

SeokJae Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,168
citations

516215

16
h-index

433756

31
g-index

37
all docs

37
docs citations

37
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular chirality detection using plasmonic and dielectric nanoparticles. <i>Nanophotonics</i> , 2022, 11, 1897-1904.	2.9	8
2	Spectroscopic ellipsometry for low-dimensional materials and heterostructures. <i>Nanophotonics</i> , 2022, 11, 2811-2825.	2.9	14
3	Gyroelectric guided modes with transverse optical spin. <i>Optics Express</i> , 2021, 29, 10631.	1.7	1
4	Efficient Fizeau drag from Dirac electrons in monolayer graphene. <i>Nature</i> , 2021, 594, 517-521.	13.7	48
5	Circularly Polarized Emission from Organic-Inorganic Hybrid Perovskites via Chiral Fano Resonances. <i>ACS Nano</i> , 2021, 15, 13781-13793.	7.3	28
6	Gate-tunable plasmons in mixed-dimensional van der Waals heterostructures. <i>Nature Communications</i> , 2021, 12, 5039.	5.8	20
7	Topological Control of 2D Perovskite Emission in the Strong Coupling Regime. <i>Nano Letters</i> , 2021, 21, 10076-10085.	4.5	22
8	Infrared Light-Emitting Devices from Antenna-Coupled Luttinger Liquid Plasmons In Carbon Nanotubes. <i>Physical Review Letters</i> , 2021, 127, 257702.	2.9	2
9	Tunneling Spectroscopy in Carbon Nanotube-Hexagonal Boron Nitride-Carbon Nanotube Heterojunctions. <i>Nano Letters</i> , 2020, 20, 6712-6718.	4.5	6
10	Measuring the optical permittivity of two-dimensional materials without a priori knowledge of electronic transitions. <i>Nanophotonics</i> , 2019, 8, 263-270.	2.9	77
11	Causal homogenization of metamaterials. <i>Nanophotonics</i> , 2019, 8, 1063-1069.	2.9	9
12	Bioinspired Toolkit Based on Intermolecular Encoder toward Evolutionary 4D Chiral Plasmonic Materials. <i>Accounts of Chemical Research</i> , 2019, 52, 2768-2783.	7.6	41
13	Maximal Visible Light Energy Transfer to Ultrathin Semiconductor Films Enabled by Dispersion Control. <i>Advanced Optical Materials</i> , 2019, 7, 1801229.	3.6	9
14	Metamaterials and chiral sensing: a review of fundamentals and applications. <i>Nanophotonics</i> , 2019, 8, 249-261.	2.9	158
15	Loss-Free Negative-Index Metamaterials Using Forward Light Scattering in Dielectric Meta-Atoms. <i>ACS Photonics</i> , 2018, 5, 1370-1374.	3.2	23
16	Anomalous Wavelength Scaling of Tightly Coupled Terahertz Metasurfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19331-19335.	4.0	8
17	Correction to "Loss-Free Negative-Index Metamaterials Using Forward Light Scattering in Dielectric Meta-Atoms". <i>ACS Photonics</i> , 2018, 5, 2537-2537.	3.2	0
18	Polarimetric microscopy for optical control and high precision measurement of valley polarization. <i>Review of Scientific Instruments</i> , 2018, 89, 063118.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Robust numerical evaluation of circular dichroism from chiral medium/nanostructure coupled systems using the finite-element method. <i>Scientific Reports</i> , 2018, 8, 8406.	1.6	16
20	Label-Free Sensing: Extraordinary Figure-of-Merit of Magnetic Resonance from Ultrathin Silicon Nanohole Membrane as All-Dielectric Metamaterial (<i>Advanced Optical Materials</i> 3/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	3.6	0
21	Optically Patternable Metamaterial Below Diffraction Limit. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18405-18409.	4.0	2
22	Large-area plasmon enhanced two-dimensional MoS ₂ . <i>Nanoscale</i> , 2017, 9, 16244-16248.	2.8	21
23	Microscopic Origin of Surface-Enhanced Circular Dichroism. <i>ACS Photonics</i> , 2017, 4, 2047-2052.	3.2	52
24	Limitations and Opportunities for Optical Metafluids To Achieve an Unnatural Refractive Index. <i>ACS Photonics</i> , 2017, 4, 2298-2311.	3.2	39
25	Extraordinary Figure-of-Merit of Magnetic Resonance from Ultrathin Silicon Nanohole Membrane as All-Dielectric Metamaterial. <i>Advanced Optical Materials</i> , 2017, 5, 1600628.	3.6	4
26	Analysis on the surface-enhanced circular dichroism spectroscopy. , 2017, , .		0
27	Strong visible magnetic resonance of size-controlled silicon-nanoblock metasurfaces. <i>Applied Physics Express</i> , 2016, 9, 042001.	1.1	6
28	Plasmon Enhanced Direct Bandgap Emissions in Cu ₇ S ₄ @Au ₂ S@Au Nanorings. <i>Small</i> , 2016, 12, 5728-5733.	5.2	16
29	Light extraction efficiency enhancement using surface-structured light-emitting diodes with a subwavelength coating. <i>Journal of the Korean Physical Society</i> , 2016, 68, 462-466.	0.3	0
30	Enhancement of Chiroptical Signals by Circular Differential Mie Scattering of Nanoparticles. <i>Scientific Reports</i> , 2015, 5, 14463.	1.6	43
31	Chiral Light-Matter Interaction in Optical Resonators. <i>Physical Review Letters</i> , 2015, 114, 203003.	2.9	105
32	Fano resonant chiral electromagnetic fields by metasurfaces. , 2015, , .		0
33	Electromagnetic metamaterial simulations using a GPU-accelerated FDTD method. <i>Journal of the Korean Physical Society</i> , 2015, 67, 2026-2032.	0.3	2
34	Globally enhanced chiral field generation by negative-index metamaterials. <i>Physical Review B</i> , 2014, 89, .	1.1	44
35	Effective permittivity for resonant plasmonic nanoparticle systems via dressed polarizability. <i>Optics Express</i> , 2012, 20, 16480.	1.7	28
36	Improvement of effective medium approximation for dense plasmonic nanoparticle monolayers. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Enhanced light extraction from GaN-based light-emitting diodes with holographically generated two-dimensional photonic crystal patterns. Applied Physics Letters, 2005, 87, 203508.	1.5	313