Shinsuke Fujioka

List of Publications by Year
in descending order

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368	5,401	94269 37	123241 61
papers	citations	h-index	g-index

373	373	373	2402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast heating scalable to laser fusion ignition. Nature, 2002, 418, 933-934.	13.7	445
2	Kilotesla Magnetic Field due to a Capacitor-Coil Target Driven by High Power Laser. Scientific Reports, 2013, 3, 1170.	1.6	246
3	Opacity Effect on Extreme Ultraviolet Radiation from Laser-Produced Tin Plasmas. Physical Review Letters, 2005, 95, 235004.	2.9	146
4	Laser-driven platform for generation and characterization of strong quasi-static magnetic fields. New Journal of Physics, 2015, 17, 083051.	1.2	130
5	Plasma physics and radiation hydrodynamics in developing an extreme ultraviolet light source for lithography. Physics of Plasmas, 2008, 15, .	0.7	126
6	X-ray astronomy in the laboratory with a miniature compact object produced by laser-driven implosion. Nature Physics, 2009, 5, 821-825.	6.5	113
7	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. Applied Physics Letters, 2005, 86, 051501.	1.5	108
8	Direct measurement of kilo-tesla level magnetic field generated with laser-driven capacitor-coil target by proton deflectometry. Applied Physics Letters, 2016, 108, .	1.5	88
9	Spectroscopic comparison between 1200groovesâˆ•mm ruled and holographic gratings of a flat-field spectrometer and its absolute sensitivity calibration using bremsstrahlung continuum. Review of Scientific Instruments, 2007, 78, 023501.	0.6	86
10	Guiding of relativistic electron beams in dense matter by laser-driven magnetostatic fields. Nature Communications, 2018, 9, 102.	5.8	86
11	Pure-tin microdroplets irradiated with double laser pulses for efficient and minimum-mass extreme-ultraviolet light source production. Applied Physics Letters, 2008, 92, .	1.5	85
12	Properties of ion debris emitted from laser-produced mass-limited tin plasmas for extreme ultraviolet light source applications. Applied Physics Letters, 2005, 87, 241503.	1.5	82
13	Magnetized fast isochoric laser heating for efficient creation of ultra-high-energy-density states. Nature Communications, 2018, 9, 3937.	5.8	75
14	Suppression of the Rayleigh-Taylor Instability due to Self-Radiation in a Multiablation Target. Physical Review Letters, 2004, 92, 195001.	2.9	74
15	Boosting laser-ion acceleration with multi-picosecond pulses. Scientific Reports, 2017, 7, 42451.	1.6	71
16	Ion energy spectrum of expanding laser-plasma with limited mass. Physics of Plasmas, 2005, 12, 062706.	0.7	69
17	Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. Applied Physics Letters, 2006, 89, 151501.	1.5	65
18	Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. Applied Physics Letters, 2006, 88, 161501.	1.5	63

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19	High-Mach number collisionless shock and photo-ionized non-LTE plasma for laboratory astrophysics with intense lasers. Plasma Physics and Controlled Fusion, 2008, 50, 124057.	0.9	60
20	Comprehensive Diagnosis of Growth Rates of the Ablative Rayleigh-Taylor Instability. Physical Review Letters, 2007, 98, 045002.	2.9	58
21	Laser-driven strong magnetostatic fields with applications to charged beam transport and magnetized high energy-density physics. Physics of Plasmas, 2018, 25, .	0.7	58
22	Fast ignition integrated experiments with Gekko and LFEX lasers. Plasma Physics and Controlled Fusion, 2011, 53, 124029.	0.9	55
23	Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field. Physics of Plasmas, 2016, 23, .	0.7	54
24	Ultrafast probing of magnetic field growth inside a laser-driven solenoid. Physical Review E, 2017, 95, 033208.	0.8	49
25	Modeling of radiative properties of Sn plasmas for extreme-ultraviolet source. Journal of Applied Physics, 2010, 107, .	1.1	46
26	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 104024.	1.6	45
27	Experimental Evidence of Impact Ignition: 100-Fold Increase of Neutron Yield by Impactor Collision. Physical Review Letters, 2009, 102, 235002.	2.9	45
28	Transitions and the effects of configuration interaction in the spectra of Sn XVâ€“Sn XVIII. Physical Review A, 2009, 79, .	1.0	44
29	Implosion hydrodynamics of fast ignition targets. Physics of Plasmas, 2005, 12, 056312.	0.7	43
30	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.	0.6	42
31	Magnetic reconnection driven by Gekko XII lasers with a Helmholtz capacitor-coil target. Physics of Plasmas, 2016, 23, .	0.7	42
32	Characterization of extreme ultraviolet emission using the fourth harmonic of a Nd:YAG laser. Applied Physics Letters, 2005, 86, 181107.	1.5	41
33	Experimental evidence of foam homogenization. Physics of Plasmas, 2012, 19, .	0.7	40
34	High-energy-density plasmas generation on GEKKO-LFEX laser facility for fast-ignition laser fusion studies and laboratory astrophysics. Plasma Physics and Controlled Fusion, 2012, 54, 124042.	0.9	40
35	Characterization of density profile of laser-produced Sn plasma for 13.5nm extreme ultraviolet source. Applied Physics Letters, 2005, 86, 201501.	1.5	39
36	Spectroscopic study of debris mitigation with minimum-mass Sn laser plasma for extreme ultraviolet lithography. Applied Physics Letters, 2006, 88, 171503.	1.5	38

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37	Line analysis of EUV Spectra from Molybdenum and Tungsten Injected with Impurity Pellets in LHD. Plasma and Fusion Research, 2007, 2, S1060-S1060.	0.3	37
38	Control of an electron beam using strong magnetic field for efficient core heating in fast ignition. Nuclear Fusion, 2015, 55, 053022.	1.6	37
39	First observation of density profile in directly laser-driven polystyrene targets for ablative Rayleighâ€“Taylor instability research. Physics of Plasmas, 2003, 10, 4784-4789.	0.7	36
40	Monochromatic imaging and angular distribution measurements of extreme ultraviolet light from laser-produced Sn and SnO2 plasmas. Applied Physics Letters, 2004, 85, 1919-1921.	1.5	33
41	Preparation of Low-Density Macrocellular Tin Dioxide Foam with Variable Window Size. Chemistry of Materials, 2005, 17, 1115-1122.	3.2	33
42	Titanium dioxide nanofiber-cotton targets for efficient multi-keV x-ray generation. Applied Physics Letters, 2008, 93, .	1.5	32
43	Fabrication of aerogel capsule, bromine-doped capsule, and modified gold cone in modified target for the Fast Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 095028.	1.6	32
44	Absolute evaluation of out-of-band radiation from laser-produced tin plasmas for extreme ultraviolet lithography. Applied Physics Letters, 2008, 92, .	1.5	31
45	SILICATE DUST SIZE DISTRIBUTION FROM HYPERVELOCITY COLLISIONS: IMPLICATIONS FOR DUST PRODUCTION IN DEBRIS DISKS. Astrophysical Journal Letters, 2011, 733, L39.	3.0	31
46	In-Target Protonâ€“Boron Nuclear Fusion Using a PW-Class Laser. Applied Sciences (Switzerland), 2022, 12, 1444.	1.3	31
47	Opacity Studies of Silicon in Radiatively Heated Plasma. Astrophysical Journal, 2008, 683, 577-583.	1.6	30
48	Efficient extreme ultraviolet emission from one-dimensional spherical plasmas produced by multiple lasers. Applied Physics Express, 2014, 7, 086202.	1.1	30
49	Ultrahigh-contrast kilojoule-class petawatt LFEX laser using a plasma mirror. Applied Optics, 2016, 55, 6850.	2.1	30
50	Suppression of Rayleighâ€“Taylor instability due to radiative ablation in brominated plastic targets. Physics of Plasmas, 2004, 11, 2814-2822.	0.7	29
51	Magnetohydrodynamics of laser-produced high-energy-density plasma in a strong external magnetic field. Physical Review E, 2017, 95, 053204.	0.8	29
52	Electronic structure and magnetic properties of the half-metallic ferrimagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> by soft x-ray spectroscopies. Physical Review B, 2018, 97, .	1.2	29
53	Experimental evidence and theoretical analysis of photoionized plasma under x-ray radiation produced by an intense laser. Physics of Plasmas, 2008, 15, .	0.7	28
54	Proof-of-principle experiment for laser-driven cold neutron source. Scientific Reports, 2020, 10, 20157.	1.6	28

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55	Present status of fast ignition realization experiment and inertial fusion energy development. Nuclear Fusion, 2013, 53, 104021.	1.6	27
56	Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO2 targets. Applied Physics Letters, 2006, 88, 094102.	1.5	26
57	Analysis of x-ray polarization to determine the three-dimensionally anisotropic velocity distributions of hot electrons in plasma produced by ultrahigh intensity lasers. Physical Review E, 2007, 75, 026401.	0.8	26
58	Petapascal Pressure Driven by Fast Isochoric Heating with a Multipicosecond Intense Laser Pulse. Physical Review Letters, 2020, 124, 035001.	2.9	26
59	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.	0.6	25
60	Towards realization of hyper-velocities for impact fast ignition. Plasma Physics and Controlled Fusion, 2005, 47, B815-B822.	0.9	25
61	Bright x-ray sources from laser irradiation of foams with high concentration of Ti. Physics of Plasmas, 2014, 21, 023102.	0.7	25
62	Flash KÎ± radiography of laser-driven solid sphere compression for fast ignition. Applied Physics Letters, 2016, 108, .	1.5	25
63	Energetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -particle sources produced through proton-boron reactions by high-energy high-intensity laser beams. Physical Review E, 2021, 103, 053202.	0.8	25
64	New insights into the laser produced electronâ€“positron pairs. New Journal of Physics, 2013, 15, 065010.	1.2	24
65	Tin laser-produced plasma source modeling at 13.5nm for extreme ultraviolet lithography. Applied Physics Letters, 2008, 92, 151501.	1.5	23
66	Neutral Debris Mitigation in Laser Produced Extreme Ultraviolet Light Source by the Use of Minimum-Mass Tin Target. Applied Physics Express, 2008, 1, 056001.	1.1	23
67	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. Physical Review E, 2015, 91, 063102.	0.8	23
68	High-Intensity Neutron Generation via Laser-Driven Photonuclear Reaction. Plasma and Fusion Research, 2015, 10, 2404003-2404003.	0.3	23
69	Study of fast electron transport in hot dense matter using x-ray spectroscopy. Plasma Physics and Controlled Fusion, 2005, 47, B823-B831.	0.9	22
70	Conversion efficiency of extreme ultraviolet radiation in laser-produced plasmas. Physics of Plasmas, 2006, 13, 033107.	0.7	22
71	Efficient multi-keV x-ray generation from a high-Z target irradiated with a clean ultra-short laser pulse. Optics Express, 2011, 19, 4560.	1.7	22
72	Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. High Energy Density Physics, 2012, 8, 227-230.	0.4	22

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73	Generation of Î±-Particle Beams With a Multi-kJ, Peta-Watt Class Laser System. Frontiers in Physics, 2020, 8, .	1.0	22
74	X-ray line polarization spectroscopy to study hot electron transport in ultra-short laser produced plasma. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 99, 305-313.	1.1	21
75	Characterization of heat-wave propagation through laser-driven Ti-doped underdense plasma. High Energy Density Physics, 2010, 6, 89-94.	0.4	21
76	Energy transport and isochoric heating of a low-Z, reduced-mass target irradiated with a high intensity laser pulse. Physics of Plasmas, 2011, 18, .	0.7	21
77	Experimental demonstration of laser imprint reduction using underdense foams. Physics of Plasmas, 2016, 23, 042701.	0.7	21
78	Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. Physics of Plasmas, 2007, 14, 122702.	0.7	20
79	4d-4f unresolved transition arrays of xenon and tin ions in charge exchange collisions. Journal of Physics: Conference Series, 2007, 58, 231-234.	0.3	20
80	Characterization of out-of-band radiation and plasma parameters in laser-produced Sn plasmas for extreme ultraviolet lithography light sources. Journal of Applied Physics, 2008, 104, .	1.1	20
81	Integrated simulation of magnetic-field-assist fast ignition laser fusion. Plasma Physics and Controlled Fusion, 2017, 59, 014045.	0.9	20
82	Progress and perspectives of fast ignition. Plasma Physics and Controlled Fusion, 2004, 46, B41-B49.	0.9	18
83	Multi-imaging x-ray streak camera for ultrahigh-speed two-dimensional x-ray imaging of imploded core plasmas (invited). Review of Scientific Instruments, 2004, 75, 3921-3925.	0.6	18
84	Dynamic imaging of 13.5 nm extreme ultraviolet emission from laser-produced Sn plasmas. Applied Physics Letters, 2005, 87, 241502.	1.5	18
85	Charge exchange spectroscopy in Snq+(q= 6-15)-He collisions. Journal of Physics: Conference Series, 2007, 58, 235-238.	0.3	18
86	Progress in indirect and direct-drive planar experiments on hydrodynamic instabilities at the ablation front. Physics of Plasmas, 2014, 21, 122702.	0.7	18
87	Computational study of magnetic field compression by laser-driven implosion. Nuclear Fusion, 2015, 55, 093028.	1.6	17
88	An action plan of Japan toward development of demo reactor. Fusion Engineering and Design, 2018, 136, 183-189.	1.0	17
89	Relativistic magnetic reconnection in laser laboratory for testing an emission mechanism of hard-state black hole system. Physical Review E, 2020, 102, 033202.	0.8	17
90	Single shot radiography by a bright source of laser-driven thermal neutrons and x-rays. Applied Physics Express, 2021, 14, 106001.	1.1	17

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91	Penumbral imaging for measurement of the ablation density in laser-driven targets. Review of Scientific Instruments, 2002, 73, 2588-2596.	0.6	16
92	Enhancing laser beam performance by interfering intense laser beamlets. Nature Communications, 2019, 10, 2995.	5.8	16
93	A heuristic penumbral imaging technique for measurements of laser-produced plasma density profile. Review of Scientific Instruments, 2002, 73, 3198-3204.	0.6	15
94	Impact experiments with a new technique for acceleration of projectiles to velocities higher than Earth's escape velocity of 11.2 km/s. Journal of Geophysical Research, 2010, 115, .	3.3	15
95	A new hybrid target concept for multi-keV X-ray sources. High Energy Density Physics, 2013, 9, 750-760.	0.4	15
96	Fast heating of super-solid density plasmas towards laser fusion ignition. Plasma Physics and Controlled Fusion, 2002, 44, B109-B119.	0.9	14
97	Temporally resolved Schwarzschild microscope for the characterization of extreme ultraviolet emission in laser-produced plasmas. Review of Scientific Instruments, 2004, 75, 5173-5176.	0.6	14
98	Rayleighâ€“Taylor instability growth on low-density foam targets. Physics of Plasmas, 2008, 15, .	0.7	14
99	Direct evaluation of high neutron density environment using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi>n</mml:mi><mml:mo,</mml:mo,</mml:mrow><mml:mi>γ</mml:mi></mml:mrow></mml:math> reaction induced by laser-driven neutron source. Physical Review C, 2021, 104, .	3.1	14
100	Correlation between laser absorption and radiation conversion efficiency in laser produced tin plasma. Applied Physics Letters, 2015, 107, 121103.	1.5	13
101	Control of unsteady laser-produced plasma-flow with a multiple-coil magnetic nozzle. Scientific Reports, 2017, 7, 8910.	1.6	13
102	Enhancement of Ablative Rayleigh-Taylor Instability Growth by Thermal Conduction Suppression in a Magnetic Field. Physical Review Letters, 2021, 127, 165001.	2.9	13
103	Imprint reduction in a plasma layer preformed with x-ray irradiation. Physics of Plasmas, 2002, 9, 1381-1391.	0.7	12
104	Side-on measurement of hydrodynamics of laser-driven plasmas with high space- and time-resolution x-ray imaging technique. Review of Scientific Instruments, 2003, 74, 2198-2201.	0.6	12
105	X-ray polarization spectroscopy for measurement of anisotropy of hot electrons generated with ultraintense laser pulse. Review of Scientific Instruments, 2004, 75, 3699-3701.	0.6	12
106	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
107	Identification of 4dâ€“5p transitions in the spectra of Sn XVâ€“Sn XIX recorded from collisions between Sn ions and He. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 165207.	0.6	12
108	The photonuclear neutron and gamma-ray backgrounds in the fast ignition experiment. Review of Scientific Instruments, 2012, 83, 10D909.	0.6	12

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109	Development of wide-field, multi-imaging x-ray streak camera technique with increased image-sampling arrays. Review of Scientific Instruments, 2001, 72, 755-758.	0.6	11
110	Development of Double-Structure Heavy-Element Impurity Pellet for Active Spectroscopy of High-Temperature Plasmas. Japanese Journal of Applied Physics, 2007, 46, 3667-3669.	0.8	11
111	Monochromatic x-ray radiography for areal-density measurement of inertial fusion energy fuel in fast ignition experiment. Review of Scientific Instruments, 2010, 81, 10E529.	0.6	11
112	Density and x-ray emission profile relationships in highly ionized high-Z laser-produced plasmas. Applied Physics Letters, 2015, 106, .	1.5	11
113	Characterization of material ablation driven by laser generated intense extreme ultraviolet light. Applied Physics Letters, 2015, 107, .	1.5	11
114	Collimated Propagation of Fast Electron Beams Accelerated by High-Contrast Laser Pulses in Highly Resistive Shocked Carbon. Physical Review Letters, 2017, 118, 205001.	2.9	11
115	Electromagnetic field growth triggering super-ponderomotive electron acceleration during multi-picosecond laser-plasma interaction. Communications Physics, 2019, 2, .	2.0	11
116	EUV light source by high power laser. Journal of Physics: Conference Series, 2008, 112, 042047.	0.3	10
117	TIME-DEPENDENT SIMULATION OF PHOTOIONIZED PLASMA CREATED BY LABORATORY BLACKBODY RADIATOR. Astrophysical Journal, 2009, 706, 592-598.	1.6	10
118	Present states and future prospect of fast ignition realization experiment (FIREX) with Gekko and LFEX Lasers at ILE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 84-88.	0.7	10
119	X-ray backlight measurement of preformed plasma by kJ-class petawatt LFEX laser. Journal of Applied Physics, 2012, 112, 063301.	1.1	10
120	Production of intense, pulsed, and point-like neutron source from deuterated plastic cavity by mono-directional kilo-joule laser irradiation. Applied Physics Letters, 2017, 111, 233506.	1.5	10
121	The avalanche image intensifier panel for fast neutron radiography by using laser-driven neutron sources. High Energy Density Physics, 2020, 36, 100833.	0.4	10
122	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
123	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets. , 2005, , .		9
124	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas. , 2006, 6151, 1051.		9
125	Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. Laser and Particle Beams, 2008, 26, 497-501.	0.4	9
126	Direct measurement of the impulse in a magnetic thrust chamber system for laser fusion rocket. Applied Physics Letters, 2011, 99, .	1.5	9

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127	Simulations of laser imprint reduction using underdense foams and its consequences on the hydrodynamic instability growth. New Journal of Physics, 2013, 15, 085033.	1.2	9
128	Characterizing a fast-response, low-afterglow liquid scintillator for neutron time-of-flight diagnostics in fast ignition experiments. Review of Scientific Instruments, 2014, 85, 11E126.	0.6	9
129	Temporal behavior of unresolved transition array emission in water window soft x-ray spectral region from multiply charged ions. Applied Physics Letters, 2015, 107, .	1.5	9
130	Revising the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:m symmetry in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeCu</mml:mi><mml:mn>2</mml:mn></mml:mr : Soft x-ray absorption and hard x-ray photoemission spectroscopy. Physical Review B, 2018, 98, .	1.1	9
131	Generation of focusing ion beams by magnetized electron sheath acceleration. Scientific Reports, 2020, 10, 18966.	1.6	9
132	Thermonuclear fusion triggered by collapsing standing whistler waves in magnetized overdense plasmas. Physical Review E, 2020, 101, 013206.	0.8	9
133	Laser astrophysics experiment on the amplification of magnetic fields by shock-induced interfacial instabilities. Physical Review E, 2021, 104, 035206.	0.8	9
134	Standing accretion shock instability: numerical simulations of core-collapse supernova. Journal of Physics: Conference Series, 2008, 112, 042018.	0.3	8
135	A uniformly redundant imaging array of penumbral apertures coupled with a heuristic reconstruction for hard x-ray and neutron imaging. Review of Scientific Instruments, 2010, 81, 073505.	0.6	8
136	Quantitative measurement of hard x-ray spectra for high intensity laser produced plasma. Review of Scientific Instruments, 2012, 83, 053502.	0.6	8
137	Direct observation of imploded core heating via fast electrons with super-penetration scheme. Nature Communications, 2019, 10, 5614.	5.8	8
138	Flash X-ray backlight technique using a Fresnel phase zone plate for measuring interfacial instability. High Energy Density Physics, 2020, 36, 100837.	0.4	8
139	Monte Carlo particle collision model for qualitative analysis of neutron energy spectra from anisotropic inertial confinement fusion. High Energy Density Physics, 2020, 36, 100803.	0.4	8
140	Development of Compton X-ray spectrometer for high energy resolution single-shot high-flux hard X-ray spectroscopy. Review of Scientific Instruments, 2016, 87, 043502.	0.6	8
141	Suppression of the Rayleighâ€“Taylor instability and its implication for the impact ignition. Plasma Physics and Controlled Fusion, 2004, 46, B245-B254.	0.9	7
142	Erratum to â€œX-ray line polarization spectroscopy to study hot electron transport in ultra-short laser produced plasmaâ€• Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 101, 191-192.	1.1	7
143	Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. Japanese Journal of Applied Physics, 2008, 47, 293-296.	0.8	7
144	Monochromatic x-ray sampling streak imager for fast-ignitor plasma observation. Review of Scientific Instruments, 2008, 79, 10E908.	0.6	7

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145	Oriented and lowâ€density tin dioxide film by solâ€“gel mineralizing tinâ€contained hydroxypropyl cellulose lyotropic liquid crystal for laserâ€induced extreme ultraviolet emission. Journal of Polymer Science Part A, 2009, 47, 4566-4576.	2.5	7
146	Complementary spectroscopy of tin ions using ion and electron beams. Journal of Physics: Conference Series, 2009, 163, 012071.	0.3	7
147	Heuristic optimization in penumbral image for high resolution reconstructed image. Review of Scientific Instruments, 2010, 81, 10E517.	0.6	7
148	X-ray polarization spectroscopy to study anisotropic velocity distribution of hot electrons produced by an ultra-high-intensity laser. Physical Review E, 2010, 81, 036410.	0.8	7
149	Development of Multichannel Time-of-Flight Neutron Spectrometer for the Fast Ignition Experiment. Plasma and Fusion Research, 2014, 9, 4404110-4404110.	0.3	7
150	Plasma structure and energy dependence in a magnetic thrust chamber system. Journal of Physics: Conference Series, 2016, 717, 012071.	0.3	7
151	Compression and electron beam heating of solid target under the external magnetic field for fast ignition. Nuclear Fusion, 2017, 57, 086009.	1.6	7
152	Cu-oleate microspheres fabricated by emulsion method as novel targets for fast ignition laser fusion experiments. Fusion Engineering and Design, 2017, 125, 89-92.	1.0	7
153	Numerical analysis of pulsed magnetic field diffusion dynamics in gold cone target. Physics of Plasmas, 2018, 25, 094505.	0.7	7
154	Portable and noise-tolerant magnetic field generation system. Review of Scientific Instruments, 2018, 89, 094706.	0.6	7
155	Whispering Gallery Effect in Relativistic Optics. JETP Letters, 2018, 107, 351-354.	0.4	7
156	The conceptual design of 1-ps time resolution neutron detector for fusion reaction history measurement at OMEGA and the National Ignition Facility. Review of Scientific Instruments, 2020, 91, 063304.	0.6	7
157	Intensification of laser-produced relativistic electron beam using converging magnetic fields for ignition in fast ignition laser fusion. High Energy Density Physics, 2020, 36, 100841.	0.4	7
158	Dynamics of laser-generated magnetic fields using long laser pulses. Physical Review E, 2021, 103, 033201.	0.8	7
159	Study on EUV emission properties of laser-produced plasma at ILE, Osaka. , 2004, , .		6
160	Tin-Polymer Composite on a Rotating Drum as a High Repetition Rate Laser Target for Extreme Ultraviolet Generation. Fusion Science and Technology, 2006, 49, 691-694.	0.6	6
161	Laboratory spectroscopy of silicon plasmas photoionized by mimic astrophysical compact objects. Plasma Physics and Controlled Fusion, 2009, 51, 124032.	0.9	6
162	Fast electron beam guiding for effective core heating. EPJ Web of Conferences, 2013, 59, 03010.	0.1	6

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163	Spectroscopic observation of ablation plasma generated with a laser-driven extreme ultraviolet light source. Applied Physics B: Lasers and Optics, 2015, 119, 421-425.	1.1	6
164	Energy distribution of fast electrons accelerated by high intensity laser pulse depending on laser pulse duration. Journal of Physics: Conference Series, 2016, 717, 012102.	0.3	6
165	Development of 4.5 keV monochromatic X-ray radiography using the high-energy, picosecond LFEX laser. Journal of Physics: Conference Series, 2016, 717, 012112.	0.3	6
166	Electron beam guiding by strong longitudinal magnetic fields. Journal of Physics: Conference Series, 2016, 688, 012041.	0.3	6
167	High-space resolution imaging plate analysis of extreme ultraviolet (EUV) light from tin laser-produced plasmas. Review of Scientific Instruments, 2017, 88, 033506.	0.6	6
168	Numerical simulations to model laser-driven coil-capacitor targets for generation of kilo-Tesla magnetic fields. AIP Advances, 2018, 8, 025103.	0.6	6
169	Opacity calculation for aluminum, iron, and gold plasmas using FLYCHK code. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 257, 107369.	1.1	6
170	X-ray imaging diagnostics for laser-driven hydrodynamic instability experiments. Review of Scientific Instruments, 2003, 74, 2194-2197.	0.6	5
171	Estimation of emission efficiency for laser-produced EUV plasmas. , 2004, , .		5
172	Properties of EUV emissions from laser-produced tin plasmas. , 2004, 5374, 912.		5
173	Supersonic heat wave propagation in laser-produced underdense plasma for efficient x-ray generation. Journal of Physics: Conference Series, 2008, 112, 022076.	0.3	5
174	Characteristic measurements of silicon dioxide aerogel plasmas generated in a Planckian radiation environment. Physics of Plasmas, 2010, 17, .	0.7	5
175	Quantitative measurement of hard X-ray spectra from laser-driven fast ignition plasma. High Energy Density Physics, 2013, 9, 435-438.	0.4	5
176	Effect of Magnetic Field Strength on a Magnetic Thrust Chamber System. Journal of Propulsion and Power, 2014, 30, 54-61.	1.3	5
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