

# Seontae Kim

## List of Publications by Year in descending order

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29  
papers

143  
citations

1040056

9  
h-index

1199594

12  
g-index

30  
all docs

30  
docs citations

30  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Hydrothermally prepared reduced graphene oxide free standing film as high current field emitter. , 2019, , .		0
7	High-Q THz Fano Metamaterial Interacting With Vacuum Electron. , 2019, , .		0
8	Alignment of Carbon Nanotubes inside the Fibers Through Interfacial Interaction of Nanoparticles for Using as Cathode for Field Emission. , 2019, , .		0
9	High-power THz Wave Generation through Coherent Cherenkov Radiation based on a Plasma Dielectric Wake-field Accelerator using Relativistic Annular Electron Beam. , 2019, , .		0
10	Enhanced radiation using Cerenkov effect in Fano metamaterial. , 2019, , .		0
11	Low-level RF control of a klystron for medical linear accelerator applications. AIP Advances, 2019, 9, 025012.	1.3	2
12	Transient pulse analysis of ionized electronics exposed to $\hat{\Gamma}^3$ -radiation generated from a relativistic electron beam. AIP Advances, 2018, 8, 025001.	1.3	0
13	High-Q Metallic Fano Metamaterial for Highly Efficient Cherenkov Lasing. Advanced Optical Materials, 2018, 6, 1800041.	7.3	16
14	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
15	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
16	Design Study of GW-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
17	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
18	Improved field emission from tungsten doped reduced graphene oxide. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	High-Q electronic fano resonances in metallic subwavelength slits. , 2017, , .		0
20	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
21	Enhanced radiation in a modified metallic metamaterial driven by pre-bunched electrons. , 2015, , .		0
22	Investigation of emission capability of reduced graphene oxide film cathode for terahertz vacuum electron devices. , 2015, , .		0
23	Electromagnetic field enhancement in metallic metamaterials : A potential for compact terahertz free-electron lasers. , 2015, , .		0
24	Theory of Multimode Resonant Backward-Wave Oscillator With an Inclined Electron Beam. IEEE Transactions on Electron Devices, 2015, 62, 1628-1634.	3.0	20
25	Automodulation Processes in Clinotrons With Low-Focusing Magnetic Field. IEEE Transactions on Electron Devices, 2015, 62, 1617-1621.	3.0	9
26	Surface-coupling of Cerenkov radiation from a modified metallic metamaterial slab via Brillouin-band folding. Optics Express, 2014, 22, 3039.	3.4	15
27	High performance CNT point emitter with graphene interfacial layer. Nanotechnology, 2014, 25, 455601.	2.6	9
28	Enhanced Smith-Purcell radiation in frequency independent dielectric grating. , 2012, , .		0
29	Bending transmission of human hair at terahertz frequency regime. , 2012, , .		0