

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.

44 papers	1,000 citations	17 h-index	31 g-index
46 ext. papers	1,285 ext. citations	7.3 avg, IF	4.54 L-index

#	Paper	IF	Citations
44	Manipulating Hot-Electron Injection in Metal Oxide Heterojunction Array for Ultrasensitive Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51618-51627	9.5	3
43	The origin of ultrasensitive SERS sensing beyond plasmonics. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	17
42	Role of dispersion relation effect in topological surface-enhanced Raman scattering. <i>Cell Reports Physical Science</i> , 2021 , 2, 100488	6.1	3
41	Single-molecule surface-enhanced Raman spectroscopy (SM-SERS): characteristics and spectral information. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021 , 70, 137401-137401	0.6	0
40	Origin of layer-dependent SERS tunability in 2D transition metal dichalcogenides. <i>Nanoscale Horizons</i> , 2021 , 6, 186-191	10.8	9
39	Hotspots on the Move: Active Molecular Enrichment by Hierarchically Structured Micromotors for Ultrasensitive SERS Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28783-28791	9.5	20
38	Improving the performance of light-emitting diodes via plasmonic-based strategies. <i>Journal of Applied Physics</i> , 2020 , 127, 040901	2.5	17
37	Antifreezing Hydrogel with High Zinc Reversibility for Flexible and Durable Aqueous Batteries by Cooperative Hydrated Cations. <i>Advanced Functional Materials</i> , 2020 , 30, 1907218	15.6	114
36	Plasmonic metal carbide SERS chips. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14523-14530	7.1	6
35	Flexible Surface-Enhanced Raman Scattering Chip: A Universal Platform for Real-Time Interfacial Molecular Analysis with Femtomolar Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	17
34	Surface-Enhanced Raman Scattering Monitoring of Oxidation States in Defect-Engineered Two-Dimensional Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7981-7987	6.4	8
33	Selective Out-of-Plane Optical Coupling between Vertical and Planar Microrings in a 3D Configuration. <i>Advanced Optical Materials</i> , 2020 , 8, 2000782	8.1	0
32	Alloy Engineering in Few-Layer Manganese Phosphorus Trichalcogenides for Surface-Enhanced Raman Scattering. <i>Advanced Functional Materials</i> , 2020 , 30, 1910171	15.6	25
31	Deterministic Yet Flexible Directional Light Emission from Spiral Nanomembrane Cavities. <i>ACS Photonics</i> , 2019 , 6, 2537-2544	6.3	10
30	Simulation and synthesis of EMoCl_3 nanosheets on substrates by short time chemical vapor transport. <i>Nano Structures Nano Objects</i> , 2019 , 19, 100324	5.6	7
29	Graphene-Activated Optoplasmonic Nanomembrane Cavities for Photodegradation Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15891-15897	9.5	25
28	High SERS Sensitivity Enabled by Synergistically Enhanced Photoinduced Charge Transfer in Amorphous Nonstoichiometric Semiconducting Films. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901133	4.6	22

27	Layered HfCl_3 : Microsheets on YSZ Substrates for Ethylene Polymerization with Enhanced Activity. <i>Chemistry of Materials</i> , 2019 , 31, 5305-5313	9.6	3
26	Chromium Trihalides CrX_3 (X = Cl, Br, I): Direct Deposition of Micro- and Nanosheets on Substrates by Chemical Vapor Transport. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901410	4.6	23
25	Surface-Enhanced Raman Scattering Enabled by Metal-Coated Dielectric Microspheres. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1800379	1.3	5
24	External Strain Enabled Post-Modification of Nanomembrane-Based Optical Microtube Cavities. <i>ACS Photonics</i> , 2018 , 5, 2060-2067	6.3	11
23	In Situ Generation of Plasmonic Nanoparticles for Manipulating Photon-Plasmon Coupling in Microtube Cavities. <i>ACS Nano</i> , 2018 , 12, 3726-3732	16.7	15
22	VO ₂ /TiN Plasmonic Thermochromic Smart Coatings for Room-Temperature Applications. <i>Advanced Materials</i> , 2018 , 30, 1705421	24	131
21	Boosting the Photoluminescence of Monolayer MoS ₂ on High-Density Nanodimer Arrays with Sub-10 nm Gap. <i>Advanced Optical Materials</i> , 2018 , 6, 1700984	8.1	58
20	Strong Coupling in a Photonic Molecule Formed by Trapping a Microsphere in a Microtube Cavity. <i>Advanced Optical Materials</i> , 2018 , 6, 1700842	8.1	16
19	Curved Nanomembrane-Based Concentric Ring Cavities for Supermode Hybridization. <i>Nano Letters</i> , 2018 , 18, 7261-7267	11.5	10
18	An antibacterial platform based on capacitive carbon-doped TiO ₂ nanotubes after direct or alternating current charging. <i>Nature Communications</i> , 2018 , 9, 2055	17.4	99
17	Facile design of ultra-thin anodic aluminum oxide membranes for the fabrication of plasmonic nanoarrays. <i>Nanotechnology</i> , 2017 , 28, 105301	3.4	47
16	Controlled Patterning of Plasmonic Dimers by Using an Ultrathin Nanoporous Alumina Membrane as a Shadow Mask. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36199-36205	9.5	39
15	Self-assembled bundled TiO ₂ nanowire arrays encapsulated with indium tin oxide for broadband absorption in plasmonic photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27059-27064	3.6	3
14	Assembly of gold nanoparticles into aluminum nanobowl array. <i>Scientific Reports</i> , 2017 , 7, 2322	4.9	28
13	Extracellular Electron Transfer from Aerobic Bacteria to Au-Loaded TiO ₂ Semiconductor without Light: A New Bacteria-Killing Mechanism Other than Localized Surface Plasmon Resonance or Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24509-16	9.5	45
12	Exploring indium tin oxide capped titanium dioxide nanolace arrays for plasmonic photocatalysis. <i>RSC Advances</i> , 2016 , 6, 12611-12615	3.7	3
11	Unusual anti-bacterial behavior and corrosion resistance of magnesium alloy coated with diamond-like carbon. <i>RSC Advances</i> , 2016 , 6, 14756-14762	3.7	8
10	Controlled Assembly of Plasmonic Nanostructures Templated by Porous Anodic Alumina Membranes. <i>International Journal of Behavioral and Consultation Therapy</i> , 2016 , 249-274	0.6	1

9	Plasmon-phonon coupling in monolayer WS ₂ . <i>Applied Physics Letters</i> , 2016 , 108, 131903	3.4	19
8	Aluminum plasmonic photocatalysis. <i>Scientific Reports</i> , 2015 , 5, 15288	4.9	47
7	Facile synthesis of gold-capped TiO ₂ nanocomposites for surface-enhanced Raman scattering. <i>Materials Chemistry and Physics</i> , 2015 , 153, 88-92	4.4	4
6	Plasmon-induced broadband fluorescence enhancement on Al-Ag bimetallic substrates. <i>Scientific Reports</i> , 2014 , 4, 6014	4.9	16
5	Tunable fluorescence from patterned silver nano-island arrays for sensitive sub-cell imaging. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 495302	3	7
4	Surface and interference co-enhanced Raman scattering from indium tin oxide nanocap arrays. <i>Applied Surface Science</i> , 2013 , 280, 343-348	6.7	7
3	Surface-enhanced cellular fluorescence imaging. <i>Progress in Surface Science</i> , 2012 , 87, 23-45	6.6	25
2	Silver nanovoid arrays for surface-enhanced Raman scattering. <i>Langmuir</i> , 2012 , 28, 8799-803	4	20
1	Mixed-dimensional van der Waals heterojunction-enhanced Raman scattering. <i>Nano Research</i> , 2011 , 4, 1055-1060	10	5