

Jungho Mun

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

1,327
citations

17
h-index

36
g-index

40
ext. papers

1,882
ext. citations

9
avg, IF

5.11
L-index

#	Paper	IF	Citations
38	Second Harmonic Optical Circular Dichroism of Plasmonic Chiral Helicoid-III Nanoparticles.. <i>ACS Photonics</i> , 2022 , 9, 784-792	6.3	4
37	Nanofabrication of Plasmonic Structures 2022 , 85-134		
36	Charge Recycling Mechanism Through a Triplet Charge-Transfer State in Ternary-Blend Organic Solar Cells Containing a Nonfullerene Acceptor. <i>ACS Energy Letters</i> , 2021 , 6, 2610-2618	20.1	5
35	Pixelated bifunctional metasurface-driven dynamic vectorial holographic color prints for photonic security platform. <i>Nature Communications</i> , 2021 , 12, 3614	17.4	52
34	Realization of Artificial Chirality in Micro-/Nano-Scale Three-Dimensional Plasmonic Structures. <i>Topics in Applied Physics</i> , 2021 , 241-263	0.5	0
33	Backward Phase-Matched Second-Harmonic Generation from Stacked Metasurfaces. <i>Physical Review Letters</i> , 2021 , 126, 033901	7.4	14
32	Elucidating the photoluminescence-enhancement mechanism in a push-pull conjugated polymer induced by hot-electron injection from gold nanoparticles. <i>Photonics Research</i> , 2021 , 9, 131	6	3
31	Describing Meta-Atoms Using the Exact Higher-Order Polarizability Tensors. <i>ACS Photonics</i> , 2020 , 7, 1153-1162	16.2	21
30	Cysteine-encoded chirality evolution in plasmonic rhombic dodecahedral gold nanoparticles. <i>Nature Communications</i> , 2020 , 11, 263	17.4	54
29	Multipole decomposition for interactions between structured optical fields and meta-atoms. <i>Optics Express</i> , 2020 , 28, 36756-36770	3.3	6
28	Near-zero reflection of all-dielectric structural coloration enabling polarization-sensitive optical encryption with enhanced switchability. <i>Nanophotonics</i> , 2020 , 10, 919-926	6.3	32
27	Flexible high-performance graphene hybrid photodetectors functionalized with gold nanostars and perovskites. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	5
26	Capillary-force-induced collapse lithography for controlled plasmonic nanogap structures. <i>Microsystems and Nanoengineering</i> , 2020 , 6, 65	7.7	17
25	Open-circuit voltage of organic solar cells: Effect of energetically and spatially nonuniform distribution of molecular energy levels in the photoactive layer. <i>Nano Energy</i> , 2020 , 78, 105336	17.1	6
24	Full and gradient structural colouration by lattice amplified gallium nitride Mie-resonators. <i>Nanoscale</i> , 2020 , 12, 21392-21400	7.7	23
23	Spectral Modulation through the Hybridization of Mie-Scatterers and Quasi-Guided Mode Resonances: Realizing Full and Gradients of Structural Color. <i>ACS Nano</i> , 2020 , 14, 15317-15326	16.7	44
22	Electromagnetic chirality: from fundamentals to nontraditional chiroptical phenomena. <i>Light: Science and Applications</i> , 2020 , 9, 139	16.7	85

21	Augmented Photoluminescence in a Conjugated Polymer by the Incorporation of CdSe/CdS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20605-20613	3.8	
20	Ultra-Sharp Circular Dichroism Induced by Twisted Layered C4 Oligomers. <i>Advanced Theory and Simulations</i> , 2020 , 3, 1900229	3.5	7
19	Simultaneous Inverse Design of Materials and Structures via Deep Learning: Demonstration of Dipole Resonance Engineering Using Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24264-24268	9.5	109
18	Importance of higher-order multipole transitions on chiral nearfield interactions. <i>Nanophotonics</i> , 2019 , 8, 941-948	6.3	17
17	Surface-enhanced spectroscopy: Toward practical analysis probe. <i>Applied Spectroscopy Reviews</i> , 2019 , 54, 142-175	4.5	12
16	Wavelength-decoupled geometric metasurfaces by arbitrary dispersion control. <i>Communications Physics</i> , 2019 , 2,	5.4	33
15	Spectrally Sharp Plasmon Resonances in the Near Infrared: Subwavelength Core-shell Nanoparticles. <i>Physical Review Applied</i> , 2019 , 12,	4.3	4
14	Effect of Hot-Electron Injection on the Excited-State Dynamics of a Hybrid Plasmonic System Containing Poly(3-hexylthiophene)-Coated Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26564-26570	3.8	3
13	Metasurface zone plate for light manipulation in vectorial regime. <i>Communications Physics</i> , 2019 , 2,	5.4	21
12	Smart SERS Hot Spots: Single Molecules Can Be Positioned in a Plasmonic Nanojunction Using Host-Guest Chemistry. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4705-4711	16.4	70
11	Amino-acid- and peptide-directed synthesis of chiral plasmonic gold nanoparticles. <i>Nature</i> , 2018 , 556, 360-365	50.4	446
10	Accordion-like plasmonic silver nanorod array exhibiting multiple electromagnetic responses. <i>NPG Asia Materials</i> , 2018 , 10, 190-196	10.3	9
9	Surface-enhanced circular dichroism by multipolar radiative coupling. <i>Optics Letters</i> , 2018 , 43, 2856-2859,		8
8	Polarization-sensitive tunable absorber in visible and near-infrared regimes. <i>Scientific Reports</i> , 2018 , 8, 12393	4.9	33
7	Visualization and Investigation of Charge Transport in Mixed-Halide Perovskite via Lateral-Structured Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2018 , 28, 1804067	15.6	17
6	Realization of Wafer-Scale Hyperlens Device for Sub-diffractive Biomolecular Imaging. <i>ACS Photonics</i> , 2018 , 5, 2549-2554	6.3	41
5	Demonstration of steering acoustic waves by generalized Eaton lens. <i>Applied Physics Letters</i> , 2018 , 113, 161904	3.4	9
4	Metasurfaces-Based Absorption and Reflection Control: Perfect Absorbers and Reflectors. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-18	3.2	42

3	Fabrication of three-dimensional suspended, interlayered and hierarchical nanostructures by accuracy-improved electron beam lithography overlay. <i>Scientific Reports</i> , 2017 , 7, 6668	4.9	37
2	Singlet Exciton Delocalization in Gold Nanoparticle-Tethered Poly(3-hexylthiophene) Nanofibers with Enhanced Intrachain Ordering. <i>Macromolecules</i> , 2017 , 50, 8487-8496	5.5	7
1	Electrically tunable metasurface perfect absorber for infrared frequencies. <i>Nano Convergence</i> , 2017 , 4, 36	9.2	30