Hyeong-Ryeol Park

List of Publications by Year
in descending order

22	939	623734 14	752698 20
papers	citations	h-index	g-index

23	23	23	1108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terahertz spectroscopy of high temperature superconductors and their photonic applications. Journal of the Korean Physical Society, 2022, 81, 490-501.	0.7	2
2	Drift-dominant exciton funneling and trion conversion in 2D semiconductors on the nanogap. Science Advances, 2022, 8, eabm5236.	10.3	21
3	Beyond-hot-spot absorption enhancement on top of terahertz nanotrenches. Nanophotonics, 2022, 11, 3159-3167.	6.0	5
4	Measuring Complex Refractive Indices of a Nanometer-Thick Superconducting Film Using Terahertz Time-Domain Spectroscopy with a 10 Femtoseconds Pulse Laser. Crystals, 2021, 11, 651.	2.2	5
5	Terahertz Biochemical Moleculeâ€Specific Sensors. Advanced Optical Materials, 2020, 8, 1900662.	7.3	95
6	THz Biochemical Sensors: Terahertz Biochemical Moleculeâ€Specific Sensors (Advanced Optical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	7.3	3
7	Largeâ€Area Metal Gaps and Their Optical Applications. Advanced Optical Materials, 2019, 7, 1800426.	7.3	27
8	Anomalous extinction in index-matched terahertz nanogaps. Nanophotonics, 2018, 7, 347-354.	6.0	17
9	Electromagnon with Sensitive Terahertz Magnetochromism in a Room-Temperature Magnetoelectric Hexaferrite. Physical Review Letters, 2018, 120, 027202.	7.8	19
10	Three-Dimensional Anisotropic Metamaterials as Triaxial Optical Inclinometers. Scientific Reports, 2017, 7, 2680.	3.3	11
11	3D Microelectronics: Selfâ€Assembled Multifunctional 3D Microdevices (Adv. Electron. Mater. 6/2016). Advanced Electronic Materials, 2016, 2, .	5.1	0
12	Selfâ€Assembled Multifunctional 3D Microdevices. Advanced Electronic Materials, 2016, 2, 1500459.	5.1	20
13	Terahertz Waves: Perfect Extinction of Terahertz Waves in Monolayer Graphene over 2-nm-Wide Metallic Apertures (Advanced Optical Materials 5/2015). Advanced Optical Materials, 2015, 3, 714-714.	7.3	1
14	Nanogap-Enhanced Terahertz Sensing of 1 nm Thick (Î»/10⁶) Dielectric Films. ACS Photonics, 2015, 2, 417-424.	6.6	85
15	Perfect Extinction of Terahertz Waves in Monolayer Graphene over 2â€nmâ€Wide Metallic Apertures. Advanced Optical Materials, 2015, 3, 667-673.	7.3	28
16	High-density metallic nanogap arrays for the sensitive detection of single-walled carbon nanotube thin films. Faraday Discussions, 2015, 178, 195-201.	3.2	16
17	Squeezing Millimeter Waves through a Single, Nanometer-wide, Centimeter-long Slit. Scientific Reports, 2014, 4, 6722.	3.3	34
18	Colossal Absorption of Molecules Inside Single Terahertz Nanoantennas. Nano Letters, 2013, 13, 1782-1786.	9.1	178

#	Article	IF	Citations
19	Atomic layer lithography of wafer-scale nanogap arrays for extreme confinement of electromagnetic waves. Nature Communications, 2013, 4, 2361.	12.8	286
20	Surface plasmon-enhanced terahertz emission from single layer graphene. , 2012, , .		0
21	Terahertz pinch harmonics enabled by single nano rods. Optics Express, 2011, 19, 24775.	3.4	20
22	Controlling Terahertz Radiation with Nanoscale Metal Barriers Embedded in Nano Slot Antennas. ACS Nano, 2011, 5, 8340-8345.	14.6	66