

# Yin Yin

## List of Publications by Year in Descending Order

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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.

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	Direct Thermal Enhancement of Hydrogen Evolution Reaction of On-Chip Monolayer MoS <sub>2</sub> . <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
46	Nanogap Enabled Trajectory Splitting and 3D Optical Coupling in Self-Assembled Microtubular Cavities. <i>ACS Nano</i> , <b>2021</b> ,	16.7	1
45	Recent Progress on Optoplasmonic Whispering-Gallery-Mode Microcavities. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100143	8.1	10
44	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1859-1868	20.1	11
43	Imperceptible Supercapacitors with High Area-Specific Capacitance. <i>Small</i> , <b>2021</b> , 17, e2101704	11	7
42	On-Chip Integration of a Covalent Organic Framework-Based Catalyst into a Miniaturized Zn  Air Battery with High Energy Density. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2491-2498	20.1	17
41	Silicon-Based Integrated Label-Free Optofluidic Biosensors: Latest Advances and Roadmap. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1901138	6.8	22
40	Dynamic tuning of photon-plasmon interaction based on three-dimensionally confined microtube cavities. <i>Optics Letters</i> , <b>2020</b> , 45, 5720-5723	3	1
39	Decoding of Oxygen Network Distortion in a Layered High-Rate Anode by Investigation of a Single Microelectrode. <i>ACS Nano</i> , <b>2020</b> , 14, 11753-11764	16.7	7
38	Selective Out-of-Plane Optical Coupling between Vertical and Planar Microrings in a 3D Configuration. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000782	8.1	0
37	Steering Directional Light Emission and Mode Chirality through Postshaping of Cavity Geometry. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 2000118	8.3	3
36	Water nanostructure formation on oxide probed in situ by optical resonances. <i>Science Advances</i> , <b>2019</b> , 5, eaax6973	14.3	11
35	Deterministic Yet Flexible Directional Light Emission from Spiral Nanomembrane Cavities. <i>ACS Photonics</i> , <b>2019</b> , 6, 2537-2544	6.3	10
34	Three-Dimensional Microtubular Devices for Lab-on-a-Chip Sensing Applications. <i>ACS Sensors</i> , <b>2019</b> , 4, 1476-1496	9.2	27
33	Graphene-Activated Optoplasmonic Nanomembrane Cavities for Photodegradation Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15891-15897	9.5	25
32	Adaptive Thermochromic Windows from Active Plasmonic Elastomers. <i>Joule</i> , <b>2019</b> , 3, 858-871	27.8	76
31	Silicon nitride nanobeam enhanced emission from all-inorganic perovskite nanocrystals. <i>Optics Express</i> , <b>2019</b> , 27, 18673-18682	3.3	7

30	Surface-Enhanced Raman Scattering Enabled by Metal-Coated Dielectric Microspheres. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1800379	1.3	5
29	Nanoporous Copper Pattern Fabricated by Electron Beam Irradiation on Cu <sub>3</sub> N Film for SERS Application. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1800378	1.3	6
28	3D Ag/NiO-Fe <sub>2</sub> O <sub>3</sub> /Ag nanomembranes as carbon-free cathode materials for Li-O <sub>2</sub> batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 155-162	19.4	34
27	External Strain Enabled Post-Modification of Nanomembrane-Based Optical Microtube Cavities. <i>ACS Photonics</i> , <b>2018</b> , 5, 2060-2067	6.3	11
26	In Situ Generation of Plasmonic Nanoparticles for Manipulating Photon-Plasmon Coupling in Microtube Cavities. <i>ACS Nano</i> , <b>2018</b> , 12, 3726-3732	16.7	15
25	VO <sub>2</sub> /TiN Plasmonic Thermochromic Smart Coatings for Room-Temperature Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705421	24	131
24	Applications of Phosphorene and Black Phosphorus in Energy Conversion and Storage Devices. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702093	21.8	272
23	Strong Coupling in a Photonic Molecule Formed by Trapping a Microsphere in a Microtube Cavity. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1700842	8.1	16
22	Multiplexing and tuning of a double set of resonant modes in optical microtube cavities monolithically integrated on a photonic chip. <i>Optics Letters</i> , <b>2018</b> , 43, 4703-4706	3	4
21	Curved Nanomembrane-Based Concentric Ring Cavities for Supermode Hybridization. <i>Nano Letters</i> , <b>2018</b> , 18, 7261-7267	11.5	10
20	Facile design of ultra-thin anodic aluminum oxide membranes for the fabrication of plasmonic nanoarrays. <i>Nanotechnology</i> , <b>2017</b> , 28, 105301	3.4	47
19	Topology induced anomalous plasmon modes in metallic Möbius nanorings. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1600219	8.3	8
18	Silver Nanocap Enabled Conversion and Tuning of Hybrid Photon-Plasmon Modes in Microtubular Cavities. <i>ACS Photonics</i> , <b>2017</b> , 4, 736-740	6.3	11
17	Tunable Pseudocapacitance in 3D TiO <sub>2</sub> Nanomembranes Enabling Superior Lithium Storage Performance. <i>ACS Nano</i> , <b>2017</b> , 11, 821-830	16.7	113
16	Controlled Patterning of Plasmonic Dimers by Using an Ultrathin Nanoporous Alumina Membrane as a Shadow Mask. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36199-36205	9.5	39
15	Hybridization of photon-plasmon modes in metal-coated microtubular cavities. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	11
14	Localized Surface Plasmons Selectively Coupled to Resonant Light in Tubular Microcavities. <i>Physical Review Letters</i> , <b>2016</b> , 116, 253904	7.4	33
13	Spin-orbit coupling of light in asymmetric microcavities. <i>Nature Communications</i> , <b>2016</b> , 7, 10983	17.4	48

12	Hierarchically porous Pd/NiO nanomembranes as cathode catalysts in Li-O <sub>2</sub> batteries. <i>Nano Energy</i> , <b>2016</b> , 30, 69-76	17.1	31
11	Strongly hybridized plasmon-photon modes in optoplasmonic microtubular cavities. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	14
10	Tunable surface-enhanced Raman scattering from high-density gold semishell arrays with controllable dimensions. <i>ChemPhysChem</i> , <b>2014</b> , 15, 337-43	3.2	3
9	Tunable fluorescence from patterned silver nano-island arrays for sensitive sub-cell imaging. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 495302	3	7
8	Exploring Rolled-up AuAg Bimetallic Microtubes for Surface-Enhanced Raman Scattering Sensor. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25504-25508	3.8	21
7	Plasmonic nano-lasers. <i>Nano Energy</i> , <b>2012</b> , 1, 25-41	17.1	59
6	Silver nanovoid arrays for surface-enhanced Raman scattering. <i>Langmuir</i> , <b>2012</b> , 28, 8799-803	4	20
5	Tunable Silver Nanocap Superlattice Arrays for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 24328-24333	3.8	25
4	Recent developments in optofluidic-surface-enhanced Raman scattering systems: Design, assembly, and advantages. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 170-185	2.5	22
3	Active Plasmonics in Kirigami Configurations Toward High-Performance Smart Windows. <i>SSRN Electronic Journal</i> ,	1	2
2	Atomic Heterointerface Boosts the Catalytic Activity toward Oxygen Reduction/Evolution Reaction. <i>Advanced Energy Materials</i> , 2102235	21.8	1
1	Perovskite Origami for Programmable Microtube Lasing. <i>Advanced Functional Materials</i> , 2109080	15.6	2