

Doo Jae Park

List of Publications by Year in descending order

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49
papers

1,964
citations

361413
20
h-index

302126
39
g-index

49
all docs

49
docs citations

49
times ranked

2356
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz field enhancement by a metallic nano slit operating beyond the skin-depth limit. Nature Photonics, 2009, 3, 152-156.	31.4	514
2	Femtosecond Light Transmission and Subradiant Damping in Plasmonic Crystals. Physical Review Letters, 2005, 94, 113901.	7.8	217
3	Carrier-envelope phase effects on the strong-field photoemission of electrons from metallic nanostructures. Nature Photonics, 2014, 8, 37-42.	31.4	179
4	Vector field microscopic imaging of light. Nature Photonics, 2007, 1, 53-56.	31.4	173
5	Nanopattern enabled terahertz all-optical switching on vanadium dioxide thin film. Applied Physics Letters, 2011, 98, .	3.3	116
6	Strong Field Acceleration and Steering of Ultrafast Electron Pulses from a Sharp Metallic Nanotip. Physical Review Letters, 2012, 109, 244803.	7.8	97
7	Terahertz transparency at Fabry-Perot resonances of periodic slit arrays in a metal plate: experiment and theory. Optics Express, 2006, 14, 12637.	3.4	78
8	Terahertz nanoresonators: Giant field enhancement and ultrabroadband performance. Applied Physics Letters, 2010, 96, .	3.3	59
9	Directional control of surface plasmon polariton waves propagating through an asymmetric Bragg resonator. Applied Physics Letters, 2009, 94, 063115.	3.3	56
10	Terahertz conductivity of reduced graphene oxide films. Optics Express, 2013, 21, 7633.	3.4	54
11	Dielectric Constant Engineering of Single-Walled Carbon Nanotube Films for Metamaterials and Plasmonic Devices. Journal of Physical Chemistry Letters, 2013, 4, 3950-3957.	4.6	45
12	Surface plasmon resonance extension through two-block metal-conducting polymer nanorods. Nature Communications, 2018, 9, 1010.	12.8	45
13	Terahertz near-field enhancement in narrow rectangular apertures on metal film. Optics Express, 2009, 17, 12493.	3.4	44
14	Modulating Electronic Properties of Monolayer MoS ₂ <i>via</i> Electron-Withdrawing Functional Groups of Graphene Oxide. ACS Nano, 2016, 10, 10446-10453.	14.6	41
15	Fabry-Perot tuning of the band-gap polarity in plasmonic crystals. Physical Review B, 2007, 75, .	3.2	27
16	Suppressing spontaneous polarization of p-GaN by graphene oxide passivation: Augmented light output of GaN UV-LED. Scientific Reports, 2015, 5, 7778.	3.3	27
17	Terahertz Wave Applications of Single-Walled Carbon Nanotube Films with High Shielding Effectiveness. Applied Physics Express, 2012, 5, 015102.	2.4	23
18	Near-Zero Index: Optical Magnetic Mirror for Field Enhancement and Subwavelength Imaging Applications. Advanced Optical Materials, 2015, 3, 1719-1725.	7.3	23

#	ARTICLE	IF	CITATIONS
19	Tip-Enhanced Raman Scattering Imaging of Two-Dimensional Tungsten Disulfide with Optimized Tip Fabrication Process. <i>Scientific Reports</i> , 2017, 7, 40810.	3.3	23
20	Characterizing the optical near-field in the vicinity of a sharp metallic nanoprobe by angle-resolved electron kinetic energy spectroscopy. <i>Annalen Der Physik</i> , 2013, 525, 135-142.	2.4	22
21	Experimental verification of surface plasmon amplification on a metallic transmission grating. <i>Physical Review B</i> , 2008, 77, .	3.2	21
22	Theoretical Study of Terahertz Near-Field Enhancement Assisted by Shape Resonance in Rectangular Hole Arrays in Metal Films. <i>Journal of the Korean Physical Society</i> , 2009, 54, 64-70.	0.7	18
23	Ultrafast Strong-Field Tunneling Emission in Graphene Nanogaps. <i>ACS Photonics</i> , 2018, 5, 3943-3949.	6.6	10
24	Near-to-far-field spectral evolution in a plasmonic crystal: Experimental verification of the equipartition of diffraction orders. <i>Applied Physics Letters</i> , 2008, 93, 073109.	3.3	9
25	Polarization-selective alignment of a carbon nanotube film by using femtosecond laser ablation. <i>Journal of the Korean Physical Society</i> , 2016, 68, 210-214.	0.7	7
26	Au cluster formation on a pore containing membrane under the various surface treatments. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 04F107.	1.2	6
27	Electronic control of ultrafast field emission in carbon nanotube gaps. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	6
28	Ultrashort field emission in metallic nanostructures and low-dimensional carbon materials. <i>Advances in Physics: X</i> , 2020, 5, 1726207.	4.1	6
29	A Concept of Cantilevers Optical Dimension for Optimal Application to Cantilever-Based Near-Field Scanning Optical Microscope and Its Measurement. <i>Journal of the Korean Physical Society</i> , 2019, 74, 637-641.	0.7	3
30	Effect of a dielectric substrate with a subwavelength thickness on light diffraction by rectangular hole arrays on metallic film. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1390-1398.	0.7	2
31	A carbon contamination cleaning of gold film by electron beam irradiation with minimum structural damages. <i>Journal of the Korean Physical Society</i> , 2017, 71, 467-470.	0.7	2
32	An Optimization of Electrochemical Etching Conditions for Gold Nanotips Fabrication. <i>Journal of the Korean Physical Society</i> , 2018, 72, 1069-1072.	0.7	2
33	Efficient shielding of terahertz waves using carbon nanotube films fabricated by filtration method. , 2009, , .		1
34	Cancer cell imaging by stable wet near-field scanning optical microscope with resonance tracking method. <i>Journal of the Korean Physical Society</i> , 2014, 64, 1500-1503.	0.7	1
35	Subwavelength Imaging: Near-Zero Index: Optical Magnetic Mirror for Field Enhancement and Subwavelength Imaging Applications (<i>Advanced Optical Materials</i> 12/2015). <i>Advanced Optical Materials</i> , 2015, 3, 1718-1718.	7.3	1
36	Second harmonic generation in a KNbO ₃ nanorod and its detection by using a near-field scanning optical microscope. <i>Journal of the Korean Physical Society</i> , 2016, 68, 975-978.	0.7	1

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37	Thickness-dependent enhancement of the optical resolution in the vicinity of an epsilon-near-zero slab. Journal of the Korean Physical Society, 2016, 69, 268-271.	0.7	1
38	Control of surface plasmon excitation in metallic slit nanostructures in a wet environment. Journal of the Korean Physical Society, 2017, 71, 459-461.	0.7	1
39	Surface-Plasmon Assisted Transmission Through an Ultrasmall Nanohole of ~ 10 nm with a Bull's Eye Groove. Journal of the Korean Physical Society, 2018, 73, 1698-1702.	0.7	1
40	Development of a Theoretical Model for Strong-Field Photoemission in a 2-Dimensional Conducting Sheet. Journal of the Korean Physical Society, 2019, 75, 882-886.	0.7	1
41	A Simulation Study for Field Enhancement due to Multiresonant Localized Surface Plasmon Excitation in the truncated Octahedral Gold Nanoparticle Arrays. Journal of the Korean Physical Society, 2020, 77, 1148-1152.	0.7	1
42	Spectral and Spatial Analysis on Near-field Fresnel Coefficient using Femtosecond Laser. , 2007, , .		0
43	Femtosecond coherent control of near field images of periodic slit arrays in gold film. , 2007, , .		0
44	High-power terahertz pulse generation in phenolic configurationally-locked polyene single crystal. , 2009, , .		0
45	Terahertz near-field accumulation assisted by shape resonance in narrow rectangular apertures on metal film. , 2009, , .		0
46	Enhanced transmission of terahertz waves through subwavelength apertures in carbon nanotube network films. , 2010, , .		0
47	Theory of light scattering in subwavelength metallic slot antenna array fabricated on subwavelength thin film. Journal of the Korean Physical Society, 2015, 67, 1158-1166.	0.7	0
48	Theory of dispersion of an ultrafast electron wavepacket generated by a femtosecond laser pulse in a nanostructure. Journal of the Korean Physical Society, 2016, 69, 1182-1186.	0.7	0
49	Resonance switching using ultrafast laser in THz plasmonic devices based on hybrid structure of semiconductor and carbon nanotube. Journal of the Korean Physical Society, 2017, 70, 1037-1040.	0.7	0