

Keisuke Shigemori

List of Publications by Year in descending order

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166
papers

4,420
citations

126907

33
h-index

106344

65
g-index

166
all docs

166
docs citations

166
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in matter in extreme states created by laser. Matter and Radiation at Extremes, 2022, 7, Hugoniot equation-of-state and structure of laser-shocked polyimide	3.9	7
2	C_{22} H_{10} N_2 O_5 Refractive index measurements of solid deuterium-tritium. Scientific Reports, 2022, 12, 2223.	3.2	4
3	Refractive index measurements of solid deuterium-tritium. Scientific Reports, 2022, 12, 2223.	3.3	2
4	Development of an experimental platform for the investigation of laser-plasma interaction in conditions relevant to shock ignition regime. Review of Scientific Instruments, 2022, 93, .	1.3	3
5	Bremsstrahlung cannon design for shock ignition relevant regime. Review of Scientific Instruments, 2021, 92, 013501.	1.3	7
6	Liquid Structure of Tantalum under Internal Negative Pressure. Physical Review Letters, 2021, 126, 175503.	7.8	6
7	Laser astrophysics experiment on the amplification of magnetic fields by shock-induced interfacial instabilities. Physical Review E, 2021, 104, 035206.	2.1	9
8	<i>In situ</i> observation of the Rayleigh-Taylor instability of liquid Fe and Fe-Si alloys under extreme conditions: Implications for planetary core formation. Matter and Radiation at Extremes, 2021, 6, .	3.9	5
9	Direct-drive implosion experiment of diamond capsules fabricated with hot filament chemical vapor deposition technique. Physics of Plasmas, 2021, 28, 104501.	1.9	3
10	Shock Hugoniot Data for Water up to 5 Mbar Obtained with Quartz Standard at High-Energy Laser Facilities. Laser and Particle Beams, 2021, 2021, .	1.0	2
11	Observation of ultra-high energy density state with x-ray free electron laser SACLA. High Energy Density Physics, 2020, 36, 100813.	1.5	4
12	Preliminary results from the LMJ-PETAL experiment on hot electrons characterization in the context of shock ignition. High Energy Density Physics, 2020, 36, 100796.	1.5	19
13	The role of hot electrons on ultrahigh pressure generation relevant to shock ignition conditions. High Energy Density Physics, 2020, 37, 100892.	1.5	3
14	Generation of residual stress field in metal by an interference shock wave. High Energy Density Physics, 2020, 37, 100864.	1.5	0
15	Development of a 100-J DPSSL as a laser processing platform in the TACMI consortium. High Energy Density Physics, 2020, 36, 100800.	1.5	13
16	Surface structure on diamond foils generated by spatially nonuniform laser irradiation. Scientific Reports, 2020, 10, 9017.	3.3	1
17	Two-color laser-plasma interactions for efficient production of non-thermal hot electrons. High Energy Density Physics, 2020, 36, 100843.	1.5	0
18	Dependences of morphology and surface roughness on growth conditions of diamond capsules for the direct-drive inertial confinement fusion. High Energy Density Physics, 2020, 37, 100849.	1.5	2

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19	Measurements of Rayleigh–Taylor instability growth of laser-shocked iron–silicon alloy. High Pressure Research, 2019, 39, 150-159.	1.2	1
20	Synthesis and characterization of diamond capsules for direct-drive inertial confinement fusion. Diamond and Related Materials, 2018, 86, 15-19.	3.9	9
21	Effect of equation of state on laser imprinting by comparing diamond and polystyrene foils. Physics of Plasmas, 2018, 25, 032706.	1.9	9
22	3×10^8 D-D Neutron Generation by High-Intensity Laser Irradiation onto the Inner Surface of Spherical CD Shells. Plasma and Fusion Research, 2018, 13, 2401028-2401028.	0.7	0
23	Improvement in the heating efficiency of fast ignition inertial confinement fusion through suppression of the preformed plasma. Nuclear Fusion, 2017, 57, 066022.	3.5	3
24	Mitigation of Laser Imprinting with Diamond Ablator for Direct-Drive Inertial Confinement Fusion Targets. Journal of Physics: Conference Series, 2016, 688, 012107.	0.4	1
25	Converging shock generation with cone target filled with low density foam. Journal of Physics: Conference Series, 2016, 717, 012050.	0.4	1
26	An optimum design of implosion with external magnetic field for electron beam guiding in fast ignition. Journal of Physics: Conference Series, 2016, 717, 012041.	0.4	4
27	Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field. Physics of Plasmas, 2016, 23, .	1.9	54
28	Flash radiography of laser-driven solid sphere compression for fast ignition. Applied Physics Letters, 2016, 108, .	3.3	25
29	Recovery of entire shocked samples in a range of pressure from ~ 100 GPa to Hugoniot elastic limit. Meteoritics and Planetary Science, 2016, 51, 1153-1162.	1.6	10
30	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. Physical Review E, 2015, 91, 063102.	2.1	23
31	Measurements of Preformed Plasma Generation and Its Suppression Inside a Cone in a Cone-in-Shell Target for Fast Ignition. Plasma and Fusion Research, 2015, 10, 1404076-1404076.	0.7	1
32	Propagation of Sinusoidally-Corrugated Shock Fronts of Laser-Supported Detonations. , 2015, , 271-276.		0
33	About carbon reflectivity in the Mbar regime. Physica Scripta, 2014, T161, 014018.	2.5	0
34	Production of sulphate-rich vapour during the Chicxulub impact and implications for ocean acidification. Nature Geoscience, 2014, 7, 279-282.	12.9	57
35	Measurement of heating laser injection time in a fast-ignition experiment. Plasma Physics and Controlled Fusion, 2014, 56, 045004.	2.1	3
36	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. Earth and Planetary Science Letters, 2014, 392, 80-85.	4.4	13

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37	A new target design for laser shock-compression studies of carbon reflectivity in the megabar regime. European Physical Journal D, 2013, 67, 1.	1.3	9
38	Extremely high-pressure generation and compression with laser implosion plasmas. Applied Physics Letters, 2013, 102, .	3.3	4
39	Advances in the investigation of shock-induced reflectivity of porous carbon. Laser and Particle Beams, 2013, 31, 457-464.	1.0	1
40	Present status of fast ignition realization experiment and inertial fusion energy development. Nuclear Fusion, 2013, 53, 104021.	3.5	27
41	Kilotesla Magnetic Field due to a Capacitor-Coil Target Driven by High Power Laser. Scientific Reports, 2013, 3, 1170.	3.3	246
42	Flyer acceleration experiments using high-power laser. EPJ Web of Conferences, 2013, 59, 19002.	0.3	1
43	High-resolution X-ray imaging in fast ignition experiment using Gekko and LFEX lasers. EPJ Web of Conferences, 2013, 59, 03006.	0.3	1
44	Implosion and heating experiments of fast ignition targets by Gekko-XII and LFEX lasers. EPJ Web of Conferences, 2013, 59, 01008.	0.3	2
45	Direct measurement of chemical composition of SOx in impact vapor using a laser gun. , 2012, , .		2
46	Flyer acceleration by high-power laser and impact experiments at velocities higher than 10 km/s. , 2012, , .		1
47	Time-resolved spectroscopic observations of shockinduced silicate ionization. AIP Conference Proceedings, 2012, , .	0.4	4
48	High-energy-density plasmas generation on GEKKO-LFEX laser facility for fast-ignition laser fusion studies and laboratory astrophysics. Plasma Physics and Controlled Fusion, 2012, 54, 124042.	2.1	40
49	Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. High Energy Density Physics, 2012, 8, 227-230.	1.5	22
50	Shock-induced silicate vaporization: The role of electrons. Journal of Geophysical Research, 2012, 117, .	3.3	16
51	Sound velocity measurements by x-ray shadowgraph technique for melting phenomena at ultrahigh-pressure regime. Review of Scientific Instruments, 2012, 83, 10E529.	1.3	5
52	Progress of impact ignition. , 2011, , .		0
53	Fast ignition integrated experiments with Gekko and LFEX lasers. Plasma Physics and Controlled Fusion, 2011, 53, 124029.	2.1	55
54	SILICATE DUST SIZE DISTRIBUTION FROM HYPERVELOCITY COLLISIONS: IMPLICATIONS FOR DUST PRODUCTION IN DEBRIS DISKS. Astrophysical Journal Letters, 2011, 733, L39.	8.3	31

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55	Investigation of carbon in megabar regime. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 116-120.	1.6	0
56	Present states and future prospect of fast ignition realization experiment (FIREX) with Gekko and LFEX Lasers at ILE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 84-88.	1.6	10
57	Temperature measurements of electrostatic shocks in laser-produced counter-streaming plasmas. Astrophysics and Space Science, 2011, 336, 283-286.	1.4	10
58	Laser-shock compression and Hugoniot measurements of liquid hydrogen to 55 GPa. Physical Review B, 2011, 83, .	3.2	35
59	Sound Velocity Measurement of Pure Iron under Earth's Core Conditions Using Dynamic Compression. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2011, 21, 84-90.	0.0	0
60	Experimental investigation to demonstrate Impact Fast Ignition scheme. Journal of Physics: Conference Series, 2010, 244, 022071.	0.4	0
61	Hugoniot and temperature measurements of liquid hydrogen by laser-shock compression. Journal of Physics: Conference Series, 2010, 244, 042018.	0.4	3
62	Implosion hydrodynamics and heating synchronization measurement using X-ray framing cameras. Journal of Physics: Conference Series, 2010, 244, 022043.	0.4	4
63	Present status and future prospect of Fast Ignition Realization Experiment (FIREX) Project at ILE, Osaka. , 2010, , .		1
64	Measurement of preheating due to radiation and nonlocal electron heat transport in laser-irradiated targets. Physics of Plasmas, 2010, 17, 032702.	1.9	9
65	Observation of Complex Optical Processes in ZnSe under Extreme Optical Excitation from a Kilojoule-Class Nd:Glass Laser. Japanese Journal of Applied Physics, 2010, 49, 062601.	1.5	0
66	Impact experiments with a new technique for acceleration of projectiles to velocities higher than Earth's escape velocity of 11.2 km/s. Journal of Geophysical Research, 2010, 115, .	3.3	15
67	In situ spectroscopic observations of silicate vaporization due to >10 km/s impacts using laser driven projectiles. Geophysical Research Letters, 2010, 37, .	4.0	9
68	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 104024.	3.5	45
69	Shock Hugoniot and temperature data for polystyrene obtained with quartz standard. Physics of Plasmas, 2009, 16, .	1.9	46
70	Experimental Evidence of Impact Ignition: 100-Fold Increase of Neutron Yield by Impactor Collision. Physical Review Letters, 2009, 102, 235002.	7.8	45
71	WIDE ANGLE X-RAY DIFFRACTION FOR SHOCKED PERICLASE. , 2009, , .		1
72	IMPACT EXPERIMENTS WITH PROJECTILES AT VELOCITIES HIGHER THAN 10 KM ² S. , 2009, , .		0

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73	Advanced Target Design for the FIREX-I Project. Plasma and Fusion Research, 2009, 4, S1001-S1001.	0.7	1
74	Laser-Shock Compression of Liquid Hydrogen and Interior Structure of Jupiter. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2009, 19, 186-194.	0.0	0
75	Three-photon Lasing from ZnSe Excited by a kilojoule-class Nd:Glass Laser. , 2009, , .		0
76	e-Science in high energy density science research. Fusion Engineering and Design, 2008, 83, 525-529.	1.9	1
77	Rayleigh-Taylor instability growth on low-density foam targets. Physics of Plasmas, 2008, 15, .	1.9	14
78	High-Mach number collisionless shock and photo-ionized non-LTE plasma for laboratory astrophysics with intense lasers. Plasma Physics and Controlled Fusion, 2008, 50, 124057.	2.1	60
79	Streaked x-ray backlighting with twin-slit imager for study of density profile and trajectory of low-density foam target filled with deuterium liquid. Review of Scientific Instruments, 2008, 79, 10E916.	1.3	1
80	Measurement of heating laser injection time to imploded core plasma by using x-ray framing camera. Review of Scientific Instruments, 2008, 79, 10E909.	1.3	14
81	Impact vaporization of rocks using a high-power laser. Journal of Physics: Conference Series, 2008, 112, 042014.	0.4	2
82	Fabrication and characterization of planar cryogenic targets for GEKKO-XII. Journal of Physics: Conference Series, 2008, 112, 032068.	0.4	0
83	Observation of the non-local electron transport effect by using phase zone plate. Journal of Physics: Conference Series, 2008, 112, 022008.	0.4	1
84	Non-dimensional scaling of impact fast ignition experiments. Journal of Physics: Conference Series, 2008, 112, 022071.	0.4	1
85	Temperature measurement of preheated planar-cryogenic targets. Journal of Physics: Conference Series, 2008, 112, 022012.	0.4	0
86	Neutron generation from impact fast ignition. Journal of Physics: Conference Series, 2008, 112, 022065.	0.4	3
87	Measurement of PW laser injection time to imploded core plasma by using X-ray framing camera. Journal of Physics: Conference Series, 2008, 112, 022069.	0.4	0
88	Simultaneous measurement of imploded core and heating laser injection by using x-ray framing camera. Proceedings of SPIE, 2008, , .	0.8	0
89	Multiple shock compression of diamond foils with a shaped laser pulse over 1 TPa. Journal of Physics: Conference Series, 2008, 112, 042023.	0.4	2
90	Laboratory experiments to study astrophysical shock and jets. Journal of Physics: Conference Series, 2008, 112, 042020.	0.4	0

#	ARTICLE	IF	CITATIONS
91	High pressure generation and its implications by strong shock wave with intense laser. The Review of Laser Engineering, 2008, 36, 59-60.	0.0	0
92	Experimental Study on High-Pressure Earth Science with Intense Laser. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2008, 18, 55-61.	0.0	1
93	Comprehensive Diagnosis of Growth Rates of the Ablative Rayleigh-Taylor Instability. Physical Review Letters, 2007, 98, 045002.	7.8	58
94	Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. Physics of Plasmas, 2007, 14, 122702.	1.9	20
95	Measurements of sound velocity of laser-irradiated iron foils relevant to Earth core condition. European Physical Journal D, 2007, 44, 301-305.	1.3	8
96	Shock Pyrometry of Laser-Irradiated Foils Below 1 eV. Japanese Journal of Applied Physics, 2006, 45, 4224-4226.	1.5	7
97	Measurements of Sound Velocity of Laser-Irradiated Iron Foils Relevant to Earth Core Condition. AIP Conference Proceedings, 2006, , .	0.4	1
98	Hugoniot measurement of diamond under laser shock compression up to 2TPa. Physics of Plasmas, 2006, 13, 052705.	1.9	53
99	Measurements of sound velocity of laser-irradiated iron foils relevant to earth core condition. European Physical Journal Special Topics, 2006, 133, 37-41.	0.2	1
100	Towards Metallization of Carbon by Strong Shock Compression with Intense Laser. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2006, 16, 243-250.	0.0	0
101	Towards realization of hyper-velocities for impact fast ignition. Plasma Physics and Controlled Fusion, 2005, 47, B815-B822.	2.1	25
102	Laser-produced blast wave and numerical simulation using the FLASH code. Laser and Particle Beams, 2005, 23, 513-519.	1.0	2
103	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. Applied Physics Letters, 2005, 86, 051501.	3.3	108
104	Equation-of-state measurements for polystyrene at multi-TPa pressures in laser direct-drive experiments. Physics of Plasmas, 2005, 12, 124503.	1.9	24
105	Opacity Effect on Extreme Ultraviolet Radiation from Laser-Produced Tin Plasmas. Physical Review Letters, 2005, 95, 235004.	7.8	146
106	Foam materials for cryogenic targets of fast ignition realization experiment (FIREX). Nuclear Fusion, 2005, 45, 1277-1283.	3.5	34
107	Temperature-Dependent EUV Spectra of Xenon Plasmas Observed in the Compact Helical System. Journal of Plasma and Fusion Research, 2005, 81, 480-481.	0.4	3
108	Suppression of the Rayleigh-Taylor instability and its implication for the impact ignition. Plasma Physics and Controlled Fusion, 2004, 46, B245-B254.	2.1	7

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109	Suppression of Rayleigh-Taylor instability due to radiative ablation in brominated plastic targets. <i>Physics of Plasmas</i> , 2004, 11, 2814-2822.	1.9	29
110	Experimental study on basic properties of laser-produced EUV plasmas on GEKKO-XII laser facility. , 2004, , .		0
111	Experimental study on ablative stabilization of Rayleigh-Taylor instability of laser-irradiated targets. , 2004, , .		0
112	Progress and perspectives of fast ignition. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, B41-B49.	2.1	18
113	Suppression of the Rayleigh-Taylor Instability due to Self-Radiation in a Multiablation Target. <i>Physical Review Letters</i> , 2004, 92, 195001.	7.8	74
114	GEKKO/HIPER-driven shock waves and equation-of-state measurements at ultrahigh pressures. <i>Physics of Plasmas</i> , 2004, 11, 1600-1608.	1.9	38
115	Fast plasma heating in a cone-attached geometry towards fusion ignition. <i>Nuclear Fusion</i> , 2004, 44, S276-S283.	3.5	36
116	Prepulse-Free Petawatt Laser for a Fast Ignitor. <i>IEEE Journal of Quantum Electronics</i> , 2004, 40, 281-293.	1.9	145
117	Estimation of emission efficiency for laser-produced EUV plasmas. , 2004, , .		5
118	Dependence of EUV emission properties on laser wavelength. , 2004, , .		3
119	Properties of EUV emissions from laser-produced tin plasmas. , 2004, 5374, 912.		5
120	Study on EUV emission properties of laser-produced plasma at ILE, Osaka. , 2004, , .		6
121	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.	0.4	10
122	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.	0.4	1
123	Simultaneous Measurement of Temperature, Pressure and Shock-Wave Velocity of Compressed Polystyrene. <i>Journal of Plasma and Fusion Research</i> , 2004, 80, 476-481.	0.4	1
124	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.	0.4	0
125	Basic and integrated studies for fast ignition. <i>Physics of Plasmas</i> , 2003, 10, 1925-1930.	1.9	58
126	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.	1.9	36

#	ARTICLE	IF	CITATIONS
127	X-ray imaging diagnostics for laser-driven hydrodynamic instability experiments. Review of Scientific Instruments, 2003, 74, 2194-2197.	1.3	5
128	High-speed x-ray radiographic measurement of laser-driven hydrodynamic instability. , 2003, 4948, 425.		0
129	Side-on measurement of hydrodynamics of laser-driven plasmas with high space- and time-resolution x-ray imaging technique. Review of Scientific Instruments, 2003, 74, 2198-2201.	1.3	12
130	Imprint reduction in a plasma layer preformed with x-ray irradiation. Physics of Plasmas, 2002, 9, 1381-1391.	1.9	12
131	Single spatial mode experiments on initial laser imprint on direct-driven planar targets. Physics of Plasmas, 2002, 9, 1734-1744.	1.9	15
132	Perturbation transfer from the front to rear surface of laser-irradiated targets. Physical Review E, 2002, 65, 045401.	2.1	6
133	Ablative Rayleigh-Taylor Instability at Short Wavelengths Observed with Moiré Interferometry. Physical Review Letters, 2002, 88, 145003.	7.8	53
134	Fast heating of super-solid density plasmas towards laser fusion ignition. Plasma Physics and Controlled Fusion, 2002, 44, B109-B119.	2.1	14
135	Penumbra imaging for measurement of the ablation density in laser-driven targets. Review of Scientific Instruments, 2002, 73, 2588-2596.	1.3	16
136	Fast heating scalable to laser fusion ignition. Nature, 2002, 418, 933-934.	27.8	445
137	Progress of Advanced Fusion Energy Studies with Ultra-Intense Lasers.. Journal of Plasma and Fusion Research, 2002, 78, 792-798.	0.4	1
138	Rayleigh Taylor and Laser Imprinting Diagnostics. , 2002, , 169-176.		0
139	Density profile of the ablating plasma produced by soft x-ray irradiation. Review of Scientific Instruments, 2001, 72, 653-656.	1.3	2
140	Fast heating of ultrahigh-density plasma as a step towards laser fusion ignition. Nature, 2001, 412, 798-802.	27.8	873
141	Investigation of Ultrafast Laser-Driven Radiative Blast Waves. Physical Review Letters, 2001, 87, 085004.	7.8	104
142	The Production of Strong Blast Waves through Intense Laser Irradiation of Atomic Clusters. Astrophysical Journal, Supplement Series, 2000, 127, 299-304.	7.7	49
143	Indirect/direct hybrid drive implosion experiments with x-ray pre-irradiation. , 2000, 3886, 465.		3
144	Modeling of Laser-generated Radiative Blast Waves. Astrophysical Journal, 2000, 538, 645-652.	4.5	31

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145	Developing a Radiative Shock Experiment Relevant to Astrophysics. <i>Astrophysical Journal</i> , 2000, 533, L159-L162.	4.5	53
146	Indirect-direct hybrid target experiments with the GEKKO XII laser. <i>Nuclear Fusion</i> , 2000, 40, 547-556.	3.5	30
147	Feed-out of Rear Surface Perturbation due to Rarefaction Wave in Laser-Irradiated Targets. <i>Physical Review Letters</i> , 2000, 84, 5331-5334.	7.8	21
148	Experiments on radiative collapse in laser-produced plasmas relevant to astrophysical jets. <i>Physical Review E</i> , 2000, 62, 8838-8841.	2.1	98
149	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.	7.7	6
150	Radiative Jet Experiments of Astrophysical Interest Using Intense Lasers. <i>Physical Review Letters</i> , 1999, 83, 1982-1985.	7.8	158
151	Rippled shock propagation and hydrodynamic perturbation growth in laser implosion. <i>Journal of Materials Processing Technology</i> , 1999, 85, 34-38.	6.3	5
152	Effects of non-local electron thermal transport on ablative Rayleigh-Taylor instability. <i>Fusion Engineering and Design</i> , 1999, 44, 205-208.	1.9	2
153	Hydrodynamic perturbation growth in the start-up phase. <i>Fusion Engineering and Design</i> , 1999, 44, 199-203.	1.9	0
154	Moiré interferometry of short wavelength Rayleigh-Taylor growth. <i>Review of Scientific Instruments</i> , 1999, 70, 637-641.	1.3	15
155	Shigemori et al. Reply. <i>Physical Review Letters</i> , 1998, 80, 3415-3415.	7.8	3
156	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.	1.3	9
157	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.	0.0	0
158	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	1
159	Measurements of Rayleigh-Taylor Growth Rate of Planar Targets Irradiated Directly by Partially Coherent Light. <i>Physical Review Letters</i> , 1997, 78, 250-253.	7.8	113
160	Direct-drive hydrodynamic instability experiments on the GEKKO XII laser. <i>Physics of Plasmas</i> , 1997, 4, 4079-4089.	1.9	92
161	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.	1.9	34
162	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.	7.8	59

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163	Dynamic Behavior of Rippled Shock Waves and Subsequently Induced Areal-Density-Perturbation Growth in Laser-Irradiated Foils. Physical Review Letters, 1995, 75, 2908-2908.	7.8	9
164	Experimental observation of transmission- and self-emission-type radiation transport in x-ray-produced plasmas. Physical Review E, 1994, 49, R1815-R1818.	2.1	3
165	Progress in understanding of laser-produced plasmas for EUV source. , 0, , .		0
166	Fast heating of ultrahigh-density plasma as a step towards laser fusion ignition. , 0, .		1