

Keisuke Shigemori

List of Publications by Citations

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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	Fast heating of ultrahigh-density plasma as a step towards laser fusion ignition. <i>Nature</i> , 2001 , 412, 798-802	52.4	780
151	Fast heating scalable to laser fusion ignition. <i>Nature</i> , 2002 , 418, 933-4	50.4	398
150	Kilotesla magnetic field due to a capacitor-coil target driven by high power laser. <i>Scientific Reports</i> , 2013 , 3, 1170	4.9	215
149	Radiative Jet Experiments of Astrophysical Interest Using Intense Lasers. <i>Physical Review Letters</i> , 1999 , 83, 1982-1985	7.4	150
148	Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. <i>Physical Review Letters</i> , 2005 , 95, 235004	7.4	119
147	Prepulse-free petawatt laser for a fast ignitor. <i>IEEE Journal of Quantum Electronics</i> , 2004 , 40, 281-293	2	117
146	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
145	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
144	Investigation of ultrafast laser-driven radiative blast waves. <i>Physical Review Letters</i> , 2001 , 87, 085004	7.4	93
143	Experiments on radiative collapse in laser-produced plasmas relevant to astrophysical jets. <i>Physical Review E</i> , 2000 , 62, 8838-41	2.4	92
142	Direct-drive hydrodynamic instability experiments on the GEKKO XII laser. <i>Physics of Plasmas</i> , 1997 , 4, 4079-4089	2.1	88
141	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
140	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
139	Basic and integrated studies for fast ignition. <i>Physics of Plasmas</i> , 2003 , 10, 1925-1930	2.1	55
138	Comprehensive diagnosis of growth rates of the ablative Rayleigh-Taylor instability. <i>Physical Review Letters</i> , 2007 , 98, 045002	7.4	54
137	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
136	Developing a Radiative Shock Experiment Relevant to Astrophysics. <i>Astrophysical Journal</i> , 2000 , 533, L159-L162	4.7	53

135	Hugoniot measurement of diamond under laser shock compression up to 2TPa. <i>Physics of Plasmas</i> , 2006 , 13, 052705	2.1	47
134	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
133	Fast ignition integrated experiments with Gekko and LFEX lasers. <i>Plasma Physics and Controlled Fusion</i> , 2011 , 53, 124029	2	46
132	Ablative Rayleigh-Taylor instability at short wavelengths observed with moiré interferometry. <i>Physical Review Letters</i> , 2002 , 88, 145003	7.4	46
131	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
130	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
129	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , 2009 , 49, 104024	3.3	41
128	Shock Hugoniot and temperature data for polystyrene obtained with quartz standard. <i>Physics of Plasmas</i> , 2009 , 16, 062702	2.1	40
127	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
126	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
125	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
124	Fast plasma heating in a cone-attached geometry towards fusion ignition. <i>Nuclear Fusion</i> , 2004 , 44, S276-S283	3.3	35
123	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
122	Laser-shock compression and Hugoniot measurements of liquid hydrogen to 55 GPa. <i>Physical Review B</i> , 2011 , 83,	3.3	32
121	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
120	Foam materials for cryogenic targets of fast ignition realization experiment (FIREX). <i>Nuclear Fusion</i> , 2005 , 45, 1277-1283	3.3	30
119	Modeling of Laser-generated Radiative Blast Waves. <i>Astrophysical Journal</i> , 2000 , 538, 645-652	4.7	30
118	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

117	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
116	Towards realization of hyper-velocities for impact fast ignition. <i>Plasma Physics and Controlled Fusion</i> , 2005 , 47, B815-B822	2	24
115	Indirect-direct hybrid target experiments with the GEKKO XII laser. <i>Nuclear Fusion</i> , 2000 , 40, 547-556	3.3	24
114	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. <i>Physical Review E</i> , 2015 , 91, 063102	2.4	23
113	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
112	Flash K α radiography of laser-driven solid sphere compression for fast ignition. <i>Applied Physics Letters</i> , 2016 , 108, 254101	3.4	22
111	Present status of fast ignition realization experiment and inertial fusion energy development. <i>Nuclear Fusion</i> , 2013 , 53, 104021	3.3	21
110	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
109	Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. <i>Physics of Plasmas</i> , 2007 , 14, 122702	2.1	19
108	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
107	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
106	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
105	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
104	Shock-induced silicate vaporization: The role of electrons. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
103	Progress and perspectives of fast ignition. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, B41-B49	2	14
102	Rayleigh-Taylor instability growth on low-density foam targets. <i>Physics of Plasmas</i> , 2008 , 15, 092109	2.1	12
101	Moiré interferometry of short wavelength Rayleigh-Taylor growth. <i>Review of Scientific Instruments</i> , 1999 , 70, 637-641	1.7	12
100	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

99	Imprint reduction in a plasma layer preformed with x-ray irradiation. <i>Physics of Plasmas</i> , 2002 , 9, 1381-1391		11
98	Fast heating of super-solid density plasmas towards laser fusion ignition. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, B109-B119	2	11
97	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
96	Temperature measurements of electrostatic shocks in laser-produced counter-streaming plasmas. <i>Astrophysics and Space Science</i> , 2011 , 336, 283-286	1.6	10
95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	Shock Pyrometry of Laser-Irradiated Foils Below 1 eV. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 4224-4226		

81	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
80	Study on EUV emission properties of laser-produced plasma at ILE, Osaka 2004 ,		6
79	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
78	Estimation of emission efficiency for laser-produced EUV plasmas 2004 ,		5
77	Properties of EUV emissions from laser-produced tin plasmas 2004 , 5374, 912		5
76	Rippled shock propagation and hydrodynamic perturbation growth in laser implosion. <i>Journal of Materials Processing Technology</i> , 1999 , 85, 34-38	5.3	5
75	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
74	Time-resolved spectroscopic observations of shock-induced silicate ionization 2012 ,		4
73	Implosion hydrodynamics and heating synchronization measurement using X-ray framing cameras. <i>Journal of Physics: Conference Series</i> , 2010 , 244, 022043	0.3	4
72	X-ray imaging diagnostics for laser-driven hydrodynamic instability experiments. <i>Review of Scientific Instruments</i> , 2003 , 74, 2194-2197	1.7	4
71	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
70	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
69	Extremely high-pressure generation and compression with laser implosion plasmas. <i>Applied Physics Letters</i> , 2013 , 102, 183501	3.4	3
68	Neutron generation from impact fast ignition. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022065	0.3	3
67	Dependence of EUV emission properties on laser wavelength 2004 ,		3
66	Perturbation transfer from the front to rear surface of laser-irradiated targets. <i>Physical Review E</i> , 2002 , 65, 045401	2.4	3
65	Indirect/direct hybrid drive implosion experiments with x-ray pre-irradiation 2000 , 3886, 465		3
64	Shigemori et al. Reply:. <i>Physical Review Letters</i> , 1998 , 80, 3415-3415	7.4	3

63	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
62	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
61	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
60	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
59	Measurement of heating laser injection time in a fast-ignition experiment. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 045004	2	2
58	Direct measurement of chemical composition of SO _x in impact vapor using a laser gun 2012 ,		2
57	Hugoniot and temperature measurements of liquid hydrogen by laser-shock compression. <i>Journal of Physics: Conference Series</i> , 2010 , 244, 042018	0.3	2
56	Impact vaporization of rocks using a high-power laser. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 042014	0.3	2
55	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
54	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
53	Liquid Structure of Tantalum under Internal Negative Pressure. <i>Physical Review Letters</i> , 2021 , 126, 175503	0.3	2
52	Bremsstrahlung cannon design for shock ignition relevant regime. <i>Review of Scientific Instruments</i> , 2021 , 92, 013501	1.7	2
51	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
50	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
49	Measurements of Rayleigh-Taylor instability growth of laser-shocked iron-silicon alloy. <i>High Pressure Research</i> , 2019 , 39, 150-159	1.6	1
48	Surface structure on diamond foils generated by spatially nonuniform laser irradiation. <i>Scientific Reports</i> , 2020 , 10, 9017	4.9	1
47	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
46	Advances in the investigation of shock-induced reflectivity of porous carbon. <i>Laser and Particle Beams</i> , 2013 , 31, 457-464	0.9	1

45	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
44	Flyer acceleration experiments using high-power laser. <i>EPJ Web of Conferences</i> , 2013 , 59, 19002	0.3	1
43	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
42	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
41	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
40	Non-dimensional scaling of impact fast ignition experiments. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022071	0.3	1
39	e-Science in high energy density science research. <i>Fusion Engineering and Design</i> , 2008 , 83, 525-529	1.7	1
38	Measurements of Sound Velocity of Laser-Irradiated Iron Foils Relevant to Earth Core Condition. <i>AIP Conference Proceedings</i> , 2006 ,	0	1
37	Laser-produced blast wave and numerical simulation using the FLASH code. <i>Laser and Particle Beams</i> , 2005 , 23, 513-519	0.9	1
36	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
35	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
34	Advanced Target Design for the FIREX-I Project. <i>Plasma and Fusion Research</i> , 2009 , 4, S1001-S1001	0.5	1
33	Recent progress in matter in extreme states created by laser. <i>Matter and Radiation at Extremes</i> , 2022 , 7, 013001	4.7	1
32	Progress of Advanced Fusion Energy Studies with Ultra-Intense Lasers.. <i>Journal of Plasma and Fusion Research</i> , 2002 , 78, 792-798		1
31	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
30	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
29			
28	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

27	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
26	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
25	Converging shock generation with cone target filled with low density foam. <i>Journal of Physics: Conference Series</i> , 2016 , 717, 012050	0.3	1
24	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
23	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
22	Two-color laser-plasma interactions for efficient production of non-thermal hot electrons. <i>High Energy Density Physics</i> , 2020 , 36, 100843	1.2	
21	3 \times 10 ⁸ 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	
20	About carbon reflectivity in the Mbar regime. <i>Physica Scripta</i> , 2014 , T161, 014018	2.6	
19	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	
18	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	
17	Experimental investigation to demonstrate Impact Fast Ignition scheme. <i>Journal of Physics: Conference Series</i> , 2010 , 244, 022071	0.3	
16	Fabrication and characterization of planar cryogenic targets for GEKKO-XII. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 032068	0.3	
15	Temperature measurement of preheated planar-cryogenic targets. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 022012	0.3	
14	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	
13	Laboratory experiments to study astrophysical shock and jets. <i>Journal of Physics: Conference Series</i> , 2008 , 112, 042020	0.3	
12	High-speed x-ray radiographic measurement of laser-driven hydrodynamic instability 2003 , 4948, 425		
11	Hydrodynamic perturbation growth in the start-up phase. <i>Fusion Engineering and Design</i> , 1999 , 44, 199-203		
10	Rayleigh Taylor and Laser Imprinting Diagnostics 2002 , 169-176		

- 9 Suppression of Rayleigh-Taylor Instability Using High-Z Doped Plastic Targets for Inertial Fusion Energy. *Journal of Plasma and Fusion Research*, **2004**, 80, 597-604
- 8 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 ○
- 7 High pressure generation and its implications by strong shock wave with intense laser. *The Review of Laser Engineering*, **2008**, 36, 59-60 ○
- 6 Rippled Shock Propagation and Hydrodynamic Perturbation Growth in Laser Implosion.. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **1998**, 7, 930-932 ○
- 5 Propagation of Sinusoidally-Corrugated Shock Fronts of Laser-Supported Detonations **2015**, 271-276
- 4 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 ○
- 3 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 ○
- 2 Generation of residual stress field in metal by an interference shock wave. *High Energy Density Physics*, **2020**, 37, 100864 1.2
- 1 Refractive index measurements of solid deuterium-tritium.. *Scientific Reports*, **2022**, 12, 2223 4.9