Noriaki Miyanaga

List of Publications by Citations

262 papers	6,076 citations	36 h-index	70 g-index
292 ext. papers	6,704 ext. citations	3 avg, IF	4.78 L-index

#	Paper	IF	Citations
262	Fast heating of ultrahigh-density plasma as a step towards laser fusion ignition. *Nature*, **2001**, 412, 798-802	42.4	780
261	Random Phasing of High-Power Lasers for Uniform Target Acceleration and Plasma-Instability Suppression. *Physical Review Letters*, **1984**, 53, 1057-1060	7.4	544
260	Laguerre-Gaussian beam generated with a multilevel spiral phase plate for high intensity laser pulses. *Optics Express*, **2004**, 12, 3548-53	3.3	233
259	Scalings of implosion experiments for high neutron yield. *Physics of Fluids*, **1988**, 31, 2884		152
258	Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. *Physical Review Letters*, **2005**, 95, 235004	7.4	119
257	Prepulse-free petawatt laser for a fast ignitor. *IEEE Journal of Quantum Electronics*, **2004**, 40, 281-293	2	117
256	Plasma physics and radiation hydrodynamics in developing an extreme ultraviolet light source for lithographya). *Physics of Plasmas*, **2008**, 15, 056708	2.1	110
255	Measurements of Rayleigh-Taylor Growth Rate of Planar Targets Irradiated Directly by Partially Coherent Light. *Physical Review Letters*, **1997**, 78, 250-253	7.4	105
254	Studies of ultra-intense laser plasma interactions for fast ignition. *Physics of Plasmas*, **2000**, 7, 2014-2022	2.1	103
253	Optical properties and Faraday effect of ceramic terbium gallium garnet for a room temperature Faraday rotator. *Optics Express*, **2011**, 19, 15181-7	3.3	93
252	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. *Applied Physics Letters*, **2005**, 86, 051501	3.4	93
251	213 W average power of 2.4 GW pulsed thermally controlled Nd:glass zigzag slab laser with a stimulated Brillouin scattering mirror. *Optics Letters*, **2008**, 33, 1711-3	3	91
250	Direct-drive hydrodynamic instability experiments on the GEKKO XII laser. *Physics of Plasmas*, **1997**, 4, 4079-4089	2.1	88
249	Effect of pulse width and fluence of femtosecond laser on the size of nanobump array. *Applied Surface Science*, **2007**, 253, 6555-6557	6.7	79
248	Fast ignitor research at the Institute of Laser Engineering, Osaka University. *Physics of Plasmas*, **2001**, 8, 2268-2274	2.1	69
247	Properties of ion debris emitted from laser-produced mass-limited tin plasmas for extreme ultraviolet light source applications. *Applied Physics Letters*, **2005**, 87, 241503	3.4	68
246	Pure-tin microdroplets irradiated with double laser pulses for efficient and minimum-mass extreme-ultraviolet light source production. *Applied Physics Letters*, **2008**, 92, 241502	3.4	67

245	Spectrally dispersed amplified spontaneous emission for improving irradiation uniformity into high power Nd:glass laser system. *Journal of Applied Physics*, **1993**, 73, 2122-2131	2.5	61
244	Dynamic behavior of rippled shock waves and subsequently induced areal-density-perturbation growth in laser-irradiated foils. *Physical Review Letters*, **1995**, 74, 3608-3611	7.4	57
243	Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. *Applied Physics Letters*, **2006**, 88, 161501	3.4	55
242	Basic and integrated studies for fast ignition. *Physics of Plasmas*, **2003**, 10, 1925-1930	2.1	55
241	Comprehensive diagnosis of growth rates of the ablative Rayleigh-Taylor instability. *Physical Review Letters*, **2007**, 98, 045002	7.4	54
240	Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. *Applied Physics Letters*, **2006**, 89, 151501	3.4	54
239	Experimental determination of fuel density-radius product of inertial confinement fusion targets using secondary nuclear fusion reactions. *Applied Physics Letters*, **1986**, 49, 555-557	3.4	53
238	Magnetized fast isochoric laser heating for efficient creation of ultra-high-energy-density states. *Nature Communications*, **2018**, 9, 3937	17.4	53
237	Spectroscopic determination of dynamic plasma gradients in implosion cores. *Physical Review Letters*, **2002**, 88, 045002	7.4	52
236	Solid□quid□olid process for forming free-standing gold nanowhisker superlattice by interfering femtosecond laser irradiation. *Applied Surface Science*, **2013**, 274, 27-32	6.7	51
235	Laser implosion of high-aspect-ratio targets produces thermonuclear neutron yields exceeding 1012 by use of shock multiplexing. *Physical Review Letters*, **1986**, 56, 1575-1578	7.4	49
234	10-kJ PW laser for the FIREX-I program. *European Physical Journal Special Topics*, **2006**, 133, 81-87		48
233	Partially coherent light generated by using single and multimode optical fibers in a high-power Nd:glass laser system. *Applied Physics Letters*, **1993**, 63, 580-582	3.4	48
232	Fast ignition integrated experiments with Gekko and LFEX lasers. *Plasma Physics and Controlled Fusion*, **2011**, 53, 124029	2	46
231	Total-reflection active-mirror laser with cryogenic Yb:YAG ceramics. *Optics Letters*, **2009**, 34, 3439-41	3	46
230	High-energy, high-contrast, multiterawatt laser pulses by optical parametric chirped-pulse amplification. *Optics Letters*, **2007**, 32, 2315-7	3	45
229	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. *Nuclear Fusion*, **2009**, 49, 104024	3.3	41
228	Temporal contrast enhancement of petawatt-class laser pulses. *Optics Letters*, **2012**, 37, 3363-5	3	40

227	Two-Dimensional Multi-Lens Array with Circular Aperture Spherical Lens for Flat-Top Irradiation of Inertial Confinement Fusion Target. *Optical Review*, **2000**, 7, 216-220	0.9	39
226	Liquidly process in femtosecond laser processing. *Applied Surface Science*, **2009**, 255, 9761-9763	6.7	36
225	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	35
224	Fast plasma heating in a cone-attached geometryTowards fusion ignition. *Nuclear Fusion*, **2004**, 44, S276-S283	3.3	35
223	Three-directional spectral dispersion for smoothing of a laser irradiance profile. *Optics Letters*, **2002**, 27, 725-7	3	35
222	High thermonuclear neutron yield by shock multiplexing implosion with GEKKO XII green laser. *Nuclear Fusion*, **1987**, 27, 19-30	3.3	35
221	Influence of laser scanning conditions on CFRP processing with a pulsed fiber laser. *Journal of Materials Processing Technology*, **2015**, 222, 110-121	5.3	34
220	Intense longitudinal electric fields generated from transverse electromagnetic waves. *Applied Physics Letters*, **2004**, 84, 3855-3857	3.4	33
219	Recent progress of implosion experiments with uniformity-improved GEKKO XII laser facility at the Institute of Laser Engineering, Osaka University. *Physics of Plasmas*, **1996**, 3, 2077-2083	2.1	33
218	Electron bunch acceleration and trapping by the ponderomotive force of an intense short-pulse laser. *Physics of Plasmas*, **2003**, 10, 4605-4608	2.1	32
217	Electron bunch acceleration and trapping by ponderomotive force of an intense short-pulse laser. *Laser and Particle Beams*, **2005**, 23,	0.9	32
216	Two-dimensional sampling-image x-ray streak camera for ultrafast imaging of inertial confinement fusion plasmas. *Review of Scientific Instruments*, **1999**, 70, 620-623	1.7	32
215	Pulse compression and beam focusing with segmented diffraction gratings in a high-power chirped-pulse amplification glass laser system. *Optics Letters*, **2010**, 35, 1783-5	3	30
214	Characterization of density profile of laser-produced Sn plasma for 13.5nm extreme ultraviolet source. *Applied Physics Letters*, **2005**, 86, 201501	3.4	30
213	Preparation of Low-Density Macrocellular Tin Dioxide Foam with Variable Window Size. *Chemistry of Materials*, **2005**, 17, 1115-1122	9.6	30
212	Spectroscopic study of debris mitigation with minimum-mass Sn laser plasma for extreme ultraviolet lithography. *Applied Physics Letters*, **2006**, 88, 171503	3.4	29
211	Monochromatic imaging and angular distribution measurements of extreme ultraviolet light from laser-produced Sn and SnO2 plasmas. *Applied Physics Letters*, **2004**, 85, 1919-1921	3.4	29
210	Electron bunch trapping and compression by an intense focused pulse laser. *Physical Review E*, **2004** , 69, 056502	2.4	29

209	Model for Cannonball-Like Acceleration of Laser-Irradiated Targets. *Japanese Journal of Applied Physics*, **1981**, 20, L477-L480	1.4	29
208	Mesoscopic nanomaterials generated by interfering femtosecond laser processing. *Applied Physics A: Materials Science and Processing*, **2010**, 101, 471-474	2.6	28
207	Ultrahigh-contrast kilojoule-class petawatt LFEX laser using a plasma mirror **2016**, 55, 6850		25
206	Indirect-direct hybrid target experiments with the GEKKO XII laser. *Nuclear Fusion*, **2000**, 40, 547-556	3.3	24
205	Areal density measurement of imploded cryogenic target by energy peak shift of DD-produced protons. *Physical Review Letters*, **1995**, 75, 3130-3133	7.4	24
204	Temperature dependence of optical properties in Nd/Cr:YAG materials. *Journal of Luminescence*, **2014**, 148, 342-346	3.8	23
203	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. *Physical Review E*, **2015**, 91, 063102	2.4	23
202	Zig-zag active-mirror laser with cryogenic Yb3+:YAG/YAG composite ceramics. *Optics Express*, **2011**, 19, 2448-55	3.3	23
201	Absolute evaluation of out-of-band radiation from laser-produced tin plasmas for extreme ultraviolet lithography. *Applied Physics Letters*, **2008**, 92, 111503	3.4	23
200	Photo-reflection and laser-ablation properties of phthalocyanine/perylene derivative bilayer. *Synthetic Metals*, **2001**, 121, 1445-1446	3.6	23
199	Kinetic effects of electron thermal conduction on implosion hydrodynamics. *Physics of Fluids B*, **1992**, 4, 417-422		23
198	Suppression of speckle contrast by using polarization property on second harmonic generation. *Optics Communications*, **1993**, 103, 185-188	2	23
197	New insights into the laser produced electron–positron pairs. *New Journal of Physics*, **2013**, 15, 065010	2.9	22
196	High Power Lasers and Their New Applications. *Journal of the Optical Society of Korea*, **2008**, 12, 178-185		22
195	Uniform laser ablation via photovoltaic effect of phthalocyanine/perylene derivative. *Applied Surface Science*, **2002**, 197-198, 808-813	6.7	22
194	Ion diffusion at the bonding interface of undoped YAG/Yb:YAG composite ceramics. *Optical Materials*, **2015**, 46, 542-547	3.3	21
193	The Current Trends in SBS and phase conjugation. *Laser and Particle Beams*, **2012**, 30, 117-174	0.9	21
192	Present status of fast ignition realization experiment and inertial fusion energy development. *Nuclear Fusion*, **2013**, 53, 104021	3.3	21

191	Interferometric phase shift compensation technique for high-power, tiled-aperture coherent beam combination. *Optics Letters*, **2013**, 38, 1277-9	3	21
190	Ultrafast two-dimensional x-ray imaging with x-ray streak cameras for laser fusion research (invited). *Review of Scientific Instruments*, **1997**, 68, 745-749	1.7	21
189	Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO2 targets. *Applied Physics Letters*, **2006**, 88, 094102	3.4	21
188	Study of fuel-pusher mixing in laser-driven implosions, using secondary nuclear fusion reactions. *Physical Review Letters*, **1987**, 59, 2635-2638	7.4	21
187	ASE and parasitic lasing in thin disk laser with anti-ASE cap. *Optics Express*, **2013**, 21, 13118-24	3.3	20
186	Generation of sub-7-cycle optical pulses from a mode-locked ytterbium-doped single-mode fiber oscillator pumped by polarization-combined 915 nm laser diodes. *Optics Letters*, **2012**, 37, 3972-4	3	20
185	Designing of interference pattern in ultra-short pulse laser processing. *Applied Physics A: Materials Science and Processing*, **2013**, 112, 191-196	2.6	19
184	Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. *High Energy Density Physics*, **2012**, 8, 227-230	1.2	18
183	Characterization of out-of-band radiation and plasma parameters in laser-produced Sn plasmas for extreme ultraviolet lithography light sources. *Journal of Applied Physics*, **2008**, 104, 013305	2.5	18
182	Radiochemistry and secondary reactions for the diagnostics of laser-driven fusion plasmas. *Review of Scientific Instruments*, **1986**, 57, 1731-1733	1.7	18
181	Neutral Debris Mitigation in Laser Produced Extreme Ultraviolet Light Source by the Use of Minimum-Mass Tin Target. *Applied Physics Express*, **2008**, 1, 056001	2.4	17
180	Measurement of D-D burn region using proton penumbral coded aperture imaging. *Optics Communications*, **1989**, 73, 337-341	2	17
179	Output characteristics of high power cryogenic Yb:YAG TRAM laser oscillator. *Optics Express*, **2012**, 20, 21739-48	3.3	16
178	84 dB amplification, 0.46 J in a 10 Hz output diode-pumped Nd:YLF ring amplifier with phase-conjugated wavefront corrector. *Optics Express*, **2010**, 18, 13927-34	3.3	16
177	Experimental demonstration of spatially coherent beam combining using optical parametric amplification. *Optics Express*, **2010**, 18, 14541-6	3.3	16
176	Design of interference using coherent beams configured as a six-sided pyramid. *Applied Optics*, **2012**, 51, 5004-10	1.7	15
175	Sub-15fs ultraviolet pulses generated by achromatic phase-matching sum-frequency mixing. *Optics Express*, **2009**, 17, 17711-4	3.3	15
174	Split-aperture laser pulse compressor design tolerant to alignment and line-density differences. *Optics Letters*, **2008**, 33, 1902-4	3	15

173	Single spatial mode experiments on initial laser imprint on direct-driven planar targets. *Physics of Plasmas*, **2002**, 9, 1734-1744	2.1	15
172	Energetic Proton Generation in a Thin Plastic Foil Irradiated by Intense Femtosecond Lasers. *Journal of Nuclear Science and Technology*, **2002**, 39, 1-5	1	15
171	Cryogenic deuterium target experiments with the GEKKO XII, green laser system. *Physics of Plasmas*, **1995**, 2, 2495-2503	2.1	15
170	600 W green and 300 W UV light generated from an eight-beam, sub-nanosecond fiber laser system. *Optics Letters*, **2017**, 42, 3255-3258	3	14
169	Template free synthesis of free-standing silver nanowhisker and nanocrown superlattice by interfering femtosecond laser irradiation. *Japanese Journal of Applied Physics*, **2014**, 53, 096701	1.4	14
168	Ultrabroadband noncollinear optical parametric amplification with LBO crystal. *Optics Express*, **2008** , 16, 18863-8	3.3	14
167	High efficiency and high energy parametric wavelength conversion using a large aperture periodically poled MgO:LiNbO3. *Optics Communications*, **2008**, 281, 3902-3905	2	14
166	Progress and perspectives of fast ignition. *Plasma Physics and Controlled Fusion*, **2004**, 46, B41-B49	2	14
165	Recent progress in laser fusion research at Osaka University: Uniformity and stability issues*. *Physics of Plasmas*, **1994**, 1, 1653-1661	2.1	14
164	Point-source x-ray backlighting for high-density plasma diagnostics. *Applied Physics Letters*, **1983**, 42, 160-162	3.4	14
163	Suppression of photo-darkening effect in Yb-doped silica glass fiber by co-doping of group 2 element. *Journal of Non-Crystalline Solids*, **2016**, 440, 85-89	3.9	14
162	High-average-power green laser using Nd:YAG amplifier with stimulated Brillouin scattering phase-conjugate pulse-cleaning mirror. *Optics Express*, **2016**, 24, 12557-64	3.3	13
161	High efficiency 12.5 J second-harmonic generation from CsLiB6O10 nonlinear crystal by diode-pumped Nd:glass laser. *Optics Express*, **2013**, 21, 8393-400	3.3	13
160	High-Intensity Neutron Generation via Laser-Driven Photonuclear Reaction. *Plasma and Fusion Research*, **2015**, 10, 2404003-2404003	0.5	13
159	The HALNA project: Diode-pumped solid-state laser for inertial fusion energy. *European Physical Journal Special Topics*, **2006**, 133, 615-620		13
158	Temporal evolution of temperature and density profiles of a laser compressed core (invited). *Review of Scientific Instruments*, **2003**, 74, 1683-1687	1.7	13
157	Dynamic imaging of 13.5 nm extreme ultraviolet emission from laser-produced Sn plasmas. *Applied Physics Letters*, **2005**, 87, 241502	3.4	13
156	Three-dimensional reconstruction of laser-irradiated targets using URA coded aperture cameras. *Optics Communications*, **1989**, 71, 249-255	2	13

155	Fuel areal density measurement of laser-imploded targets by use of elastically scattered protons. *Applied Physics Letters*, **1989**, 54, 1308-1310	3.4	13
154	Multiple inner-shell vacancies in laser-irradiated Au plasma. *Physical Review Letters*, **1985**, 54, 1999-2002	7.4	13
153	Temporally resolved Schwarzschild microscope for the characterization of extreme ultraviolet emission in laser-produced plasmas. *Review of Scientific Instruments*, **2004**, 75, 5173-5176	1.7	12
152	Moir□nterferometry of short wavelength Rayleigh□aylor growth. *Review of Scientific Instruments*, **1999**, 70, 637-641	1.7	12
151	Dispersion compensation in an Yb-doped fiber oscillator for generating transform-limited, wing-free pulses. *Optics Express*, **2011**, 19, 25199-205	3.3	11
150	Imprint reduction in a plasma layer preformed with x-ray irradiation. *Physics of Plasmas*, **2002**, 9, 1381-1391	2.1	11
149	Fast heating of super-solid density plasmas towards laser fusion ignition. *Plasma Physics and Controlled Fusion*, **2002**, 44, B109-B119	2	11
148	Beam shaping by spatial light modulator and 4f system to square and top-flat for interference laser processing **2017**,		10
147	Fabricating a regular hexagonal lattice structure by interference pattern of six femtosecond laser beams. *Applied Surface Science*, **2017**, 417, 69-72	6.7	10
146	Utilization of the high spatial-frequency component in adaptive beam shaping by using a virtual diagonal phase grating. *Scientific Reports*, **2019**, 9, 4640	4.9	10
145	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	1.2	10
144	Development of wide-field, multi-imaging x-ray streak camera technique with increased image-sampling arrays. *Review of Scientific Instruments*, **2001**, 72, 755-758	1.7	10
143	Intelligent Target Materials to Control Laser Ablation. *Fusion Science and Technology*, **2002**, 41, 257-260	1.1	10
142	Thermonuclear burn time and duration in laser-driven high-aspect-ratio targets. *Applied Physics Letters*, **1989**, 55, 945-947	3.4	10
141	Efficient Spherical Compression of Cannonball Targets with 1.052-μm Laser Beams. *Japanese Journal of Applied Physics*, **1983**, 22, L551-L553	1.4	10
140	Characterization of Extreme UV Radiation from Laser Produced Spherical Tin Plasmas for Use in Lithography. *Journal of Plasma and Fusion Research*, **2004**, 80, 325-330		10
139	Parallel fabrication of spiral surface structures by interference pattern of circularly polarized beams. *Scientific Reports*, **2018**, 8, 13448	4.9	10
138	Scattering pulse-induced temporal contrast degradation in chirped-pulse amplification lasers. *Optics Express*, **2017**, 25, 21201-21215	3.3	9

137	Ultrafast time-resolved pump-probe spectroscopy of PYP by a sub-8 fs pulse laser at 400 nm. *Journal of Physical Chemistry B*, **2013**, 117, 4818-26	3.4	9
136	X-ray backlight measurement of preformed plasma by kJ-class petawatt LFEX laser. *Journal of Applied Physics*, **2012**, 112, 063301	2.5	9
135	One- and two-dimensional fast x-ray imaging of laser-driven implosion dynamics with x-ray streak cameras. *Review of Scientific Instruments*, **1997**, 68, 828-830	1.7	9
134	Time-resolved, two-dimensional electron-temperature distribution of laser-imploded core plasmas. *Review of Scientific Instruments*, **1997**, 68, 820-823	1.7	9
133	Time-resolved two-dimensional monochromatic imaging of laser-imploded plasma. *Review of Scientific Instruments*, **1997**, 68, 817-819	1.7	9
132	Frequency modulation controlled by cross-phase modulation in optical fiber. *Optics Letters*, **1997**, 22, 25-7	3	9
131	Dry tin dioxide hollow microshells and extreme ultraviolet radiation induced by CO2 laser illumination. *Langmuir*, **2008**, 24, 10402-6	4	9
130	Recent results and future prospects of laser fusion research at ILE, Osaka. *European Physical Journal D*, **2007**, 44, 259-264	1.3	9
129	Direct areal density measurement by activation technique for plastic hollow shell implosion experiments. *Applied Physics Letters*, **1989**, 55, 2072-2074	3.4	9
128	X-ray and radioactive measurements in ICF research at ILE Osaka (invited). *Review of Scientific Instruments*, **1985**, 56, 1128-1132	1.7	9
127	Energetic Proton Generation in a Thin Plastic Foil Irradiated by Intense Femtosecond Lasers		9
126	Conceptual design of sub-exa-watt system by using optical parametric chirped pulse amplification. *Journal of Physics: Conference Series*, **2016**, 688, 012044	0.3	9
125	Nanodot array deposition via single shot laser interference pattern using laser-induced forward transfer. *International Journal of Extreme Manufacturing*, **2020**, 2, 025101	7.9	9
124	Partially deuterated potassium dihydrogen phosphate optimized for ultra-broadband optical parametric amplification. *Journal of Applied Physics*, **2015**, 117, 093103	2.5	8
123	Time- and space-resolved X-ray spectroscopic measurements of hot dense plasma created with laser driven implosions. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **1997**, 58, 585-596	2.1	8
122	Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. *Laser and Particle Beams*, **2008**, 26, 497-501	0.9	8
121	Three-dimensional imaging of laser imploded targets. *Journal of Applied Physics*, **1990**, 68, 1483-1488	2.5	8
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117	Nano-structured surfaces on Ni□Ti generated by multiple shots of interfering femtosecond laser. *Optics and Lasers in Engineering*, **2009**, 47, 847-849	4.6	7
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115	Effect of interference pattern on femtosecond laser-induced ripple structure. *Applied Physics A: Materials Science and Processing*, **2010**, 98, 401-405	2.6	7
114	Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. *Japanese Journal of Applied Physics*, **2008**, 47, 293-296	1.4	7
113	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets **2005**,		7
112	Speckle suppression of laser light using liquid crystals aligned by photoisomerization of dye molecules. *Applied Physics Letters*, **2002**, 81, 5111-5113	3.4	7
111	Neutron penumbral imaging at Gekko XII (abstract). *Review of Scientific Instruments*, **1990**, 61, 3230-3230	1.7	7
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109	Generation of Vector Beams with Axially-Symmetric Polarization. *The Review of Laser Engineering*, **2004**, 32, 259-264	0	7
108	Sub-micron period metal lattices fabricated by interfering ultraviolet femtosecond laser processing. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	7
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106	Amplification characteristics of a cryogenic Yb□+:YAG total-reflection active-mirror laser. *Applied Optics*, **2014**, 53, 1964-9	1.7	6
105	Interfering Ultraviolet Femtosecond Laser Processing of Gold Thin Film and Prospect of Shortest Period. *Applied Physics Express*, **2012**, 5, 102703	2.4	6
104	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas **2006**, 6151, 1051		6
103	Suppression of the Rayleigh□aylor instability and its implication for the impact ignition. *Plasma Physics and Controlled Fusion*, **2004**, 46, B245-B254	2	6
102	Characteristics of uranium-oxide cathode for neutron streak camera. *Review of Scientific Instruments*, **1986**, 57, 1743-1745	1.7	6

101	Formation of Initial Perturbation of Rayleigh-Taylor Instability in Supernovae and Laser-irradiated Targets: Is There Any Similarity?. *Astrophysical Journal, Supplement Series*, **2000**, 127, 219-225	8	6
100	High-beam-quality, efficient operation of passively Q-switched Yb:YAG/Cr:YAG laser pumped by photonic-crystal surface-emitting laser. *Applied Physics B: Lasers and Optics*, **2017**, 123, 1	1.9	5
99	Spatial asymmetry of optical parametric fluorescence with a divergent pump beam and potential applications. *Optics Express*, **2017**, 25, 7465-7474	3.3	5
98	Two-stage optical parametric chirped-pulse amplifier using sub-nanosecond pump pulse generated by stimulated Brillouin scattering compression. *Applied Physics Express*, **2014**, 7, 122702	2.4	5
97	Quantitative measurement of hard X-ray spectra from laser-driven fast ignition plasma. *High Energy Density Physics*, **2013**, 9, 435-438	1.2	5
96	Debris-Free High-Speed Laser-Assisted Low-Stress Dicing for Multi-Layered MEMS. *IEEJ Transactions on Sensors and Micromachines*, **2009**, 129, 63-68	0.2	5
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93	Development of x-ray emission computed tomography for ICF research. *Review of Scientific Instruments*, **1990**, 61, 2783-2785	1.7	5
92	Gated neutron streak camera with a uranium cathode. *Review of Scientific Instruments*, **1990**, 61, 3592-3595	1.7	5
91	X-ray and particle diagnostics of a high-density plasma by laser implosion (invited). *Review of Scientific Instruments*, **1990**, 61, 3235-3240	1.7	5
90	Double-Shell-Target Implosion by Four Beams from the GEKKO IV Laser System. *Physical Review Letters*, **1983**, 51, 570-573	7.4	5
89	Intensity dependence of classical and collective absorption processes in laser produced plasmas at 1.053 μm and 0.527 μm. *IEEE Transactions on Plasma Science*, **1982**, 10, 55-58	1.3	5
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87	Demonstration of a photonic crystal surface-emitting laser pumped Yb:YAG laser. *Optics Letters*, **2016**, 41, 4653-4655	3	5
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84	Simulations on Generating Long Flat-Top Laser Pulses for Fast Ignition of Laser Fusion. *Japanese Journal of Applied Physics*, **2006**, 45, 6930-6935	1.4	4

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