Yin Yin

List of Publications by Citations

47 papers	1,261 citations	18 h-index	35 g-index
48 ext. papers	1,615 ext. citations	10.1 avg, IF	4.52 L-index

#	Paper	IF	Citations
47	Applications of Phosphorene and Black Phosphorus in Energy Conversion and Storage Devices. *Advanced Energy Materials*, **2018**, 8, 1702093	21.8	272
46	VO /TiN Plasmonic Thermochromic Smart Coatings for Room-Temperature Applications. *Advanced Materials*, **2018**, 30, 1705421	24	131
45	Tunable Pseudocapacitance in 3D TiO Nanomembranes Enabling Superior Lithium Storage Performance. *ACS Nano*, **2017**, 11, 821-830	16.7	113
44	Adaptive Thermochromic Windows from Active Plasmonic Elastomers. *Joule*, **2019**, 3, 858-871	27.8	76
43	Plasmonic nano-lasers. *Nano Energy*, **2012**, 1, 25-41	17.1	59
42	Spin-orbit coupling of light in asymmetric microcavities. *Nature Communications*, **2016**, 7, 10983	17.4	48
41	Facile design of ultra-thin anodic aluminum oxide membranes for the fabrication of plasmonic nanoarrays. *Nanotechnology*, **2017**, 28, 105301	3.4	47
40	Controlled Patterning of Plasmonic Dimers by Using an Ultrathin Nanoporous Alumina Membrane as a Shadow Mask. *ACS Applied Materials & Interfaces*, **2017**, 9, 36199-36205	9.5	39
39	3D Ag/NiO-Fe2O3/Ag nanomembranes as carbon-free cathode materials for Li-O2 batteries. *Energy Storage Materials*, **2019**, 16, 155-162	19.4	34
38	Localized Surface Plasmons Selectively Coupled to Resonant Light in Tubular Microcavities. *Physical Review Letters*, **2016**, 116, 253904	7.4	33
37	Hierarchically porous Pd/NiO nanomembranes as cathode catalysts in Li-O2 batteries. *Nano Energy*, **2016**, 30, 69-76	17.1	31
36	Three-Dimensional Microtubular Devices for Lab-on-a-Chip Sensing Applications. *ACS Sensors*, **2019**, 4, 1476-1496	9.2	27
35	Graphene-Activated Optoplasmonic Nanomembrane Cavities for Photodegradation Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 15891-15897	9.5	25
34	Tunable Silver Nanocap Superlattice Arrays for Surface-Enhanced Raman Scattering. *Journal of Physical Chemistry C*, **2011**, 115, 24328-24333	3.8	25
33	Silicon-Based Integrated Label-Free Optofluidic Biosensors: Latest Advances and Roadmap. *Advanced Materials Technologies*, **2020**, 5, 1901138	6.8	22
32	Recent developments in optofluidic-surface-enhanced Raman scattering systems: Design, assembly, and advantages. *Journal of Materials Research*, **2011**, 26, 170-185	2.5	22
31	Exploring Rolled-up Au/Ag Bimetallic Microtubes for Surface-Enhanced Raman Scattering Sensor. *Journal of Physical Chemistry C*, **2012**, 116, 25504-25508	3.8	21

30	Silver nanovoid arrays for surface-enhanced Raman scattering. *Langmuir*, **2012**, 28, 8799-803	4	20
29	On-Chip Integration of a Covalent Organic Framework-Based Catalyst into a Miniaturized Zn–Air Battery with High Energy Density. *ACS Energy Letters*, **2021**, 6, 2491-2498	20.1	17
28	Strong Coupling in a Photonic Molecule Formed by Trapping a Microsphere in a Microtube Cavity. *Advanced Optical Materials*, **2018**, 6, 1700842	8.1	16
27	In Situ Generation of Plasmonic Nanoparticles for Manipulating Photon-Plasmon Coupling in Microtube Cavities. *ACS Nano*, **2018**, 12, 3726-3732	16.7	15
26	Strongly hybridized plasmon-photon modes in optoplasmonic microtubular cavities. *Physical Review B*, **2015**, 92,	3.3	14
25	Silver Nanocap Enabled Conversion and Tuning of Hybrid Photon–Plasmon Modes in Microtubular Cavities. *ACS Photonics*, **2017**, 4, 736-740	6.3	11
24	Water nanostructure formation on oxide probed in situ by optical resonances. *Science Advances*, **2019**, 5, eaax6973	14.3	11
23	External Strain Enabled Post-Modification of Nanomembrane-Based Optical Microtube Cavities. *ACS Photonics*, **2018**, 5, 2060-2067	6.3	11
22	Hybridization of photon-plasmon modes in metal-coated microtubular cavities. *Physical Review A*, **2016**, 94,	2.6	11
21	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. *ACS Energy Letters*, **2021**, 6, 1859-1868	20.1	11
20	Deterministic Yet Flexible Directional Light Emission from Spiral Nanomembrane Cavities. *ACS Photonics*, **2019**, 6, 2537-2544	6.3	10
19	Recent Progress on Optoplasmonic Whispering-Gallery-Mode Microcavities. *Advanced Optical Materials*, **2021**, 9, 2100143	8.1	10
18	Curved Nanomembrane-Based Concentric Ring Cavities for Supermode Hybridization. *Nano Letters*, **2018**, 18, 7261-7267	11.5	10
17	Topology induced anomalous plasmon modes in metallic Möbius nanorings. *Laser and Photonics Reviews*, **2017**, 11, 1600219	8.3	8
16	Tunable fluorescence from patterned silver nano-island arrays for sensitive sub-cell imaging. *Journal Physics D: Applied Physics*, **2013**, 46, 495302	3	7
15	Silicon nitride nanobeam enhanced emission from all-inorganic perovskite nanocrystals. *Optics Express*, **2019**, 27, 18673-18682	3.3	7
14	Decoding of Oxygen Network Distortion in a Layered High-Rate Anode by Investigation of a Single Microelectrode. *ACS Nano*, **2020**, 14, 11753-11764	16.7	7
13	Imperceptible Supercapacitors with High Area-Specific Capacitance. *Small*, **2021**, 17, e2101704	11	7

12	Nanoporous Copper Pattern Fabricated by Electron Beam Irradiation on Cu3N Film for SERS Application. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1800378	1.3	6
11	Surface-Enhanced Raman Scattering Enabled by Metal-Coated Dielectric Microspheres. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1800379	1.3	5
10	Direct Thermal Enhancement of Hydrogen Evolution Reaction of On-Chip Monolayer MoS.. *ACS Nano*, **2022**,	16.7	5
9	Multiplexing and tuning of a double set of resonant modes in optical microtube cavities monolithically integrated on a photonic chip. *Optics Letters*, **2018**, 43, 4703-4706	3	4
8	Tunable surface-enhanced Raman scattering from high-density gold semishell arrays with controllable dimensions. *ChemPhysChem*, **2014**, 15, 337-43	3.2	3
7	Steering Directional Light Emission and Mode Chirality through Postshaping of Cavity Geometry. *Laser and Photonics Reviews*, **2020**, 14, 2000118	8.3	3
6	Active Plasmonics in Kirigami Configurations Toward High-Performance Smart Windows. *SSRN Electronic Journal*,	1	2
5	Perovskite Origami for Programmable Microtube Lasing. *Advanced Functional Materials*,2109080	15.6	2
4	Dynamic tuning of photon-plasmon interaction based on three-dimensionally confined microtube cavities. *Optics Letters*, **2020**, 45, 5720-5723	3	1
3	Nanogap Enabled Trajectory Splitting and 3D Optical Coupling in Self-Assembled Microtubular Cavities. *ACS Nano*, **2021**,	16.7	1
2	Atomic Heterointerface Boosts the Catalytic Activity toward Oxygen Reduction/Evolution Reaction. *Advanced Energy Materials*,2102235	21.8	1
1	Selective Out-of-Plane Optical Coupling between Vertical and Planar Microrings in a 3D Configuration. *Advanced Optical Materials*, **2020**, 8, 2000782	8.1	0