

Keisuke Shigemori

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4300780/keisuke-shigemori-publications-by-year.pdf>

Version: 2024-04-24

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.

152
papers

3,895
citations

31
h-index

60
g-index

166
ext. papers

4,173
ext. citations

3.4
avg, IF

3.81
L-index

#	Paper	IF	Citations
152	Recent progress in matter in extreme states created by laser. <i>Matter and Radiation at Extremes</i> , 2022 , 7, 013001	4.7	1
151	Refractive index measurements of solid deuterium-tritium.. <i>Scientific Reports</i> , 2022 , 12, 2223	4.9	
150	Direct-drive implosion experiment of diamond capsules fabricated with hot filament chemical vapor deposition technique. <i>Physics of Plasmas</i> , 2021 , 28, 104501	2.1	0
149	Liquid Structure of Tantalum under Internal Negative Pressure. <i>Physical Review Letters</i> , 2021 , 126, 175503	7.4	2
148	Bremsstrahlung cannon design for shock ignition relevant regime. <i>Review of Scientific Instruments</i> , 2021 , 92, 013501	1.7	2
147	Laser astrophysics experiment on the amplification of magnetic fields by shock-induced interfacial instabilities. <i>Physical Review E</i> , 2021 , 104, 035206	2.4	2
146	In situ observation of the Rayleigh-Taylor instability of liquid Fe and FeSi alloys under extreme conditions: Implications for planetary core formation. <i>Matter and Radiation at Extremes</i> , 2021 , 6, 054403	4.7	2
145	Shock Hugoniot Data for Water up to 5 Mbar Obtained with Quartz Standard at High-Energy Laser Facilities. <i>Laser and Particle Beams</i> , 2021 , 2021, 1-10	0.9	0
144	Surface structure on diamond foils generated by spatially nonuniform laser irradiation. <i>Scientific Reports</i> , 2020 , 10, 9017	4.9	1
143	Two-color laser-plasma interactions for efficient production of non-thermal hot electrons. <i>High Energy Density Physics</i> , 2020 , 36, 100843	1.2	
142	Dependences of morphology and surface roughness on growth conditions of diamond capsules for the direct-drive inertial confinement fusion. <i>High Energy Density Physics</i> , 2020 , 37, 100849	1.2	1
141	Observation of ultra-high energy density state with x-ray free electron laser SACLA. <i>High Energy Density Physics</i> , 2020 , 36, 100813	1.2	1
140	Preliminary results from the LMJ-PETAL experiment on hot electrons characterization in the context of shock ignition. <i>High Energy Density Physics</i> , 2020 , 36, 100796	1.2	10
139	The role of hot electrons on ultrahigh pressure generation relevant to shock ignition conditions. <i>High Energy Density Physics</i> , 2020 , 37, 100892	1.2	1
138	Generation of residual stress field in metal by an interference shock wave. <i>High Energy Density Physics</i> , 2020 , 37, 100864	1.2	
137	Development of a 100-J DPSSL as a laser processing platform in the TACMI consortium. <i>High Energy Density Physics</i> , 2020 , 36, 100800	1.2	3
136	Measurements of Rayleigh-Taylor instability growth of laser-shocked iron-silicon alloy. <i>High Pressure Research</i> , 2019 , 39, 150-159	1.6	1

135	Synthesis and characterization of diamond capsules for direct-drive inertial confinement fusion. <i>Diamond and Related Materials</i> , 2018 , 86, 15-19	3.5	6
134	Effect of equation of state on laser imprinting by comparing diamond and polystyrene foils. <i>Physics of Plasmas</i> , 2018 , 25, 032706	2.1	7
133	3 μ m D-D Neutron Generation by High-Intensity Laser Irradiation onto the Inner Surface of Spherical CD Shells. <i>Plasma and Fusion Research</i> , 2018 , 13, 2401028-2401028	0.5	
132	Improvement in the heating efficiency of fast ignition inertial confinement fusion through suppression of the preformed plasma. <i>Nuclear Fusion</i> , 2017 , 57, 066022	3.3	3
131	Recovery of entire shocked samples in a range of pressure from ~100 GPa to Hugoniot elastic limit. <i>Meteoritics and Planetary Science</i> , 2016 , 51, 1153-1162	2.8	7
130	Mitigation of Laser Imprinting with Diamond Ablator for Direct-Drive Inertial Confinement Fusion Targets. <i>Journal of Physics: Conference Series</i> , 2016 , 688, 012107	0.3	1
129	Converging shock generation with cone target filled with low density foam. <i>Journal of Physics: Conference Series</i> , 2016 , 717, 012050	0.3	1
128	An optimum design of implosion with external magnetic field for electron beam guiding in fast ignition. <i>Journal of Physics: Conference Series</i> , 2016 , 717, 012041	0.3	4
127	Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field. <i>Physics of Plasmas</i> , 2016 , 23, 056308	2.1	44
126	Flash K α radiography of laser-driven solid sphere compression for fast ignition. <i>Applied Physics Letters</i> , 2016 , 108, 254101	3.4	22
125	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. <i>Physical Review E</i> , 2015 , 91, 063102	2.4	23
124	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> , 2015 , 10, 1404076-1404076	0.5	1
123	Propagation of Sinusoidally-Corrugated Shock Fronts of Laser-Supported Detonations 2015 , 271-276		
122	About carbon reflectivity in the Mbar regime. <i>Physica Scripta</i> , 2014 , T161, 014018	2.6	
121	Production of sulphate-rich vapour during the Chicxulub impact and implications for ocean acidification. <i>Nature Geoscience</i> , 2014 , 7, 279-282	18.3	46
120	Measurement of heating laser injection time in a fast-ignition experiment. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 045004	2	2
119	Sound velocity and density measurements of liquid iron up to 800 GPa: A universal relation between Birch's law coefficients for solid and liquid metals. <i>Earth and Planetary Science Letters</i> , 2014 , 392, 80-85	5.3	9
118	A new target design for laser shock-compression studies of carbon reflectivity in the megabar regime. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	9

117	Extremely high-pressure generation and compression with laser implosion plasmas. <i>Applied Physics Letters</i> , 2013 , 102, 183501	3.4	3
116	Advances in the investigation of shock-induced reflectivity of porous carbon. <i>Laser and Particle Beams</i> , 2013 , 31, 457-464	0.9	1
115	Implosion and heating experiments of fast ignition targets by Gekko-XII and LFEX lasers. <i>EPJ Web of Conferences</i> , 2013 , 59, 01008	0.3	2
114	Present status of fast ignition realization experiment and inertial fusion energy development. <i>Nuclear Fusion</i> , 2013 , 53, 104021	3.3	21
113	Kilotesla magnetic field due to a capacitor-coil target driven by high power laser. <i>Scientific Reports</i> , 2013 , 3, 1170	4.9	215
112	Flyer acceleration experiments using high-power laser. <i>EPJ Web of Conferences</i> , 2013 , 59, 19002	0.3	1
111	High-resolution X-ray imaging in fast ignition experiment using Gekko and LFEX lasers. <i>EPJ Web of Conferences</i> , 2013 , 59, 03006	0.3	1
110	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> , 2012 , 54, 124042	2	35
109	Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. <i>High Energy Density Physics</i> , 2012 , 8, 227-230	1.2	18
108	Shock-induced silicate vaporization: The role of electrons. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
107	Sound velocity measurements by x-ray shadowgraph technique for melting phenomena at ultrahigh-pressure regime. <i>Review of Scientific Instruments</i> , 2012 , 83, 10E529	1.7	4
106	Direct measurement of chemical composition of SO _x in impact vapor using a laser gun 2012 ,		2
105	Time-resolved spectroscopic observations of shockinduced silicate ionization 2012 ,		4
104	Fast ignition integrated experiments with Gekko and LFEX lasers. <i>Plasma Physics and Controlled Fusion</i> , 2011 , 53, 124029	2	46
103	SILICATE DUST SIZE DISTRIBUTION FROM HYPERVELOCITY COLLISIONS: IMPLICATIONS FOR DUST PRODUCTION IN DEBRIS DISKS. <i>Astrophysical Journal Letters</i> , 2011 , 733, L39	7.9	26
102	Investigation of carbon in megabar regime. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 653, 116-120	1.2	
101	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> , 2011 , 653, 84-88	1.2	10
100	Temperature measurements of electrostatic shocks in laser-produced counter-streaming plasmas. <i>Astrophysics and Space Science</i> , 2011 , 336, 283-286	1.6	10

99	Laser-shock compression and Hugoniot measurements of liquid hydrogen to 55 GPa. <i>Physical Review B</i> , 2011 , 83,	3.3	32
98	Sound Velocity Measurement of Pure Iron under Earth's Core Conditions Using Dynamic Compression. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2011 , 21, 84-90	0	
97	Measurement of preheating due to radiation and nonlocal electron heat transport in laser-irradiated targets. <i>Physics of Plasmas</i> , 2010 , 17, 032702	2.1	7
96	Observation of Complex Optical Processes in ZnSe under Extreme Optical Excitation from a Kilojoule-Class Nd:Glass Laser. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 062601	1.4	
95	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> , 2010 , 115,		15
94	In-situ spectroscopic observations of silicate vaporization due to >10 km/s impacts using laser driven projectiles. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	8
93	Experimental investigation to demonstrate Impact Fast Ignition scheme. <i>Journal of Physics: Conference Series</i> , 2010 , 244, 022071	0.3	
92	Hugoniot and temperature measurements of liquid hydrogen by laser-shock compression. <i>Journal of Physics: Conference Series</i> , 2010 , 244, 042018	0.3	2
91	Implosion hydrodynamics and heating synchronization measurement using X-ray framing cameras. <i>Journal of Physics: Conference Series</i> , 2010 , 244, 022043	0.3	4
90	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , 2009 , 49, 104024	3.3	41
89	Shock Hugoniot and temperature data for polystyrene obtained with quartz standard. <i>Physics of Plasmas</i> , 2009 , 16, 062702	2.1	40
88	Experimental evidence of impact ignition: 100-fold increase of neutron yield by impactor collision. <i>Physical Review Letters</i> , 2009 , 102, 235002	7.4	39
87	Advanced Target Design for the FIREX-I Project. <i>Plasma and Fusion Research</i> , 2009 , 4, S1001-S1001	0.5	1
86	Laser-Shock Compression of Liquid Hydrogen and Interior Structure of Jupiter. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2009 , 19, 186-194	0	
85	Rayleigh-Taylor instability growth on low-density foam targets. <i>Physics of Plasmas</i> , 2008 , 15, 092109	2.1	12
84	High-Mach number collisionless shock and photo-ionized non-LTE plasma for laboratory astrophysics with intense lasers. <i>Plasma Physics and Controlled Fusion</i> , 2008 , 50, 124057	2	53
83	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> , 2008 , 79, 10E916	1.7	1
82	Measurement of heating laser injection time to imploded core plasma by using x-ray framing camera. <i>Review of Scientific Instruments</i> , 2008 , 79, 10E909	1.7	11

81	Impact vaporization of rocks using a high-power laser. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 042014	0.3	2
80	Fabrication and characterization of planar cryogenic targets for GEKKO-XII. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 032068	0.3	
79	Non-dimensional scaling of impact fast ignition experiments. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022071	0.3	1
78	Temperature measurement of preheated planar-cryogenic targets. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022012	0.3	
77	Neutron generation from impact fast ignition. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022065	0.3	3
76	Measurement of PW laser injection time to imploded core plasma by using X-ray framing camera. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022069	0.3	
75	Multiple shock compression of diamond foils with a shaped laser pulse over 1 TPa. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 042023	0.3	2
74	Laboratory experiments to study astrophysical shock and jets. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 042020	0.3	
73	e-Science in high energy density science research. <i>Fusion Engineering and Design</i> , 2008 , 83, 525-529	1.7	1
72	High pressure generation and its implications by strong shock wave with intense laser. <i>The Review of Laser Engineering</i> , 2008 , 36, 59-60	0	
71	Experimental Study on High-Pressure Earth Science with Intense Laser. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2008 , 18, 55-61	0	1
70	Measurements of sound velocity of laser-irradiated iron foils relevant to Earth core condition. <i>European Physical Journal D</i> , 2007 , 44, 301-305	1.3	8
69	Comprehensive diagnosis of growth rates of the ablative Rayleigh-Taylor instability. <i>Physical Review Letters</i> , 2007 , 98, 045002	7.4	54
68	Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. <i>Physics of Plasmas</i> , 2007 , 14, 122702	2.1	19
67	Shock Pyrometry of Laser-Irradiated Foils Below 1 eV. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 4224-4226		
66	Measurements of Sound Velocity of Laser-Irradiated Iron Foils Relevant to Earth Core Condition. <i>AIP Conference Proceedings</i> , 2006 ,	0	1
65	Hugoniot measurement of diamond under laser shock compression up to 2TPa. <i>Physics of Plasmas</i> , 2006 , 13, 052705	2.1	47
64	Towards Metallization of Carbon by Strong Shock Compression with Intense Laser. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2006 , 16, 243-250	0	

63	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. <i>Applied Physics Letters</i> , 2005 , 86, 051501	3-4	93
62	Equation-of-state measurements for polystyrene at multi-TPa pressures in laser direct-drive experiments. <i>Physics of Plasmas</i> , 2005 , 12, 124503	2-1	23
61	Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. <i>Physical Review Letters</i> , 2005 , 95, 235004	7-4	119
60	Foam materials for cryogenic targets of fast ignition realization experiment (FIREX). <i>Nuclear Fusion</i> , 2005 , 45, 1277-1283	3-3	30
59	Towards realization of hyper-velocities for impact fast ignition. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, B815-B822	2	24
58	Laser-produced blast wave and numerical simulation using the FLASH code. <i>Laser and Particle Beams</i> , 2005 , 23, 513-519	0-9	1
57	Temperature-Dependent EUV Spectra of Xenon Plasmas Observed in the Compact Helical System. <i>Journal of Plasma and Fusion Research</i> , 2005 , 81, 480-481		3
56	Suppression of the Rayleigh-Taylor instability and its implication for the impact ignition. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, B245-B254	2	6
55	Suppression of Rayleigh-Taylor instability due to radiative ablation in brominated plastic targets. <i>Physics of Plasmas</i> , 2004 , 11, 2814-2822	2-1	28
54	Progress and perspectives of fast ignition. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, B41-B49	2	14
53	Suppression of the Rayleigh-Taylor instability due to self-radiation in a multiablation target. <i>Physical Review Letters</i> , 2004 , 92, 195001	7-4	67
52	GEKKO/HIPER-driven shock waves and equation-of-state measurements at ultrahigh pressures. <i>Physics of Plasmas</i> , 2004 , 11, 1600-1608	2-1	35
51	Fast plasma heating in a cone-attached geometry towards fusion ignition. <i>Nuclear Fusion</i> , 2004 , 44, S276-S283	3-3	35
50	Prepulse-free petawatt laser for a fast ignitor. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 281-293	2	117
49	Estimation of emission efficiency for laser-produced EUV plasmas 2004 ,		5
48	Dependence of EUV emission properties on laser wavelength 2004 ,		3
47	Properties of EUV emissions from laser-produced tin plasmas 2004 , 5374, 912		5
46	Study on EUV emission properties of laser-produced plasma at ILE, Osaka 2004 ,		6

45	Characterization of Extreme UV Radiation from Laser Produced Spherical Tin Plasmas for Use in Lithography. <i>Journal of Plasma and Fusion Research</i> , 2004 , 80, 325-330		10
44	Characterization of GEKKO/HIPER-Driven Shock Waves for Equation-of-State Experiments in Ultra-High-Pressure Regime. <i>Journal of Plasma and Fusion Research</i> , 2004 , 80, 486-491		1
43	Simultaneous Measurement of Temperature, Pressure and Shock-Wave Velocity of Compressed Polystyrene. <i>Journal of Plasma and Fusion Research</i> , 2004 , 80, 476-481		1
42	Suppression of Rayleigh-Taylor Instability Using High-Z Doped Plastic Targets for Inertial Fusion Energy. <i>Journal of Plasma and Fusion Research</i> , 2004 , 80, 597-604		
41	X-ray imaging diagnostics for laser-driven hydrodynamic instability experiments. <i>Review of Scientific Instruments</i> , 2003 , 74, 2194-2197	1.7	4
40	High-speed x-ray radiographic measurement of laser-driven hydrodynamic instability 2003 , 4948, 425		
39	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> , 2003 , 74, 2198-2201	1.7	10
38	Basic and integrated studies for fast ignition. <i>Physics of Plasmas</i> , 2003 , 10, 1925-1930	2.1	55
37	First observation of density profile in directly laser-driven polystyrene targets for ablative Rayleigh-Taylor instability research. <i>Physics of Plasmas</i> , 2003 , 10, 4784-4789	2.1	31
36	Fast heating scalable to laser fusion ignition. <i>Nature</i> , 2002 , 418, 933-4	50.4	398
35	Imprint reduction in a plasma layer preformed with x-ray irradiation. <i>Physics of Plasmas</i> , 2002 , 9, 1381-1391		11
34	Single spatial mode experiments on initial laser imprint on direct-driven planar targets. <i>Physics of Plasmas</i> , 2002 , 9, 1734-1744	2.1	15
33	Perturbation transfer from the front to rear surface of laser-irradiated targets. <i>Physical Review E</i> , 2002 , 65, 045401	2.4	3
32	Ablative Rayleigh-Taylor instability at short wavelengths observed with moiré interferometry. <i>Physical Review Letters</i> , 2002 , 88, 145003	7.4	46
31	Fast heating of super-solid density plasmas towards laser fusion ignition. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, B109-B119	2	11
30	Penumbra imaging for measurement of the ablation density in laser-driven targets. <i>Review of Scientific Instruments</i> , 2002 , 73, 2588-2596	1.7	16
29	Progress of Advanced Fusion Energy Studies with Ultra-Intense Lasers.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 792-798		1
28	Rayleigh Taylor and Laser Imprinting Diagnostics 2002 , 169-176		

27	Density profile of the ablating plasma produced by soft x-ray irradiation. <i>Review of Scientific Instruments</i> , 2001 , 72, 653-656	1.7	2
26	Fast heating of ultrahigh-density plasma as a step towards laser fusion ignition. <i>Nature</i> , 2001 , 412, 798-804	7.4	780
25	Investigation of ultrafast laser-driven radiative blast waves. <i>Physical Review Letters</i> , 2001 , 87, 085004	7.4	93
24	The Production of Strong Blast Waves through Intense Laser Irradiation of Atomic Clusters. <i>Astrophysical Journal, Supplement Series</i> , 2000 , 127, 299-304	8	46
23	Indirect/direct hybrid drive implosion experiments with x-ray pre-irradiation 2000 , 3886, 465		3
22	Modeling of Laser-generated Radiative Blast Waves. <i>Astrophysical Journal</i> , 2000 , 538, 645-652	4.7	30
21	Developing a Radiative Shock Experiment Relevant to Astrophysics. <i>Astrophysical Journal</i> , 2000 , 533, L159-L162	4.7	53
20	Indirect-direct hybrid target experiments with the GEKKO XII laser. <i>Nuclear Fusion</i> , 2000 , 40, 547-556	3.3	24
19	Feed-out of rear surface perturbation due to rarefaction wave in laser-irradiated targets. <i>Physical Review Letters</i> , 2000 , 84, 5331-4	7.4	21
18	Experiments on radiative collapse in laser-produced plasmas relevant to astrophysical jets. <i>Physical Review E</i> , 2000 , 62, 8838-41	2.4	92
17	Formation of Initial Perturbation of Rayleigh-Taylor Instability in Supernovae and Laser-irradiated Targets: Is There Any Similarity?. <i>Astrophysical Journal, Supplement Series</i> , 2000 , 127, 219-225	8	6
16	Radiative Jet Experiments of Astrophysical Interest Using Intense Lasers. <i>Physical Review Letters</i> , 1999 , 83, 1982-1985	7.4	150
15	Rippled shock propagation and hydrodynamic perturbation growth in laser implosion. <i>Journal of Materials Processing Technology</i> , 1999 , 85, 34-38	5.3	5
14	Effects of non-local electron thermal transport on ablative Rayleigh-Taylor instability. <i>Fusion Engineering and Design</i> , 1999 , 44, 205-208	1.7	1
13	Hydrodynamic perturbation growth in the start-up phase. <i>Fusion Engineering and Design</i> , 1999 , 44, 199-203		3
12	Moiré Interferometry of short wavelength Rayleigh-Taylor growth. <i>Review of Scientific Instruments</i> , 1999 , 70, 637-641	1.7	12
11	Shigemori et al. Reply:. <i>Physical Review Letters</i> , 1998 , 80, 3415-3415	7.4	3
10	Measurements of mass ablation rate of laser-irradiated target by the face-on x-ray backlighting technique. <i>Review of Scientific Instruments</i> , 1998 , 69, 3942-3944	1.7	8

9	Rippled Shock Propagation and Hydrodynamic Perturbation Growth in Laser Implosion.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998 , 7, 930-932	0	
8	High-convergence uniform implosion of fusion pellets with the new GEKKO laser. <i>Plasma Physics and Controlled Fusion</i> , 1997 , 39, A401-A409	2	1
7	Measurements of Rayleigh-Taylor Growth Rate of Planar Targets Irradiated Directly by Partially Coherent Light. <i>Physical Review Letters</i> , 1997 , 78, 250-253	7.4	105
6	Direct-drive hydrodynamic instability experiments on the GEKKO XII laser. <i>Physics of Plasmas</i> , 1997 , 4, 4079-4089	2.1	88
5	Recent progress of implosion experiments with uniformity-improved GEKKO XII laser facility at the Institute of Laser Engineering, Osaka University. <i>Physics of Plasmas</i> , 1996 , 3, 2077-2083	2.1	33
4	Dynamic behavior of rippled shock waves and subsequently induced areal-density-perturbation growth in laser-irradiated foils. <i>Physical Review Letters</i> , 1995 , 74, 3608-3611	7.4	57
3	Dynamic Behavior of Rippled Shock Waves and Subsequently Induced Areal-Density-Perturbation Growth in Laser-Irradiated Foils. <i>Physical Review Letters</i> , 1995 , 75, 2908-2908	7.4	9
2	Experimental observation of transmission- and self-emission-type radiation transport in x-ray-produced plasmas. <i>Physical Review E</i> , 1994 , 49, R1815-R1818	2.4	3

1