

Seong Ku Lee

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,568
citations

933447

10
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-10-fs pulse generation by post-compression for peak-power enhancement of a 100-TW Ti:Sapphire laser. Optics Express, 2022, 30, 8734.	3.4	25
2	Wavefront-corrected post-compression of a 100-TW Ti:sapphire laser. Optics Express, 2022, 30, 26212.	3.4	5
3	Nanoparticle-insertion scheme to decouple electron injection from laser evolution in laser wakefield acceleration. Scientific Reports, 2022, 12, .	3.3	2
4	Calibration of radiochromic EBT3 film using laser-accelerated protons. Review of Scientific Instruments, 2021, 92, 023302.	1.3	1
5	Realization of laser intensity over 10^{23} W/cm ² . Optica, 2021, 8, 630.	9.3	240
6	Multi-GeV Laser Wakefield Electron Acceleration with PW Lasers. Applied Sciences (Switzerland), 2021, 11, 5831.	2.5	16
7	Single-shot spatiotemporal characterization of a multi-PW laser using a multispectral wavefront sensing method. Optics Express, 2021, 29, 19506.	3.4	10
8	5-Hz, 150-TW Ti:sapphire Laser with High Spatiotemporal Quality. Journal of the Korean Physical Society, 2020, 77, 223-228.	0.7	10
9	Electron energy increase in a laser wakefield accelerator using up-ramp plasma density profiles. Scientific Reports, 2019, 9, 11249.	3.3	10
10	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
11	Achieving the laser intensity of 55×10^{22} W/cm ² with a wavefront-corrected multi-PW laser. Optics Express, 2019, 27, 20412.	3.4	103
12	42-PW, 20-fs Ti:sapphire laser at 0.1-Hz. Optics Letters, 2017, 42, 2058.	3.3	202
13	Radiation pressure acceleration of protons to 93-MeV with circularly polarized petawatt laser pulses. Physics of Plasmas, 2016, 23, .	1.9	135
14	Fine phantom image from laser-induced proton radiography with a spatial resolution of several $\frac{1}{4}$ μ m. Journal of the Korean Physical Society, 2014, 65, 6-11.	0.7	6
15	Laser particle acceleration at relativistic laser intensity. , 2014, , .		0
16	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
17	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
18	0.1-Hz 1-PW Ti:Sapphire Laser Facility. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	High-intensity laser-driven particle and electromagnetic wave sources for science, industry, and medicine. <i>Frontiers of Optoelectronics in China</i> , 2009, 2, 299-303.	0.2	0
20	Stable generation of GeV-class electron beams from self-guided laser-plasma channels. <i>Nature Photonics</i> , 2008, 2, 571-577.	31.4	291
21	Optical damage evaluation of a CPA Ti:sapphire laser for the safe design of a PW system. , 2007, , .		1
22	Suppression of Phase Fluctuation of Phase-Controlled Stimulated Brillouin Scattering Beams by Self-generated Density Modulation. , 2007, , .		0