

# Shinsuke Fujioka

## List of Publications by Citations

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330  
papers

4,348  
citations

33  
h-index

55  
g-index

373  
ext. papers

4,898  
ext. citations

2.2  
avg, IF

4.43  
L-index

#	Paper	IF	Citations
330	Fast heating scalable to laser fusion ignition. <i>Nature</i> , <b>2002</b> , 418, 933-4	50.4	398
329	Kilotesla magnetic field due to a capacitor-coil target driven by high power laser. <i>Scientific Reports</i> , <b>2013</b> , 3, 1170	4.9	215
328	Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. <i>Physical Review Letters</i> , <b>2005</b> , 95, 235004	7.4	119
327	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
326	Laser-driven platform for generation and characterization of strong quasi-static magnetic fields. <i>New Journal of Physics</i> , <b>2015</b> , 17, 083051	2.9	108
325	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
324	X-ray astronomy in the laboratory with a miniature compact object produced by laser-driven implosion. <i>Nature Physics</i> , <b>2009</b> , 5, 821-825	16.2	92
323	Spectroscopic comparison between 1200 grooves/mm ruled and holographic gratings of a flat-field spectrometer and its absolute sensitivity calibration using bremsstrahlung continuum. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 023501	1.7	77
322	Direct measurement of kilo-tesla level magnetic field generated with laser-driven capacitor-coil target by proton deflectometry. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 091104	3.4	72
321	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
320	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
319	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
318	Ion energy spectrum of expanding laser-plasma with limited mass. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 062706	2.1	64
317	Guiding of relativistic electron beams in dense matter by laser-driven magnetostatic fields. <i>Nature Communications</i> , <b>2018</b> , 9, 102	17.4	63
316	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
315	Comprehensive diagnosis of growth rates of the ablative Rayleigh-Taylor instability. <i>Physical Review Letters</i> , <b>2007</b> , 98, 045002	7.4	54
314	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

313	High-Mach number collisionless shock and photo-ionized non-LTE plasma for laboratory astrophysics with intense lasers. <i>Plasma Physics and Controlled Fusion</i> , <b>2008</b> , 50, 124057	2	53
312	Magnetized fast isochoric laser heating for efficient creation of ultra-high-energy-density states. <i>Nature Communications</i> , <b>2018</b> , 9, 3937	17.4	53
311	Boosting laser-ion acceleration with multi-picosecond pulses. <i>Scientific Reports</i> , <b>2017</b> , 7, 42451	4.9	51
310	Fast ignition integrated experiments with Gekko and LFEX lasers. <i>Plasma Physics and Controlled Fusion</i> , <b>2011</b> , 53, 124029	2	46
309	Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 056308	2.1	44
308	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
307	Implosion hydrodynamics of fast ignition targets). <i>Physics of Plasmas</i> , <b>2005</b> , 12, 056312	2.1	41
306	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
305	Experimental evidence of impact ignition: 100-fold increase of neutron yield by impactor collision. <i>Physical Review Letters</i> , <b>2009</b> , 102, 235002	7.4	39
304	Ultrafast probing of magnetic field growth inside a laser-driven solenoid. <i>Physical Review E</i> , <b>2017</b> , 95, 033208	2.4	38
303	Line analysis of EUV Spectra from Molybdenum and Tungsten Injected with Impurity Pellets in LHD. <i>Plasma and Fusion Research</i> , <b>2007</b> , 2, S1060-S1060	0.5	36
302	Control of an electron beam using strong magnetic field for efficient core heating in fast ignition. <i>Nuclear Fusion</i> , <b>2015</b> , 55, 053022	3.3	35
301	High-energy-density plasmas generation on GEKKO-LFEX laser facility for fast-ignition laser fusion studies and laboratory astrophysics. <i>Plasma Physics and Controlled Fusion</i> , <b>2012</b> , 54, 124042	2	35
300	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
299	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
298	Laser-driven strong magnetostatic fields with applications to charged beam transport and magnetized high energy-density physics. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 056705	2.1	34
297	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
296	Titanium dioxide nanofiber-cotton targets for efficient multi-keV x-ray generation. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 051505	3.4	32

295	First observation of density profile in directly laser-driven polystyrene targets for ablative Rayleigh-Taylor instability research. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 4784-4789	2.1	31
294	Experimental evidence of foam homogenization. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 113105	2.1	30
293	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
292	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
291	Fabrication of aerogel capsule, bromine-doped capsule, and modified gold cone in modified target for the Fast Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , <b>2009</b> , 49, 095028	3.3	29
290	Spectroscopic study of debris mitigation with minimum-mass Sn laser plasma for extreme ultraviolet lithography. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 171503	3.4	29
289	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
288	Magnetic reconnection driven by Gekko XII lasers with a Helmholtz capacitor-coil target. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 032125	2.1	29
287	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
286	Opacity Studies of Silicon in Radiatively Heated Plasma. <i>Astrophysical Journal</i> , <b>2008</b> , 683, 577-583	4.7	27
285	SILICATE DUST SIZE DISTRIBUTION FROM HYPERVELOCITY COLLISIONS: IMPLICATIONS FOR DUST PRODUCTION IN DEBRIS DISKS. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 733, L39	7.9	26
284	Analysis of x-ray polarization to determine the three-dimensionally anisotropic velocity distributions of hot electrons in plasma produced by ultrahigh intensity lasers. <i>Physical Review E</i> , <b>2007</b> , 75, 026401	2.4	26
283	Ultrahigh-contrast kilojoule-class petawatt LFEX laser using a plasma mirror <b>2016</b> , 55, 6850		25
282	Experimental evidence and theoretical analysis of photoionized plasma under x-ray radiation produced by an intense laser. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 073108	2.1	25
281	Efficient extreme ultraviolet emission from one-dimensional spherical plasmas produced by multiple lasers. <i>Applied Physics Express</i> , <b>2014</b> , 7, 086202	2.4	24
280	Towards realization of hyper-velocities for impact fast ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2005</b> , 47, B815-B822	2	24
279	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. <i>Physical Review E</i> , <b>2015</b> , 91, 063102	2.4	23
278	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

277	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
276	New insights into the laser produced electron-positron pairs. <i>New Journal of Physics</i> , <b>2013</b> , 15, 065010	2.9	22
275	Flash K $\beta$ radiography of laser-driven solid sphere compression for fast ignition. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 254101	3.4	22
274	Magnetohydrodynamics of laser-produced high-energy-density plasma in a strong external magnetic field. <i>Physical Review E</i> , <b>2017</b> , 95, 053204	2.4	21
273	Present status of fast ignition realization experiment and inertial fusion energy development. <i>Nuclear Fusion</i> , <b>2013</b> , 53, 104021	3.3	21
272	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
271	X-ray line polarization spectroscopy to study hot electron transport in ultra-short laser produced plasma. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2006</b> , 99, 305-313	2.1	21
270	Study of fast electron transport in hot dense matter using x-ray spectroscopy. <i>Plasma Physics and Controlled Fusion</i> , <b>2005</b> , 47, B823-B831	2	21
269	Bright x-ray sources from laser irradiation of foams with high concentration of Ti. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 023102	2.1	20
268	Energy transport and isochoric heating of a low-Z, reduced-mass target irradiated with a high intensity laser pulse. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 022702	2.1	19
267	Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 122702	2.1	19
266	Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. <i>High Energy Density Physics</i> , <b>2012</b> , 8, 227-230	1.2	18
265	Characterization of heat-wave propagation through laser-driven Ti-doped underdense plasma. <i>High Energy Density Physics</i> , <b>2010</b> , 6, 89-94	1.2	18
264	Characterization of out-of-band radiation and plasma parameters in laser-produced Sn plasmas for extreme ultraviolet lithography light sources. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 013305	2.5	18
263	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
262	Conversion efficiency of extreme ultraviolet radiation in laser-produced plasmas. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 033107	2.1	18
261	Efficient multi-keV x-ray generation from a high-Z target irradiated with a clean ultra-short laser pulse. <i>Optics Express</i> , <b>2011</b> , 19, 4560-5	3.3	17
260	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

259	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
258	Experimental demonstration of laser imprint reduction using underdense foams. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 042701	2.1	17
257	Electronic structure and magnetic properties of the half-metallic ferrimagnet Mn <sub>2</sub> VAl probed by soft x-ray spectroscopies. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	16
256	Penumbral imaging for measurement of the ablation density in laser-driven targets. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 2588-2596	1.7	16
255	Computational study of magnetic field compression by laser-driven implosion. <i>Nuclear Fusion</i> , <b>2015</b> , 55, 093028	3.3	15
254	Integrated simulation of magnetic-field-assist fast ignition laser fusion. <i>Plasma Physics and Controlled Fusion</i> , <b>2017</b> , 59, 014045	2	15
253	Progress in indirect and direct-drive planar experiments on hydrodynamic instabilities at the ablation front. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 122702	2.1	15
252	Impact experiments with a new technique for acceleration of projectiles to velocities higher than Earth's escape velocity of 11.2 km/s. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		15
251	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
250	Multi-imaging x-ray streak camera for ultrahigh-speed two-dimensional x-ray imaging of imploded core plasmas (invited). <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 3921-3925	1.7	15
249	Progress and perspectives of fast ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2004</b> , 46, B41-B49	2	14
248	Petapascal Pressure Driven by Fast Isochoric Heating with a Multipicosecond Intense Laser Pulse. <i>Physical Review Letters</i> , <b>2020</b> , 124, 035001	7.4	13
247	A new hybrid target concept for multi-keV X-ray sources. <i>High Energy Density Physics</i> , <b>2013</b> , 9, 750-760	1.2	13
246	High-Intensity Neutron Generation via Laser-Driven Photonuclear Reaction. <i>Plasma and Fusion Research</i> , <b>2015</b> , 10, 2404003-2404003	0.5	13
245	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
244	A heuristic penumbral imaging technique for measurements of laser-produced plasma density profile. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 3198-3204	1.7	13
243	Identification of 4d <sup>5</sup> p transitions in the spectra of Sn XV <sup>5</sup> 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
242	Rayleigh-Taylor instability growth on low-density foam targets. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 092109	2.1	12

241	X-ray polarization spectroscopy for measurement of anisotropy of hot electrons generated with ultraintense laser pulse. <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 3699-3701	1.7	12
240	Temporally resolved Schwarzschild microscope for the characterization of extreme ultraviolet emission in laser-produced plasmas. <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 5173-5176	1.7	12
239	An action plan of Japan toward development of demo reactor. <i>Fusion Engineering and Design</i> , <b>2018</b> , 136, 183-189	1.7	11
238	Enhancing laser beam performance by interfering intense laser beamlets. <i>Nature Communications</i> , <b>2019</b> , 10, 2995	17.4	11
237	The photonuclear neutron and gamma-ray backgrounds in the fast ignition experiment. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 10D909	1.7	11
236	Development of Double-Structure Heavy-Element Impurity Pellet for Active Spectroscopy of High-Temperature Plasmas. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 3667-3669	1.4	11
235	Imprint reduction in a plasma layer preformed with x-ray irradiation. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 1381-1391	1.7	11
234	Fast heating of super-solid density plasmas towards laser fusion ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2002</b> , 44, B109-B119	2	11
233	Generation of $\mu$ Particle Beams With a Multi-kJ, Peta-Watt Class Laser System. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	11
232	Correlation between laser absorption and radiation conversion efficiency in laser produced tin plasma. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 121103	3.4	10
231	Present states and future prospect of fast ignition realization experiment (FIREX) with Gekko and LFEX Lasers at ILE. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 653, 84-88	1.2	10
230	Monochromatic x-ray radiography for areal-density measurement of inertial fusion energy fuel in fast ignition experiment. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 10E529	1.7	10
229	Side-on measurement of hydrodynamics of laser-driven plasmas with high space- and time-resolution x-ray imaging technique. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 2198-2201	1.7	10
228	Development of wide-field, multi-imaging x-ray streak camera technique with increased image-sampling arrays. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 755-758	1.7	10
227	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
226	Collimated Propagation of Fast Electron Beams Accelerated by High-Contrast Laser Pulses in Highly Resistive Shocked Carbon. <i>Physical Review Letters</i> , <b>2017</b> , 118, 205001	7.4	9
225	X-ray backlight measurement of preformed plasma by kJ-class petawatt LFEX laser. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 063301	2.5	9
224	TIME-DEPENDENT SIMULATION OF PHOTOIONIZED PLASMA CREATED BY LABORATORY BLACKBODY RADIATOR. <i>Astrophysical Journal</i> , <b>2009</b> , 706, 592-598	4.7	9

223	Electromagnetic field growth triggering super-ponderomotive electron acceleration during multi-picosecond laser-plasma interaction. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	8
222	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
221	Temporal behavior of unresolved transition array emission in water window soft x-ray spectral region from multiply charged ions. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 121101	3.4	8
220	Quantitative measurement of hard x-ray spectra for high intensity laser produced plasma. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 053502	1.7	8
219	Simulations of laser imprint reduction using underdense foams and its consequences on the hydrodynamic instability growth. <i>New Journal of Physics</i> , <b>2013</b> , 15, 085033	2.9	8
218	Direct measurement of the impulse in a magnetic thrust chamber system for laser fusion rocket. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 071501	3.4	8
217	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
216	Development of Compton X-ray spectrometer for high energy resolution single-shot high-flux hard X-ray spectroscopy. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 043502	1.7	8
215	Control of unsteady laser-produced plasma-flow with a multiple-coil magnetic nozzle. <i>Scientific Reports</i> , <b>2017</b> , 7, 8910	4.9	7
214	Characterizing a fast-response, low-afterglow liquid scintillator for neutron time-of-flight diagnostics in fast ignition experiments. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 11E126	1.7	7
213	X-ray polarization spectroscopy to study anisotropic velocity distribution of hot electrons produced by an ultra-high-intensity laser. <i>Physical Review E</i> , <b>2010</b> , 81, 036410	2.4	7
212	Oriented and low-density tin dioxide film by sol-gel mineralizing tin-contained hydroxypropyl cellulose lyotropic liquid crystal for laser-induced extreme ultraviolet emission. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4566-4576	2.5	7
211	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
210	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
209	Monochromatic x-ray sampling streak imager for fast-ignitor plasma observation. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 10E908	1.7	7
208	Standing accretion shock instability: numerical simulations of core-collapse supernova. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042018	0.3	7
207	Erratum to X-ray line polarization spectroscopy to study hot electron transport in ultra-short laser produced plasma. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2006</b> , 101, 191-192	2.1	7
206	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets <b>2005</b> ,		7



205	Proof-of-principle experiment for laser-driven cold neutron source. <i>Scientific Reports</i> , <b>2020</b> , 10, 20157	4.9	7
204	Energetic $\mu$ particle sources produced through proton-boron reactions by high-energy high-intensity laser beams. <i>Physical Review E</i> , <b>2021</b> , 103, 053202	2.4	7
203	Numerical analysis of pulsed magnetic field diffusion dynamics in gold cone target. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 094505	2.1	7
202	Characterization of material ablation driven by laser generated intense extreme ultraviolet light. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 114101	3.4	6
201	Cu-oleate microspheres fabricated by emulsion method as novel targets for fast ignition laser fusion experiments. <i>Fusion Engineering and Design</i> , <b>2017</b> , 125, 89-92	1.7	6
200	Density and x-ray emission profile relationships in highly ionized high-Z laser-produced plasmas. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 121109	3.4	6
199	Fast electron beam guiding for effective core heating. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 03010	0.3	6
198	A uniformly redundant imaging array of penumbral apertures coupled with a heuristic reconstruction for hard x-ray and neutron imaging. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 073505	1.7	6
197	Laboratory spectroscopy of silicon plasmas photoionized by mimic astrophysical compact objects. <i>Plasma Physics and Controlled Fusion</i> , <b>2009</b> , 51, 124032	2	6
196	Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions <b>2008</b> ,		6
195	EUV light source by high power laser. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042047	0.3	6
194	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas <b>2006</b> , 6151, 1051		6
193	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
192	Study on EUV emission properties of laser-produced plasma at ILE, Osaka <b>2004</b> ,		6
191	Relativistic magnetic reconnection in laser laboratory for testing an emission mechanism of hard-state black hole system. <i>Physical Review E</i> , <b>2020</b> , 102, 033202	2.4	6
190	Generation of focusing ion beams by magnetized electron sheath acceleration. <i>Scientific Reports</i> , <b>2020</b> , 10, 18966	4.9	6
189	Compression and electron beam heating of solid target under the external magnetic field for fast ignition. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 086009	3.3	5
188	High-space resolution imaging plate analysis of extreme ultraviolet (EUV) light from tin laser-produced plasmas. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 033506	1.7	5

187	Accuracy evaluation of a Compton X-ray spectrometer with bremsstrahlung X-rays generated by a 6 MeV electron bunch. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 11D634	1.7	5
186	Photonuclear reaction based high-energy x-ray spectrometer to cover from 2 MeV to 20 MeV. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 11D629	1.7	5
185	Quantitative measurement of hard X-ray spectra from laser-driven fast ignition plasma. <i>High Energy Density Physics</i> , <b>2013</b> , 9, 435-438	1.2	5
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