progress of Laser Fusion Simulations and Network Computing. Journal of Plasma and Fusion Research, 2004, 80, 396-400.	0.4	0
165	Suppression of Rayleigh-Taylor Instability Using High-Z Doped Plastic Targets for Inertial Fusion Energy. Journal of Plasma and Fusion Research, 2004, 80, 597-604.	0.4	0
166	Features of Radiation Hydrodynamics in LPP-EUV Light Source Plasmas. The Review of Laser Engineering, 2004, 32, 769-778.	0.0	0
167	Rayleigh-Taylor and Richtmyer-Meshkov instabilities for fluids with a finite density ratio. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 470-476.	2.1	74
168	Destruction of a solid film under the action of ultrashort laser pulse. JETP Letters, 2003, 77, 606-610.	1.4	50
169	Nondrifting relativistic electromagnetic solitons in plasmas. Laser and Particle Beams, 2003, 21, 541-544.	1.0	6
170	Vortex structures and turbulence emerging in a supernova 1987a configuration: Interactions of complex blast waves and cylindrical/spherical bubbles. Laser and Particle Beams, 2003, 21, 471-477.	1.0	7
171	First observation of density profile in directly laser-driven polystyrene targets for ablative Rayleigh-Taylor instability research. Physics of Plasmas, 2003, 10, 4784-4789.	1.9	36
172	Saturation and postsaturation phenomena of Rayleigh-Taylor instability with adjacent modes. Physical Review E, 2003, 67, 026404.	2.1	6
173	Nonlinear evolution of an interface in the Richtmyer-Meshkov instability. Physical Review E, 2003, 67, 036301.	2.1	42
174	Spatial Coherence Measurement of 13.9 nm Ni-like Ag Soft X-Ray Laser Pumped by a 1.5 ps, 20 J Laser. Japanese Journal of Applied Physics, 2003, 42, 443-448.	1.5	8
175	Single-event high-compression inertial confinement fusion at low temperatures compared with two-step fast ignitor. Journal of Plasma Physics, 2003, 69, 413-429.	2.1	10
176	Laser ICF with Single Event Solution. AIP Conference Proceedings, 2003, , .	0.4	0
177	Hydrodynamic Instability Experiments on the HIPER Laser. AIP Conference Proceedings, 2003, , .	0.4	0
178	Numerical Simulation of Non-spherical Implosion Related to Fast Ignition. AIP Conference Proceedings, 2003, , .	0.4	5
179	Ablation Effects on Weakly Nonlinear Rayleigh-Taylor Instability with a Finite Bandwidth. Physical Review Letters, 2002, 89, 115001.	7.8	34
180	Coulomb explosion of benzene induced by an intense laser field. Journal of Chemical Physics, 2002, 117, 3180-3189.	3.0	43

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181	Single spatial mode experiments on initial laser imprint on direct-driven planar targets. <i>Physics of Plasmas</i> , 2002, 9, 1734-1744.	1.9	15
182	Polarization effects and anisotropy in three-dimensional relativistic self-focusing. <i>Physical Review E</i> , 2002, 65, 045402.	2.1	24
183	Effect of viscosity on destabilization of the Rayleigh–Taylor instability by thermal conductivity in a fluid. <i>Physics of Plasmas</i> , 2002, 9, 3536-3539.	1.9	1
184	Generation of high-amplitude plasma waves for particle acceleration by cross-modulated laser wake fields. <i>Physics of Plasmas</i> , 2002, 9, 3147-3153.	1.9	38
185	Relativistic interaction of ultra-short laser pulses with plasmas. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	0
186	Relativistic Electromagnetic Solitons Produced by Ultrastrong Laser Pulses in Plasmas. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	4
187	Transformation of laser radiation into post-solitons with ion acceleration. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	2
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