Seong Ku Lee

List of Publications by Year
in descending order

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22	1,568	933447 10	888059 17
papers	citations	h-index	g-index

23	23	23	1202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of Electron Energy to the Multi-GeV Regime by a Dual-Stage Laser-Wakefield Accelerator Pumped by Petawatt Laser Pulses. Physical Review Letters, 2013, 111, 165002.	7.8	323
2	Stable generation of GeV-class electron beams from self-guided laserâ€“plasma channels. Nature Photonics, 2008, 2, 571-577.	31.4	291
3	Realization of laser intensity over 10²³â€‰â€‰W/cm². Optica, 2021, 8, 630.	9.3	240
4	42â€‰â€‰PW, 20â€‰â€‰fs Ti:sapphire laser at 01â€‰â€‰Hz. Optics Letters, 2017, 42, 2058.	3.3	202
5	Radiation pressure acceleration of protons to 93â€‰MeV with circularly polarized petawatt laser pulses. Physics of Plasmas, 2016, 23, .	1.9	135
6	Achieving the laser intensity of 55Ã—10²² W/cm² with a wavefront-corrected multi-PW laser. Optics Express, 2019, 27, 20412.	3.4	103
7	Transition of Proton Energy Scaling Using an Ultrathin Target Irradiated by Linearly Polarized Femtosecond Laser Pulses. Physical Review Letters, 2013, 111, 165003.	7.8	102
8	Laser Acceleration of Highly Energetic Carbon Ions Using a Double-Layer Target Composed of Slightly Underdense Plasma and Ultrathin Foil. Physical Review Letters, 2019, 122, 014803.	7.8	84
9	Sub-10ÂfsÂpulseÂgenerationÂbyÂpost-compression for peak-power enhancement of a 100-TW Ti:Sapphire laser. Optics Express, 2022, 30, 8734.	3.4	25
10	Multi-GeV Laser Wakefield Electron Acceleration with PW Lasers. Applied Sciences (Switzerland), 2021, 11, 5831.	2.5	16
11	Electron energy increase in a laser wakefield accelerator using up-ramp plasma density profiles. Scientific Reports, 2019, 9, 11249.	3.3	10
12	5-Hz, 150-TW Ti:sapphire Laser with High Spatiotemporal Quality. Journal of the Korean Physical Society, 2020, 77, 223-228.	0.7	10
13	Single-shot spatiotemporal characterization of a multi-PW laser using a multispectral wavefront sensing method. Optics Express, 2021, 29, 19506.	3.4	10
14	Fine phantom image from laser-induced proton radiography with a spatial resolution of several Î¼m. Journal of the Korean Physical Society, 2014, 65, 6-11.	0.7	6
15	Wavefront-corrected post-compression of a 100-TW Ti:sapphire laser. Optics Express, 2022, 30, 26212.	3.4	5
16	0.1-Hz 1-PW Ti:Sapphire Laser Facility. , 2010, , .		2
17	Nanoparticle-insertion scheme to decouple electron injection from laser evolution in laser wakefield acceleration. Scientific Reports, 2022, 12, .	3.3	2
18	Optical damage evaluation of a CPA Ti:sapphire laser for the safe design of a PW system. , 2007, , .		1

#	Article	IF	Citations
19	Calibration of radiochromic EBT3 film using laser-accelerated protons. Review of Scientific Instruments, 2021, 92, 023302.	1.3	1
20	Suppression of Phase Fluctuation of Phase-Controlled Stimulated Brillouin Scattering Beams by Self-generated Density Modulation. , 2007, , .		0
21	High-intensity laser-driven particle and electromagnetic wave sources for science, industry, and medicine. Frontiers of Optoelectronics in China, 2009, 2, 299-303.	0.2	0
22	Laser particle acceleration at relativistic laser intensity. , 2014, , .		0