

# Shinsuke Fujioka

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1631889/shinsuke-fujioka-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	In-Target ProtonBoron Nuclear Fusion Using a PW-Class Laser. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1444	2.6	4
329	Observation of Zeeman splitting effect in a laser-driven coil. <i>Matter and Radiation at Extremes</i> , <b>2022</b> , 7, 024402	4.7	0
328	Non-destructive inspection of water or high-pressure hydrogen gas in metal pipes by the flash of neutrons and x rays generated by laser. <i>AIP Advances</i> , <b>2022</b> , 12, 045220	1.5	0
327	Super-strong magnetic field-dominated ion beam dynamics in focusing plasma devices.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6876	4.9	0
326	Progress in relativistic laserplasma interaction with kilotesla-level applied magnetic fields. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 053104	2.1	0
325	A multi-stage scintillation counter for GeV-scale multi-species ion spectroscopy in laser-driven particle acceleration experiments. <i>Review of Scientific Instruments</i> , <b>2022</b> , 93, 063502	1.7	2
324	Enhancement of Ablative Rayleigh-Taylor Instability Growth by Thermal Conduction Suppression in a Magnetic Field. <i>Physical Review Letters</i> , <b>2021</b> , 127, 165001	7.4	2
323	Fast electron transport dynamics and energy deposition in magnetized, imploded cylindrical plasma. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20200052	3	1
322	Dynamics of laser-generated magnetic fields using long laser pulses. <i>Physical Review E</i> , <b>2021</b> , 103, 033201	1.4	1
321	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
320	Dosimetric calibration of GafChromic HD-V2, MD-V3, and EBT3 films for dose ranges up to 100 kGy. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 063301	1.7	3
319	Direct evaluation of high neutron density environment using (n,2n) reaction induced by laser-driven neutron source. <i>Physical Review C</i> , <b>2021</b> , 104,	2.7	5
318	Investigation of plasma states formed under the interaction of high-power laser pulses with wire-shape AlCu target. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1787, 012028	0.3	
317	Single shot radiography by a bright source of laser-driven thermal neutrons and x-rays. <i>Applied Physics Express</i> , <b>2021</b> , 14, 106001	2.4	4
316	Progress of Fast Ignition Study with High Intensity Laser. <i>Journal of the Institute of Electrical Engineers of Japan</i> , <b>2021</b> , 141, 559-562	0	0
315	Laser astrophysics experiment on the amplification of magnetic fields by shock-induced interfacial instabilities. <i>Physical Review E</i> , <b>2021</b> , 104, 035206	2.4	2
314	Advanced analysis of laser-driven pulsed magnetic diffusion based on quantum molecular dynamics simulation. <i>Matter and Radiation at Extremes</i> , <b>2021</b> , 6, 065901	4.7	0

313	Application of laser-driven capacitor-coil to target normal sheath acceleration. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100874	1.2	0
312	Development of Tritium Tracer Doped Liquid Fuel Target for Inertial Confinement Fusion at the Gekko XII-LFEX Facility. <i>Fusion Science and Technology</i> , <b>2020</b> , 76, 464-470	1.1	2
311	Two-color laser-plasma interactions for efficient production of non-thermal hot electrons. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100843	1.2	
310	The conceptual design of 1-ps time resolution neutron detector for fusion reaction history measurement at OMEGA and the National Ignition Facility. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 063304	1.7	3
309	Intensification of laser-produced relativistic electron beam using converging magnetic fields for ignition in fast ignition laser fusion. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100841	1.2	2
308	Enhancement of ion energy and flux by the influence of magnetic reconnection in foam targets. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100840	1.2	2
307	Characterization of an imploding cylindrical plasma for electron transport studies using x-ray emission spectroscopy. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 023302	2.1	2
306	The avalanche image intensifier panel for fast neutron radiography by using laser-driven neutron sources. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100833	1.2	3
305	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
304	Thermonuclear fusion triggered by collapsing standing whistler waves in magnetized overdense plasmas. <i>Physical Review E</i> , <b>2020</b> , 101, 013206	2.4	4
303	Monte Carlo particle collision model for qualitative analysis of neutron energy spectra from anisotropic inertial confinement fusion. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100803	1.2	2
302	Opacity calculation for aluminum, iron, and gold plasmas using FLYCHK code. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2020</b> , 257, 107369	2.1	3
301	Development of single-shot frequency-resolved optical gating for characterizing the instantaneous intensity and phase of LFEX laser pulses. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100855	1.2	
300	Proof-of-principle experiment for laser-driven cold neutron source. <i>Scientific Reports</i> , <b>2020</b> , 10, 20157	4.9	7
299	Flash X-ray backlight technique using a Fresnel phase zone plate for measuring interfacial instability. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100837	1.2	4
298	A numerical study on the pulse duration dependence of a magnetic field generated using a laser-driven capacitor-coil target. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100818	1.2	1
297	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
296	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

295	Verification of fast heating of core plasmas produced by counter-illumination of implosion lasers. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100890	1.2	0
294	Generation of focusing ion beams by magnetized electron sheath acceleration. <i>Scientific Reports</i> , <b>2020</b> , 10, 18966	4.9	6
293	Enhanced relativistic electron beams intensity with self-generated resistive magnetic field. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100773	1.2	2
292	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
291	Enhancing laser beam performance by interfering intense laser beamlets. <i>Nature Communications</i> , <b>2019</b> , 10, 2995	17.4	11
290	Collective Thomson scattering measurements of electron feature using stimulated Brillouin scattering in laser-produced plasmas. <i>High Energy Density Physics</i> , <b>2019</b> , 32, 82-88	1.2	1
289	Design of Zeeman spectroscopy experiment with magnetized silicon plasma generated in the laboratory. <i>High Energy Density Physics</i> , <b>2019</b> , 33, 100710	1.2	4
288	Generation of Strong Magnetic Field with High-Power Laser. <i>The Review of Laser Engineering</i> , <b>2019</b> , 47, 518	0	
287	Efficient Fast Heating of Dense Core Plasma by Laser-Driven Strong Magnetic Field. <i>The Review of Laser Engineering</i> , <b>2019</b> , 47, 536	0	
286	Simple Analysis of the Laser-to-Core Energy Coupling Efficiency with Magnetized Fast Isochoric Laser Heating. <i>Plasma and Fusion Research</i> , <b>2019</b> , 14, 3404138-3404138	0.5	1
285	Direct observation of imploded core heating via fast electrons with super-penetration scheme. <i>Nature Communications</i> , <b>2019</b> , 10, 5614	17.4	4
284	An Exploding Wire-Compression Method for Evaluating the Electrical Conductivity of Diamond-Like Carbon in a Warm Dense State. <i>IEEE Transactions on Plasma Science</i> , <b>2019</b> , 47, 1477-1481	1.3	1
283	Experimental demonstration of ion extraction from magnetic thrust chamber for laser fusion rocket. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 050303	1.4	1
282	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
281	Numerical simulations to model laser-driven coil-capacitor targets for generation of kilo-Tesla magnetic fields. <i>AIP Advances</i> , <b>2018</b> , 8, 025103	1.5	4
280	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
279	Efficient and Repetitive Neutron Generation by Double-Laser-Pulse Driven Photonuclear Reaction. <i>Plasma and Fusion Research</i> , <b>2018</b> , 13, 2404009-2404009	0.5	2
278	Thomson Scattering Measurement of Laser-Produced Plasma in a Magnetic Thrust Chamber. <i>Plasma and Fusion Research</i> , <b>2018</b> , 13, 1306016-1306016	0.5	1

277	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
276	Whispering Gallery Effect in Relativistic Optics. <i>JETP Letters</i> , <b>2018</b> , 107, 351-354	1.2	4
275	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	
274	Whispering gallery effect in relativistic optics, "光の回廊" Journal of Experimental and Theoretical Physics Letters, <b>2018</b> , 366-367	1.3	
273	A large-aperture high-sensitivity avalanche image intensifier panel. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 101128	1.7	2
272	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
271	Revising the 4f symmetry in CeCu <sub>2</sub> Ge <sub>2</sub> : Soft x-ray absorption and hard x-ray photoemission spectroscopy. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
270	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
269	Portable and noise-tolerant magnetic field generation system. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 094706	1.7	5
268	A multichannel gated neutron detector with reduced afterpulse for low-yield neutron measurements in intense hard X-ray backgrounds. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 101114	1.7	1
267	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
266	Boosting laser-ion acceleration with multi-picosecond pulses. <i>Scientific Reports</i> , <b>2017</b> , 7, 42451	4.9	51
265	Large aperture fast neutron imaging detector with 10-ns time resolution <b>2017</b> ,		2
264	Improvement in the heating efficiency of fast ignition inertial confinement fusion through suppression of the preformed plasma. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 066022	3.3	3
263	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
262	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
261	Ultrafast probing of magnetic field growth inside a laser-driven solenoid. <i>Physical Review E</i> , <b>2017</b> , 95, 033208	2.4	38
260	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

259	Plasma mirror implementation on LFEX laser for ion and fast electron fast ignition. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 126018	3.3	4
258	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
257	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
256	Integrated simulation of magnetic-field-assist fast ignition laser fusion. <i>Plasma Physics and Controlled Fusion</i> , <b>2017</b> , 59, 014045	2	15
255	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
254	Evaluation of laser-driven ion energies for fusion fast-ignition research. <i>Progress of Theoretical and Experimental Physics</i> , <b>2017</b> , 2017,	5.4	2
253	Confirmation of hot electron preheat with a Cu foam sphere on GEKKO-LFEX laser facility. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 112709	2.1	1
252	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
251	Ultrahigh-contrast kilojoule-class petawatt LFEX laser using a plasma mirror <b>2016</b> , 55, 6850		25
250	The Measurement of Plasma Structure in a Magnetic Thrust Chamber. <i>Plasma and Fusion Research</i> , <b>2016</b> , 11, 3406012-3406012	0.5	4
249	Characteristics of extreme ultraviolet emission from high-Zplasmas. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012079	0.3	1
248	Electron beam guiding by external magnetic fields in imploded fuel plasma. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012025	0.3	1
247	Magntohydrodynamic behavior of capacitor-coil target toward alternative inertial confinement fusion. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012078	0.3	
246	The diagnostics of the energy coupling efficiency in the Fast Ignition integrated experiment. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012004	0.3	
245	Enhancement of fast electron energy deposition by external magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012033	0.3	3
244	Electron beam guiding by strong longitudinal magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012041	0.3	4
243	Quantitative K $\alpha$ line spectroscopy for energy transport in ultra-intense laser plasma interaction. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012132	0.3	
242	Mechanical design of experimental apparatus for FIREX cryo-target cooling. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012098	0.3	1

241	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
240	Laboratory X-ray Astronomy with High Power Laser. <i>The Review of Laser Engineering</i> , <b>2016</b> , 44, 589	0	
239	Mitigation of Laser Imprinting with Diamond Ablator for Direct-Drive Inertial Confinement Fusion Targets. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012107	0.3	1
238	Spectroscopic measurements of ablation plasma generated with laser-driven intense extreme ultraviolet (EUV) light. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012122	0.3	1
237	Electron transport estimated from electron spectra using electron spectrometer in LFEX laser target experiments. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012043	0.3	0
236	Progress Towards a Laser Produced Relativistic Electron-Positron Pair Plasma. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012010	0.3	3
235	Beyond Extreme Ultra Violet (BEUV) Radiation from Spherically symmetrical High-Z plasmas. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012046	0.3	1
234	Hot electron spectra on advanced targets in FIREX. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012083		
233	Dependence of Ablative Rayleigh-Taylor Instability on High-Z Dopant Concentration. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012109	0.3	1
232	High-density implosion via suppression of Rayleigh-Taylor instability. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012051	0.3	1
231	Energy distribution of fast electrons accelerated by high intensity laser pulse depending on laser pulse duration. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012102	0.3	5
230	Control of imploded core plasma by changing beam arrangement of Gekko XII. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012051	0.3	
229	An optimum design of implosion with external magnetic field for electron beam guiding in fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012041	0.3	4
228	Plasma structure and energy dependence in a magnetic thrust chamber system. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012071	0.3	4
227	Study on Exploding Wire Compression for Evaluating Electrical Conductivity in Warm-Dense Diamond-Like-Carbon. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012102	0.3	1
226	Direct heating of compressed core by ultra-intense laser. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012055	0.3	1
225	Development of 4.5 keV monochromatic X-ray radiography using the high-energy, picosecond LFEX laser. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012112	0.3	4
224	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



223	Flash K $\alpha$ radiography of laser-driven solid sphere compression for fast ignition. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 254101	3.4	22
222	Experimental demonstration of laser imprint reduction using underdense foams. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 042701	2.1	17
221	Numerical demonstration of high-Z doping scheme on ignition-relevant scale implosion. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 122705	2.1	2
220	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
219	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
218	Magnetized Fast ignition (MFI) and Laser Plasma Interactions in Strong Magnetic Field. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012066	0.3	2
217	Imploded Plasma Heating by Irradiation of Heating Laser through a Cone with a Hole for Fast Ignition. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012116	0.3	
216	Tritium-doping enhancement of polystyrene by ultraviolet laser and hydrogen plasma irradiation for laser fusion experiments. <i>Fusion Engineering and Design</i> , <b>2016</b> , 112, 269-273	1.7	
215	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
214	Evaluation of Transport Properties in Warm Dense Matter Generated by Pulsed-power Discharge for Nuclear Fusion Systems. <i>Energy Procedia</i> , <b>2015</b> , 71, 261-267	2.3	3
213	Quantitative K $\alpha$ line spectroscopy for energy transport in fast ignition plasma driven with LFEX PW laser. <i>High Energy Density Physics</i> , <b>2015</b> , 15, 78-81	1.2	1
212	Spectroscopic observation of ablation plasma generated with a laser-driven extreme ultraviolet light source. <i>Applied Physics B: Lasers and Optics</i> , <b>2015</b> , 119, 421-425	1.9	4
211	World's largest high energy petawatt laser LFEX as a user's facility <b>2015</b> ,		2
210	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
209	Computational study of magnetic field compression by laser-driven implosion. <i>Nuclear Fusion</i> , <b>2015</b> , 55, 093028	3.3	15
208	Precision performance for full-scale operation of LFEX PW laser <b>2015</b> ,		1
207	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
206	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



205	Approach to the study of fast electron transport in cylindrically imploded targets. <i>Laser and Particle Beams</i> , <b>2015</b> , 33, 525-534	0.9	3
204	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
203	High-Intensity Neutron Generation via Laser-Driven Photonuclear Reaction. <i>Plasma and Fusion Research</i> , <b>2015</b> , 10, 2404003-2404003	0.5	13
202	Measurements of Preformed Plasma Generation and Its Suppression Inside a Cone in a Cone-in-Shell Target for Fast Ignition. <i>Plasma and Fusion Research</i> , <b>2015</b> , 10, 1404076-1404076	0.5	1
201	Acceleration of Miniature Targets by Kilo-Tesla Magnetic Field. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2015</b> , 13, 17-21	0.3	
200	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
199	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
198	Response measurement of single-crystal chemical vapor deposition diamond radiation detector for intense X-rays aiming at neutron bang-time and neutron burn-history measurement on an inertial confinement fusion with fast ignition. <i>Review of Scientific Instruments</i> , <b>2015</b> , 86, 053503	1.7	0
197	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
196	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
195	The Development of the Neutron Detector for the Fast Ignition Experiment by using LFEX and Gekko XII Facility. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 4404105-4404105	0.5	1
194	The Neutron Imaging Diagnostics and Reconstructing Technique for Fast Ignition. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 4404108-4404108	0.5	
193	Development of Multichannel Time-of-Flight Neutron Spectrometer for the Fast Ignition Experiment. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 4404110-4404110	0.5	3
192	Development of Compton X-Ray Spectrometer for Fast Ignition Experiment. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 4405109-4405109	0.5	4
191	Energy Transportation by MeV Hot Electrons in Fast Ignition Plasma Driven with LFEX PW Laser. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 1404118-1404118	0.5	
190	Effect of Magnetic Field Strength on a Magnetic Thrust Chamber System. <i>Journal of Propulsion and Power</i> , <b>2014</b> , 30, 54-61	1.8	4
189	Hot electron spectra in hole-cone shell targets and a new proposal of the target for fast ignition in laser fusion. <i>Physica Scripta</i> , <b>2014</b> , T161, 014025	2.6	2
188	Development of multichannel low-energy neutron spectrometer. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 11E125	1.7	3

187	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
186	An electron/ion spectrometer with the ability of low energy electron measurement for fast ignition experiments. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 11E113	1.7	3
185	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
184	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
183	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
182	Progress of Extreme Ultraviolet (EUV) Source Development for Micro-Lithography. <i>The Review of Laser Engineering</i> , <b>2014</b> , 42, 14	0	
181	Extremely high-pressure generation and compression with laser implosion plasmas. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 183501	3.4	3
180	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
179	Implosion and heating experiments of fast ignition targets by Gekko-XII and LFEX lasers. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 01008	0.3	2
178	Efficient multi-keV X-ray generation from high-contrast laser plasma interaction. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 18003	0.3	
177	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
176	Present status of fast ignition realization experiment and inertial fusion energy development. <i>Nuclear Fusion</i> , <b>2013</b> , 53, 104021	3.3	21
175	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
174	New insights into the laser produced electron-positron pairs. <i>New Journal of Physics</i> , <b>2013</b> , 15, 065010	2.9	22
173	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
172	Hot Electron Spectra in Plain, Cone and Integrated Targets for FIREX-I using Electron Spectrometer. <i>Plasma and Fusion Research</i> , <b>2013</b> , 8, 2404125-2404125	0.5	2
171	Radiation hydrodynamics simulation of high-Z doped ICF targets. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 454, 012008	0.3	
170	Flyer acceleration experiments using high-power laser. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 19002	0.3	1

169	Absolute K $\alpha$ line spectroscopy for cone-guided fast-ignition targets. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 13008	0.3	
168	High-resolution X-ray imaging in fast ignition experiment using Gekko and LFEX lasers. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 03006	0.3	1
167	Fast electron beam guiding for effective core heating. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 03010	0.3	6
166	Analysis of Laser Wavelength and Energy Dependences of the Impulse in a Magnetic Thrust Chamber System for a Laser Fusion Rocket. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , <b>2013</b> , 56, 170-172	0.8	1
165	Experimental evidence of foam homogenization. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 113105	2.1	30
164	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
163	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
162	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
161	Experimental Demonstration of Magnetic Thrust Chamber for a Laser Fusion Rocket. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2012</b> , 10, Pb_109-Pb_114	0.3	1 <sup>1</sup>
160	Numerical Analysis of Magnetic Thrust Chamber System for Laser Fusion Rocket Considering the Creation Process of Laser-Produced Plasma. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2012</b> , 10, Pb_71-Pb_77	0.3	
159	Time-resolved spectroscopic observations of shockinduced silicate ionization <b>2012</b> ,		4
158	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
157	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
156	EUV spectra of Xe xviii $\alpha$ e xxi produced in charge-exchange collisions. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	1
155	Charge-state-specific EUV spectra of Xe ions. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 082052	0.3	
154	A New De-Noising Method of Laser-Produced Plasma Penumbra Images by Principal Component Analysis. <i>Plasma and Fusion Research</i> , <b>2012</b> , 7, 2404120-2404120	0.5	0
153	Fast ignition integrated experiments with Gekko and LFEX lasers. <i>Plasma Physics and Controlled Fusion</i> , <b>2011</b> , 53, 124029	2	46
152	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

151	EUV emission spectra of iron ions following charge exchange collisions with He. <i>Physica Scripta</i> , <b>2011</b> , T144, 014030	2.6	
150	Configuration interaction in charge exchange spectra of tin and xenon. <i>Physica Scripta</i> , <b>2011</b> , T144, 014026	2	
149	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
148	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
147	X-ray spectroscopy to study energy transport of a low-Z, reduced mass target irradiated with a high-intensity laser pulse. <i>High Energy Density Physics</i> , <b>2011</b> , 7, 117-123	1.2	
146	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
145	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
144	Two-Facing Irradiation of Laser Pulses to Suppress Position Shift of Expanded Tin Microsphere for Extreme Ultraviolet Light Source. <i>Applied Physics Express</i> , <b>2011</b> , 4, 056201	2.4	2
143	Fast and Robust Reconstruction of Penumbra Images by Combining Multiple Wiener Filters. <i>Plasma and Fusion Research</i> , <b>2011</b> , 6, 2406071-2406071	0.5	
142	Angular distribution of atoms emitted from a SrZrO <sub>3</sub> target by laser ablation under different laser fluences and oxygen pressures. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2010</b> , 28, 400-406	2.9	1
141	Comparative and quantitative study of neutral debris emanated from tin plasmas produced by neodymium-doped yttrium-aluminum-garnet and carbon dioxide laser pulses. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 111502	3.4	1
140	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
139	Heuristic optimization in penumbral image for high resolution reconstructed image. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 10E517	1.7	4
138	Characteristic measurements of silicon dioxide aerogel plasmas generated in a Planckian radiation environment. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 012701	2.1	5
137	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
136	Penumbra imaging with multi-penumbral-apertures and its heuristic reconstruction for nuclear reaction region diagnostics. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 032061	0.3	2
135	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
134	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

133	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
132	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
131	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
130	Radiation Temperature Measurement of an Imploded X-Ray Source with a Filtered-Multi-Channel Pinhole Camera. <i>Chinese Physics Letters</i> , <b>2010</b> , 27, 125202	1.8	3
129	X-ray spectroscopy of non-thermal equilibrium laboratory photo-ionized plasma. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 042013	0.3	
128	High-speed monochromatic x-ray imager for electron temperature mapping of fast igniter plasmas. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 032060	0.3	
127	X-ray monochromatic high-speed imager for FIREX fast ignition research. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 032056	0.3	2
126	Monochromatic X-Ray Emission from Laser Produced Plasma with A Clean Ultra-Short Laser Pulse. <i>The Review of Laser Engineering</i> , <b>2010</b> , 38, 698-701	0	1
125	How to Accelerate Research Activity in Laser Generations of XUV~X-Ray and Their Applications. <i>The Review of Laser Engineering</i> , <b>2010</b> , 38, 927-930	0	
124	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
123	Fabrication of the hollow SnO <sub>2</sub> nanoparticles contained spheres as extreme ultraviolet (EUV) target. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 358, 88-92	5.1	3
122	Magnetic Thrust Chamber Propulsion System for Controlling Laser-Produced Plasma by Magnetic Fields. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2010</b> , 8, Tb_1-Tb_4	0.3	
121	Transitions and the effects of configuration interaction in the spectra of Sn XV Sn XVIII. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	40
120	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
119	Identification of 4d <sup>5</sup> p transitions in the spectra of Sn XV Sn 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
118	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
117	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
116	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

115	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
114	Comparison between simulated and experimental emission spectra of photoionizing nitrogen plasma. <i>High Energy Density Physics</i> , <b>2009</b> , 5, 219-220	1.2	0
113	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
112	TIME-DEPENDENT SIMULATION OF PHOTOIONIZED PLASMA CREATED BY LABORATORY BLACKBODY RADIATOR. <i>Astrophysical Journal</i> , <b>2009</b> , 706, 592-598	4.7	9
111	EUV emissions of highly charged Fe ions in charge exchange collisions with He and H2. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 194, 082025	0.3	
110	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
109	VUV emission spectra in charge-exchange collisions of multiply charged Sn ions with rare gases. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 194, 082031	0.3	
108	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	
107	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
106	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
105	Charge-state distribution in a photoionized laser-produced plasma. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042004	0.3	
104	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
103	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
102	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
101	Absorption spectra measurements of the x-ray radiation heated sio2 aerogel plasma in dog-bone targets irradiated by high power laser pulses. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042005	0.3	
100	Opacity Studies of Silicon in Radiatively Heated Plasma. <i>Astrophysical Journal</i> , <b>2008</b> , 683, 577-583	4.7	27
99	Rayleigh-Taylor instability growth on low-density foam targets. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 092109	2.1	12
98	Observation of asymmetrically imploded core plasmas with a two-dimensional sampling image x-ray streak camera. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 10E920	1.7	4



97	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
96	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
95	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
94	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
93	Streaked x-ray backlighting with twin-slit imager for study of density profile and trajectory of low-density foam target filled with deuterium liquid. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 10E916	1.7	1
92	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
91	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
90	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
89	Impact vaporization of rocks using a high-power laser. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042014	0.3	2
88	A new method to prepare minimum-mass tin EUV targets. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 032065	0.3	2
87	X-ray polarization measurement for fast electrons in intense-laser-produced plasma under oblique incidence. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022101	0.3	1
86	Integral cross sections with magnetic sublevels of He-like ions by electron impact excitation for x-ray polarization spectroscopic analysis. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022104	0.3	
85	Diagnostics of anisotropic hot electron velocity distribution using x-ray polarization spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022105	0.3	2
84	Characterization of extreme ultraviolet emission from tin-droplets irradiated with Nd:YAG laser plasmas. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042064	0.3	
83	Neutron generation from impact fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022065	0.3	3
82	Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions <b>2008</b> ,		6
81	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
80	EUV light source by high power laser. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042047	0.3	6



79	Optimum laser-produced plasma for extreme ultraviolet light source. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042049	0.3	3
78	Study on anisotropic fast electron transport by polarized K-shell radiation in ultra-short intense laser produced plasmas. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022097	0.3	
77	X-ray polarization spectroscopy to study energy transport in ultra-high intensity laser produced plasmas. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022080	0.3	3
76	Supersonic heat wave propagation in laser-produced underdense plasma for efficient x-ray generation. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022076	0.3	5
75	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
74	e-Science in high energy density science research. <i>Fusion Engineering and Design</i> , <b>2008</b> , 83, 525-529	1.7	1
73	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
72	Atomic Model and Optimization of EUV Light Source. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 690-699	0	
71	Basic Research on EUV Source Development. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 700-707	0	
70	Extreme Ultraviolet (EUV) Radiation from Punched-Out Target. <i>The Review of Laser Engineering</i> , <b>2008</b> , 36, 736-741	0	
69	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
68	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
67	Time-dependent X-ray polarization analysis for anisotropic distribution of hot electrons in ultrahigh intensity laser plasmas. <i>High Energy Density Physics</i> , <b>2007</b> , 3, 131-135	1.2	2
66	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
65	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
64	Comprehensive diagnosis of growth rates of the ablative Rayleigh-Taylor instability. <i>Physical Review Letters</i> , <b>2007</b> , 98, 045002	7.4	54
63	Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 122702	2.1	19
62	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

61	Development of Bunching-Out Target to Generate Extreme Ultraviolet (EUV) Light. <i>Fusion Science and Technology</i> , <b>2007</b> , 51, 769-771	1.1	2
60	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
59	X-Ray Polarization Spectroscopy of He Line Emission for Diagnosis of the Anisotropy of Hot Electrons. <i>Plasma and Fusion Research</i> , <b>2007</b> , 2, 013-013	0.5	3
58	Monochromatic X-Ray Sampling Imager for Laser-Imploded Core Plasma Observation with Highly Spatial, Temporal, and Spectral Resolutions. <i>Plasma and Fusion Research</i> , <b>2007</b> , 2, S1017-S1017	0.5	1
57	Radiative Properties and Hydrodynamics of Laser Produced Tin Plasma for Efficient Extreme Ultraviolet Light Source <b>2007</b> , 607-618		
56	Application of X-Ray Spectroscopy to the Study of Energy Transport in Plasma Produced by an Ultrahigh-Intensity Laser. <i>Springer Series in Chemical Physics</i> , <b>2007</b> , 199-214	0.3	
55	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
54	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
53	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
52	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
51	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
50	Conversion efficiency of extreme ultraviolet radiation in laser-produced plasmas. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 033107	2.1	18
49	Tin-Polymer Composite on a Rotating Drum as a High Repetition Rate Laser Target for Extreme Ultraviolet Generation. <i>Fusion Science and Technology</i> , <b>2006</b> , 49, 691-694	1.1	4
48	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas <b>2006</b> , 6151, 1051		6
47	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
46	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
45	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
44	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

43	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
42	Ion energy spectrum of expanding laser-plasma with limited mass. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 062706	2.1	64
41	Preparation of Low-Density Macrocylular Tin Dioxide Foam with Variable Window Size. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1115-1122	9.6	30
40	Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. <i>Physical Review Letters</i> , <b>2005</b> , 95, 235004	7.4	119
39	Evaluation of tin-foil targets for debris mitigation in laser generated EUV source <b>2005</b> , 5751, 815		2
38	Target fabrication of low-density and nanoporous tin oxide as laser targets to generate extreme ultraviolet <b>2005</b> , 5751, 867		1
37	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets <b>2005</b> ,		7
36	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
35	Towards realization of hyper-velocities for impact fast ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2005</b> , 47, B815-B822	2	24
34	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
33	Implosion hydrodynamics of fast ignition targets). <i>Physics of Plasmas</i> , <b>2005</b> , 12, 056312	2.1	41
32	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
31	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
30	Absolute calibration of extreme ultraviolet optical components with an x-ray-induced fluorescence source. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 113109	1.7	3
29	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
28	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
27	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
26	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

25	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
24	Progress and perspectives of fast ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2004</b> , 46, B41-B49	2	14
23	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
22	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
21	Temporal resolved x-ray penumbral imaging technique using heuristic image reconstruction procedure and wide dynamic range x-ray streak camera. <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 4010-4012	1.7	12
20	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
19	Estimation of emission efficiency for laser-produced EUV plasmas <b>2004</b> ,		5
18	Dependence of EUV emission properties on laser wavelength <b>2004</b> ,		3
17	Properties of EUV emissions from laser-produced tin plasmas <b>2004</b> , 5374, 912		5
16	Study on EUV emission properties of laser-produced plasma at ILE, Osaka <b>2004</b> ,		6
15	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
14	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		
13	X-ray imaging diagnostics for laser-driven hydrodynamic instability experiments. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 2194-2197	1.7	4
12	High-speed x-ray radiographic measurement of laser-driven hydrodynamic instability <b>2003</b> , 4948, 425		
11	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
10	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
9	Fast heating scalable to laser fusion ignition. <i>Nature</i> , <b>2002</b> , 418, 933-4	50.4	398
8	Imprint reduction in a plasma layer preformed with x-ray irradiation. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 1381-1391		11

7	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
6	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
5	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
4	Rayleigh Taylor and Laser Imprinting Diagnostics <b>2002</b> , 169-176		
3	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
2	Density profile of the ablating plasma produced by soft x-ray irradiation. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 653-656	1.7	2
1	Observation of low-mode implosion nonuniformity of plastic-shell targets in the acceleration phase <b>2000</b> , 3886, 457		