

# Kitae Lee

## List of Publications by Year in descending order

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59  
papers

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citations

1163117

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h-index

888059

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60  
all docs

60  
docs citations

60  
times ranked

371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects of a terahertz free-electron laser for field application. Journal of the Korean Physical Society, 2022, 80, 367-376.	0.7	4
2	Low-loss and small-cross-section waveguide for compact terahertz free-electron laser. , 2022, 1, 91.		0
3	THz guided-mode resonance notch filter with variable filtering strength. Scientific Reports, 2021, 11, 1307.	3.3	15
4	Calibration of radiochromic EBT3 film using laser-accelerated protons. Review of Scientific Instruments, 2021, 92, 023302.	1.3	1
5	Gain and efficiency of table-top terahertz free-electron lasers driven by a microtron accelerator. Journal of the Korean Physical Society, 2021, 78, 1047.	0.7	2
6	Modified calculation method using FFT filtering and reconstructing of an interferogram for monitoring a laser-plasma density. Journal of the Korean Physical Society, 2021, 79, 297-308.	0.7	0
7	Sub-10 fs Timing for Ultrafast Electron Diffraction with THz-Driven Streak Camera. Laser and Photonics Reviews, 2021, 15, 2000326.	8.7	5
8	Real-time ultrafast oscilloscope with a relativistic electron bunch train. Nature Communications, 2021, 12, 6851.	12.8	6
9	Towards jitter-free ultrafast electron diffraction technology. Nature Photonics, 2020, 14, 245-249.	31.4	55
10	Method for developing a sub-10 fs ultrafast electron diffraction technology. Structural Dynamics, 2020, 7, 034301.	2.3	7
11	Development of a High-power Terahertz Free Electron Laser Using a Microtron accelerator and an Electro-magnetic Planar Undulator. , 2019, , .		1
12	Magnetron power modulator for driving a microtron THz FEL. , 2019, , .		1
13	Performance of an Indium-sealed S-band RF Photoelectron Gun for Time-resolved Electron Diffraction Experiments. Journal of the Korean Physical Society, 2019, 74, 24-29.	0.7	4
14	Enhanced laser-driven ion acceleration from a low-density-PMMA coated metal-foil. AIP Advances, 2019, 9, 045304.	1.3	4
15	Real-time Terahertz Waveform Measurement by using Relativistic Electron Streak Camera. , 2019, , .		0
16	Ultrafast Electron Diffraction Technology for Exploring Dynamics of Molecules. Journal of the Korean Physical Society, 2018, 73, 466-478.	0.7	2
17	Terahertz radiation generation by nonlinear mixing of two lasers in a plasma with density hill. Physics of Plasmas, 2017, 24, .	1.9	10
18	Analysis of Neutron Production in Passively Scattered Ion-Beam Therapy. Radiation Protection Dosimetry, 2017, 175, 297-303.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Dosimetric properties of plasma density effects on laser-accelerated VHEE beams using a sharp density-transition scheme. Journal of the Korean Physical Society, 2017, 70, 66-74.	0.7	0
20	THz-pump and X-ray-probe sources based on an electron linac. Review of Scientific Instruments, 2017, 88, 113306.	1.3	2
21	Cherenkov oscillator operating at the second band gap of leakage waveguide structures. AIP Advances, 2016, 6, 105210.	1.3	0
22	Quasi-monoenergetic proton beam from a proton-layer embedded metal foil irradiated by an intense laser pulse. Physics of Plasmas, 2016, 23, 033119.	1.9	8
23	Waveguide-Mode Terahertz Free Electron Lasers Driven by Magnetron-Based Microtrons. IEEE Transactions on Nuclear Science, 2016, 63, 898-905.	2.0	4
24	Femtosecond laser-driven intense Cu K $\hat{\pm}$ X-ray source with a novel film target driver. Journal of the Korean Physical Society, 2015, 67, 800-806.	0.7	4
25	Numerical investigation of the radiation characteristics of a variable-period helical undulator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 776, 27-33.	1.6	24
26	HE11 mode in a waveguide THZ FEL. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 31-35.	0.6	2
27	Generation of a quasi-monoenergetic high energy proton beam from a vacuum-sandwiched double layer target irradiated by an ultraintense laser pulse. Physics of Plasmas, 2014, 21, 043110.	1.9	8
28	Variable-period permanent-magnet helical undulator. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	19
29	Activation analysis of indium, KCl, and melamine by using a laser-induced neutron source. Journal of the Korean Physical Society, 2014, 64, 982-986.	0.7	1
30	The Real-Time Temporal and Spatial Diagnostics of Ultrashort High-Power Laser Pulses using an All-Reflective Single-Shot Autocorrelator. Journal of the Optical Society of Korea, 2014, 18, 382-387.	0.6	3
31	Development of advanced radiation sources at KAERI. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 166-168.	0.6	1
32	Numerical investigation of the radiation from an argon plasma generated by using a high explosive. Journal of the Korean Physical Society, 2013, 62, 1616-1621.	0.7	0
33	Generation of laser-induced fast neutrons and application for activation analysis. , 2013, , .		0
34	Terahertz transmission and sheet conductivity of randomly stacked multi-layer graphene. Applied Physics Letters, 2013, 102, .	3.3	38
35	High-order photonic bandgap reflex klystron using carbon nanotube multi-beam cathode. Electronics Letters, 2012, 48, 707.	1.0	4
36	A laser-induced repetitive fast neutron source applied for gold activation analysis. Review of Scientific Instruments, 2012, 83, 123504.	1.3	2

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37	Frequency multiplying oscillator with an electron beam accelerated in a drift space. Applied Physics Letters, 2012, 101, 013507.	3.3	3
38	Energetic proton beams from plastic targets irradiated by an ultra-intense laser pulse. , 2011, , .		0
39	Gamma-ray generation using laser-accelerated electron beam. , 2011, , .		0
40	Generation of a few femtosecond keV x-ray pulse via interaction of a tightly focused laser copropagating with a relativistic electron bunch. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	6
41	Relativistic Nonlinear Thomson Scattering: Toward Intense Attosecond Pulse. , 2010, , .		2
42	Relationship between Terahertz and X-ray signals Generated from Laser-Induced Plasma on gas targets. Journal of the Korean Physical Society, 2010, 56, 275-278.	0.7	7
43	?Spectral characteristics of nonlinear Compton backscattering of an ultra-intense laser pulse by relativistic electrons. Journal of the Korean Physical Society, 2010, 56, 265-268.	0.7	0
44	Design of a high-power table-top THz free-electron laser. , 2009, , .		0
45	Dependence of THz radiation on the condition of laser-plasma electron acceleration using a helium gas target. , 2009, , .		0
46	Terahertz radiations on target materials irradiated by an ultra-intense laser pulse. , 2008, , .		0
47	Generation of intense proton beams from plastic targets irradiated by an ultraintense laser pulse. Physical Review E, 2008, 78, 056403.	2.1	22
48	Efficient generation of proton beams by irradiating an ultra-short, intense laser pulse on thick plastic targets. , 2007, , .		0
49	Fast neutron emission from a deuterated polystyrene solid target irradiated by a high-intensity laser pulse. , 2007, , .		0
50	The effect of tightly focused laser beam on the relativistic nonlinear Thomson scattered radiation. , 2007, , .		0
51	Design study of the KAERI Compton X-ray source depending on the laser intensity in the linear or non-linear regime. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 17-21.	1.6	0
52	Effect of the Prepulse Width on the Neutron Generation in a Femtosecond, Deuterated, Polystyrene Plasma. Journal of the Korean Physical Society, 2007, 51, 1695-1699.	0.7	5
53	Study on the Tracks in a Nuclear Track Detector (CR39) for Detection of Laser-Induced Charged Particles. Journal of the Korean Physical Society, 2007, 51, 426.	0.7	8
54	Observation of Intense Terahertz Radiation from a Laser-Produced Relativistic Plasma Generated on Metal and Plastic Solid Targets. Journal of the Korean Physical Society, 2007, 51, 421.	0.7	2

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55	Sequence effect of optical elements in a femtosecond Ti:sapphire laser oscillator. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1369.	2.1	1
56	Temporal and spatial characterization of harmonics structures of relativistic nonlinear Thomson scattering. Optics Express, 2003, 11, 309.	3.4	35
57	Innershell femtosecond x-ray lasers pumped by Larmor radiation and characteristics of Larmor radiation. , 2003, , .		2
58	Effect of excited states on the ionization balance in plasmas via the enhancement of ionization and recombination rate coefficients. Physical Review E, 1999, 60, 2224-2230.	2.1	6
59	Characterization of OPCPA with BBO crystal for femtosecond Ti:sapphire laser pulses. , 0, , .		0