

Lihua Qian

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.

35 papers	1,347 citations	19 h-index	36 g-index
39 ext. papers	1,514 ext. citations	7.5 avg, IF	4.44 L-index

#	Paper	IF	Citations
35	Active and selective CO ₂ electroreduction on a hierarchically nanoporous Au-Ag shell. <i>Chemical Physics Letters</i> , 2020 , 753, 137563	2.5	4
34	Conformal Shell Amorphization of Nanoporous Ag-Bi for Efficient Formate Generation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31319-31326	9.5	7
33	Nanoporous Au-Sn with solute strain for simultaneously enhanced selectivity and durability during electrochemical CO ₂ reduction. <i>Journal of Materials Science and Technology</i> , 2020 , 43, 154-160	9.1	8
32	Broadband unidirectional scattering in visible ranges and controllable hot-spot spatial transfer via a single nanoparticle. <i>Applied Surface Science</i> , 2020 , 528, 146489	6.7	3
31	Electrochemical Fabrication and Reactivation of Nanoporous Gold with Abundant Surface Steps for CO ₂ Reduction. <i>ACS Catalysis</i> , 2020 , 10, 8860-8869	13.1	20
30	An ultranarrow SPR linewidth in the UV region for plasmonic sensing. <i>Nanoscale</i> , 2019 , 11, 4061-4066	7.7	20
29	Electrochemical training of nanoporous Cu-In catalysts for efficient CO ₂ -to-CO conversion and high durability. <i>Electrochimica Acta</i> , 2019 , 295, 584-590	6.7	16
28	Controllable defects implantation in MoS ₂ grown by chemical vapor deposition for photoluminescence enhancement. <i>Nano Research</i> , 2018 , 11, 4123-4132	10	32
27	Spatially-Controllable Hot Spots for Plasmon-Enhanced Second-Harmonic Generation in AgNP-ZnO Nanocavity Arrays. <i>Nanomaterials</i> , 2018 , 8,	5.4	1
26	Nanoporous Au-Ag shell with fast kinetics: integrating chemical and plasmonic catalysis. <i>Nanotechnology</i> , 2017 , 28, 425704	3.4	3
25	Surface-Atom Dependence of ZnO-Supported Ag@Pd Core@Shell Nanocatalysts in CO ₂ Hydrogenation to CH ₃ OH. <i>ChemCatChem</i> , 2017 , 9, 924-928	5.2	20
24	Hierarchically porous Co ₃ O ₄ /C nanowire arrays derived from a metal-organic framework for high performance supercapacitors and the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16516-16523	13	144
23	Ultrasensitive strain gauge with tunable temperature coefficient of resistivity. <i>Nano Research</i> , 2016 , 9, 1346-1357	10	14
22	How To Light Special Hot Spots in Multiparticle-Film Configurations. <i>ACS Nano</i> , 2016 , 10, 581-7	16.7	61
21	Topography-specific isotropic tunneling in nanoparticle monolayer with sub-nm scale crevices. <i>Nanotechnology</i> , 2016 , 27, 405701	3.4	3
20	Electrochemical Biosensor Based on Nanoporous Au/CoO Core-Shell Material with Synergistic Catalysis. <i>ChemPhysChem</i> , 2016 , 17, 98-104	3.2	13
19	Planar integration of flexible micro-supercapacitors with ultrafast charge and discharge based on interdigital nanoporous gold electrodes on a chip. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9502-9510	13	51

18	Hierarchical porous Ni/NiO core/shells with superior conductivity for electrochemical pseudo-capacitors and glucose sensors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10519-10525	13	106
17	Nanoparticle monolayer-based flexible strain gauge with ultrafast dynamic response for acoustic vibration detection. <i>Nano Research</i> , 2015 , 8, 2978-2987	10	58
16	Tuning the morphology and composition of ultrathin cobalt oxide films via atomic layer deposition. <i>RSC Advances</i> , 2015 , 5, 71816-71823	3.7	22
15	Plasmon-enhanced fluorescence of PbS quantum dots for remote near-infrared imaging. <i>Chemical Communications</i> , 2015 , 51, 141-4	5.8	32
14	Hierarchical nanoporous gold-platinum with heterogeneous interfaces for methanol electrooxidation. <i>Scientific Reports</i> , 2014 , 4, 4370	4.9	54
13	Facile Synthesis of 3D MnO ₂ /Graphene and Carbon Nanotube/Graphene Composite Networks for High-Performance, Flexible, All-Solid-State Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2014 , 4, 1400064	21.8	330
12	Tunable plasmon modes in single silver nanowire optical antennas characterized by far-field microscope polarization spectroscopy. <i>Nanoscale</i> , 2014 , 6, 9192-7	7.7	15
11	Photovoltaic properties of Pt/BiFeO ₃ thin film/fluorine-doped tin oxide capacitor. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 74-79	2.3	6
10	Closely packed nanoparticle monolayer as a strain gauge fabricated by convective assembly at a confined angle. <i>Nano Research</i> , 2014 , 7, 824-834	10	19
9	Electrical conduction of nanoparticle monolayer for accurate tracking of mechanical stimulus in finger touch sensing. <i>Nanoscale</i> , 2014 , 6, 13809-16	7.7	12
8	Fabrication of Large-Area, High-Enhancement SERS Substrates with Tunable Interparticle Spacing and Application in Identifying Microorganisms at the Single Cell Level. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3320-3328	3.8	28
7	Nanoscale convection assisted self-assembly of nanoparticle monolayer. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4932		10
6	Localized surface plasmon resonance of nanoporous gold. <i>Applied Physics Letters</i> , 2011 , 98, 093701	3.4	117
5	Widely tuning optical properties of nanoporous gold-titania core-shells. <i>Journal of Chemical Physics</i> , 2011 , 134, 014707	3.9	11
4	Convective assembly of linear gold nanoparticle arrays at the micron scale for surface enhanced Raman scattering. <i>Nano Research</i> , 2011 , 4, 1117-1128	10	33
3	Giant Raman enhancement on nanoporous gold film by conjugating with nanoparticles for single-molecule detection. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6891		44
2	Nanoporous gold-alumina core-shell films with tunable optical properties. <i>Nanotechnology</i> , 2010 , 21, 305705	3.4	23
1	Revealing the Competition between Defect-Trapped Exciton and Band-Edge Exciton Photoluminescence in Monolayer Hexagonal WS ₂ . <i>Advanced Optical Materials</i> , 2010 , 2101971	8.1	1

