

Lihua Qian

List of Publications by Year in descending order

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39
papers

1,670
citations

393982

19
h-index

301761

39
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all docs

39
docs citations

39
times ranked

3349
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	10.2	360
2	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.	5.2	188
3	Localized surface plasmon resonance of nanoporous gold. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	135
4	Hierarchical porous Ni/NiO core-shell with superior conductivity for electrochemical pseudo-capacitors and glucose sensors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10519-10525.	5.2	123
5	How To Light Special Hot Spots in Multiparticle-Film Configurations. <i>ACS Nano</i> , 2016, 10, 581-587.	7.3	79
6	Nanoparticle monolayer-based flexible strain gauge with ultrafast dynamic response for acoustic vibration detection. <i>Nano Research</i> , 2015, 8, 2978-2987.	5.8	68
7	Hierarchical Nanoporous Gold-Platinum with Heterogeneous Interfaces for Methanol Electrooxidation. <i>Scientific Reports</i> , 2014, 4, 4370.	1.6	63
8	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.	5.2	61
9	Controllable defects implantation in MoS ₂ grown by chemical vapor deposition for photoluminescence enhancement. <i>Nano Research</i> , 2018, 11, 4123-4132.	5.8	55
10	Giant Raman enhancement on nanoporous gold film by conjugating with nanoparticles for single-molecule detection. <i>Journal of Materials Chemistry</i> , 2010, 20, 6891.	6.7	46
11	Plasmon-enhanced fluorescence of PbS quantum dots for remote near-infrared imaging. <i>Chemical Communications</i> , 2015, 51, 141-144.	2.2	40
12	An ultranarrow SPR linewidth in the UV region for plasmonic sensing. <i>Nanoscale</i> , 2019, 11, 4061-4066.	2.8	38
13	Electrochemical Fabrication and Reactivation of Nanoporous Gold with Abundant Surface Steps for CO ₂ Reduction. <i>ACS Catalysis</i> , 2020, 10, 8860-8869.	5.5	36
14	Convective assembly of linear gold nanoparticle arrays at the micron scale for surface enhanced Raman scattering. <i>Nano Research</i> , 2011, 4, 1117-1128.	5.8	35
15	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.	1.8	30
16	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.	1.5	29
17	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.	2.6	24
18	Nanoporous gold-alumina core-shell films with tunable optical properties. <i>Nanotechnology</i> , 2010, 21, 305705.	1.3	23

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19	Tuning the morphology and composition of ultrathin cobalt oxide films via atomic layer deposition. RSC Advances, 2015, 5, 71816-71823.	1.7	23
20	Closely packed nanoparticle monolayer as a strain gauge fabricated by convective assembly at a confined angle. Nano Research, 2014, 7, 824-834.	5.8	19
21	Tunable plasmon modes in single silver nanowire optical antennas characterized by far-field microscope polarization spectroscopy. Nanoscale, 2014, 6, 9192-9197.	2.8	18
22	Ultrasensitive strain gauge with tunable temperature coefficient of resistivity. Nano Research, 2016, 9, 1346-1357.	5.8	18
23	Electrical conduction of nanoparticle monolayer for accurate tracking of mechanical stimulus in finger touch sensing. Nanoscale, 2014, 6, 13809-13816.	2.8	16
24	Surface restructuring in AgCu single-atom alloy catalyst and self-enhanced selectivity toward CO ₂ reduction. Electrochimica Acta, 2022, 426, 140774.	2.6	16
25	Electrochemical Biosensor Based on Nanoporous Au/CoO Core-Shell Material with Synergistic Catalysis. ChemPhysChem, 2016, 17, 98-104.	1.0	15
26	Conformal Shell Amorphization of Nanoporous Ag-Bi for Efficient Formate Generation. ACS Applied Materials & Interfaces, 2020, 12, 31319-31326.	4.0	15
27	Widely tuning optical properties of nanoporous gold-titania core-shells. Journal of Chemical Physics, 2011, 134, 014707.	1.2	13
28	Nanoporous Au-Sn with solute strain for simultaneously enhanced selectivity and durability during electrochemical CO ₂ reduction. Journal of Materials Science and Technology, 2020, 43, 154-160.	5.6	13
29	Nanoscale convection assisted self-assembly of nanoparticle monolayer. Journal of Materials Chemistry, 2012, 22, 4932.	6.7	12
30	Broadband unidirectional scattering in visible ranges and controllable hot-spot spatial transfer via a single nanoparticle. Applied Surface Science, 2020, 528, 146489.	3.1	10
31	Identification of twist-angle-dependent excitons in WS ₂ /WSe ₂ heterobilayers. National Science Review, 2022, 9, .	4.6	9
32	Active and selective CO ₂ electroreduction on a hierarchically nanoporous Au-Ag shell. Chemical Physics Letters, 2020, 753, 137563.	1.2	8
33	Revealing the Competition between Defect-Trapped Exciton and Band-Edge Exciton Photoluminescence in Monolayer Hexagonal WS ₂ . Advanced Optical Materials, 2022, 10, .	3.6	8
34	Photovoltaic properties of Pt/BiFeO ₃ thin film/fluorine-doped tin oxide capacitor. Journal of Sol-Gel Science and Technology, 2014, 72, 74-79.	1.1	6
35	Nanoporous Au-Ag shell with fast kinetics: integrating chemical and plasmonic catalysis. Nanotechnology, 2017, 28, 425704.	1.3	4
36	Spatially-Controllable Hot Spots for Plasmon-Enhanced Second-Harmonic Generation in AgNP-ZnO Nanocavity Arrays. Nanomaterials, 2018, 8, 1012.	1.9	4

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37	Self-Supported Nanoporous Gold with Gradient Tin Oxide for Sustainable and Efficient Hydrogen Evolution in Neutral Media. <i>Journal of Renewable Materials</i> , 2020, 8, 133-151.	1.1	4
38	Topography-specific isotropic tunneling in nanoparticle monolayer with sub-nm scale crevices. <i>Nanotechnology</i> , 2016, 27, 405701.	1.3	3
39	Statistical Strategy for Quantitative Evaluation of Plasmon-Enhanced Spectroscopy. <i>ACS Photonics</i> , 2022, 9, 1733-1740.	3.2	3