

Seontae Kim

List of Publications by Year in descending order

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29
papers

143
citations

1040056

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1199594

12
g-index

30
all docs

30
docs citations

30
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Fingerprint ridges allow primates to regulate grip. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31665-31673.	7.1	25
2	Theory of Multimode Resonant Backward-Wave Oscillator With an Inclined Electron Beam. IEEE Transactions on Electron Devices, 2015, 62, 1628-1634.	3.0	20
3	High-Q Metallic Fano Metamaterial for Highly Efficient Cerenkov Lasing. Advanced Optical Materials, 2018, 6, 1800041.	7.3	16
4	Surface-coupling of Cerenkov radiation from a modified metallic metamaterial slab via Brillouin-band folding. Optics Express, 2014, 22, 3039.	3.4	15
5	Design Study of CW-THz Wave Transmission Without Mode Competition in an Oversized Relativistic Backward Wave Oscillator. IEEE Transactions on Plasma Science, 2017, 45, 610-622.	1.3	14
6	Uniform high current and current density field emission from the chiseled edge of a vertically aligned graphene-based thin film. Journal of Electromagnetic Waves and Applications, 2017, 31, 2064-2073.	1.6	12
7	Effects on electronics exposed to high-power microwaves on the basis of a relativistic backward-wave oscillator operating on the X-band. Journal of Electromagnetic Waves and Applications, 2017, 31, 1875-1901.	1.6	11
8	High performance CNT point emitter with graphene interfacial layer. Nanotechnology, 2014, 25, 455601.	2.6	9
9	Automodulation Processes in Clinotrons With Low-Focusing Magnetic Field. IEEE Transactions on Electron Devices, 2015, 62, 1617-1621.	3.0	9
10	Ionizing radiation in electronics from the Compton scattering of quasi-stationary particles generated by characteristic and Bremsstrahlung x rays. AIP Advances, 2020, 10, .	1.3	3
11	Full manipulation of transparency and absorption through direct tuning of dark modes in high-Q Fano metamaterials. Optics Express, 2022, 30, 3443.	3.4	3
12	Low-level RF control of a klystron for medical linear accelerator applications. AIP Advances, 2019, 9, 025012.	1.3	2
13	Performance of an impedance-variable pulsed high-power electron-beam accelerator based on energy efficient transmission. Review of Scientific Instruments, 2020, 91, 113306.	1.3	2
14	Miniaturized two-stack Blumlein pulser with a variable repetition-rate for non-thermal irreversible-electroporation experiments. Review of Scientific Instruments, 2017, 88, 014704.	1.3	1
15	Improved field emission from tungsten doped reduced graphene oxide. , 2017, , .		1
16	Enhanced Smith-Purcell radiation in frequency independent dielectric grating. , 2012, , .		0
17	Bending transmission of human hair at terahertz frequency regime. , 2012, , .		0
18	Enhanced radiation in a modified metallic metamaterial driven by pre-bunched electrons. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Investigation of emission capability of reduced graphene oxide film cathode for terahertz vacuum electron devices. , 2015, , .		0
20	Electromagnetic field enhancement in metallic metamaterials : A potential for compact terahertz free-electron lasers. , 2015, , .		0
21	High-Q electronic fano resonances in metallic subwavelength slits. , 2017, , .		0
22	Transient pulse analysis of ionized electronics exposed to $\hat{1}^3$ -radiation generated from a relativistic electron beam. AIP Advances, 2018, 8, 025001.	1.3	0
23	Hydrothermally prepared reduced graphene oxide free standing film as high current field emitter. , 2019, , .		0
24	High-Q THz Fano Metamaterial Interacting With Vacuum Electron. , 2019, , .		0
25	Alignment of Carbon Nanotubes inside the Fibers Through Interfacial Interaction of Nanoparticles for Using as Cathode for Field Emission. , 2019, , .		0
26	High-power THz Wave Generation through Coherent Cherenkov Radiation based on a Plasma Dielectric Wake-field Accelerator using Relativistic Annular Electron Beam. , 2019, , .		0
27	Enhanced radiation using Cerenkov effect in Fano metamerical. , 2019, , .		0
28	Dependence of Irradiated High-Power Electromagnetic Waves on the Failure Threshold Time of Semiconductors Using a Closed Waveguide. Electronics (Switzerland), 2021, 10, 1884.	3.1	0
29	Study of Coherent High-Power Electromagnetic Wave Generation Based on Cherenkov Radiation Using Plasma Wakefield Accelerator with Relativistic Electron Beam in Vacuum. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2018, 29, 407-410.	0.3	0