

# Shaoqin Liu

## List of Publications by Year in descending order

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67  
papers

4,636  
citations

87888

38  
h-index

102487

66  
g-index

67  
all docs

67  
docs citations

67  
times ranked

6834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional graphene/Pt nanoparticle composites as freestanding anode for enhancing performance of microbial fuel cells. <i>Science Advances</i> , 2015, 1, e1500372.	10.3	209
2	Nanoparticle assemblies for biological and chemical sensing. <i>Journal of Materials Chemistry</i> , 2010, 20, 24-35.	6.7	193
3	Highly-sensitive organophosphorous pesticide biosensors based on nanostructured films of acetylcholinesterase and CdTe quantum dots. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3081-3085.	10.1	191
4	Self-Assembly of Chiral Gold Clusters into Crystalline Nanocubes of Exceptional Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15397-15401.	13.8	185
5	Cs <sub>x</sub> WO <sub>3</sub> Nanorods Coated with Polyelectrolyte Multilayers as a Multifunctional Nanomaterial for Bimodal Imaging-Guided Photothermal/Photodynamic Cancer Treatment. <i>Advanced Materials</i> , 2017, 29, 1604157.	21.0	178
6	Reversible Photoswitchable Fluorescence in Thin Films of Inorganic Nanoparticle and Polyoxometalate Assemblies. <i>Journal of the American Chemical Society</i> , 2010, 132, 2886-2888.	13.7	171
7	Electrochemical Reduction of CO <sub>2</sub> over Heterogeneous Catalysts in Aqueous Solution: Recent Progress and Perspectives. <i>Small Methods</i> , 2019, 3, 1800369.	8.6	168
8	Highly Efficient, Near-Infrared and Visible Light Modulated Electrochromic Devices Based on Polyoxometalates and W <sub>18</sub> O <sub>49</sub> Nanowires. <i>ACS Nano</i> , 2018, 12, 559-567.	14.6	162
9	Non-stoichiometric MoO <sub>3-x</sub> quantum dots as a light-harvesting material for interfacial water evaporation. <i>Chemical Communications</i> , 2017, 53, 6744-6747.	4.1	153
10	Cs <sub>x</sub> WO <sub>3</sub> nanorods: Realization of full-spectrum-responsive photocatalytic activities from UV, visible to near-infrared region. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 142-148.	20.2	147
11	Organized Nanostructured Complexes of Polyoxometalates and Surfactants that Exhibit Photoluminescence and Electrochromism. <i>Advanced Functional Materials</i> , 2009, 19, 642-652.	14.9	141
12	FeS <sub>2</sub> Nanoparticles Decorated Graphene as Microbial Fuel Cell Anode Achieving High Power Density. <i>Advanced Materials</i> , 2018, 30, e1800618.	21.0	133
13	MoO <sub>3-x</sub> quantum dots for photoacoustic imaging guided photothermal/photodynamic cancer treatment. <i>Nanoscale</i> , 2017, 9, 2020-2029.	5.6	131
14	TiO <sub>2</sub> Based Nanoplatfom for Bimodal Cancer Imaging and NIR-Triggered Chem/Photodynamic/Photothermal Combination Therapy. <i>Chemistry of Materials</i> , 2017, 29, 9262-9274.	6.7	130
15	Applications of Nanomaterials in Asymmetric Photocatalysis: Recent Progress, Challenges, and Opportunities. <i>Advanced Materials</i> , 2021, 33, e2001731.	21.0	108
16	Highly efficient ablation of metastatic breast cancer using ammonium-tungsten-bronze nanocube as a novel 1064-nm-laser-driven photothermal agent. <i>Biomaterials</i> , 2015, 52, 407-416.	11.4	107
17	Advances in pesticide biosensors: current status, challenges, and future perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 63-90.	3.7	100
18	Polyoxometalate-Based Organic-Inorganic Hybrids as Antitumor Drugs. <i>Small</i> , 2015, 11, 2938-2945.	10.0	100

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19	Bread-derived 3D macroporous carbon foams as high performance free-standing anode in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2018, 122, 217-223.	10.1	91
20	The Density of Surface Coating Can Contribute to Different Antibacterial Activities of Gold Nanoparticles. <i>Nano Letters</i> , 2020, 20, 5036-5042.	9.1	90
21	Detection of mixed organophosphorus pesticides in real samples using quantum dots/bi-enzyme assembly multilayers. <i>Journal of Materials Chemistry</i> , 2011, 21, 16955.	6.7	87
22	WO <sub>3</sub> sensitized TiO <sub>2</sub> spheres with full-spectrum-driven photocatalytic activities from UV to near infrared. <i>Nanoscale</i> , 2016, 8, 17828-17835.	5.6	82
23	Nanostructured photoelectrochemical biosensor for highly sensitive detection of organophosphorous pesticides. <i>Biosensors and Bioelectronics</i> , 2015, 64, 1-5.	10.1	78
24	Target Delivery of a Novel Antitumor Organoplatinum(IV) Substituted Polyoxometalate Complex for Safer and More Effective Colorectal Cancer Therapy In Vivo. <i>Advanced Materials</i> , 2016, 28, 7397-7404.	21.0	76
25	Absorption and electrochromic modulation of near-infrared light: realized by tungsten suboxide. <i>Nanoscale</i> , 2016, 8, 9861-9868.	5.6	74
26	Multifunctional Theranostic Agent of Cu <sub>2</sub> (OH)PO <sub>4</sub> Quantum Dots for Photoacoustic Image-Guided Photothermal/Photodynamic Combination Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9348-9358.	8.0	72
27	Multistate electrically controlled photoluminescence switching. <i>Chemical Science</i> , 2013, 4, 4371.	7.4	67
28	Nanomaterials Facilitating Microbial Extracellular Electron Transfer at Interfaces. <i>Advanced Materials</i> , 2021, 33, e2004051.	21.0	60
29	Ti <sub>3</sub> C <sub>2</sub> MXene as an excellent anode material for high-performance microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20887-20895.	10.3	58
30	Multifunctional Bismuth Nanoparticles as Theranostic Agent for PA/CT Imaging and NIR Laser-Driven Photothermal Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 820-830.	5.0	57
31	Core-corona Co/CoP clusters strung on carbon nanotubes as a Schottky catalyst for glucose oxidation assisted H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10893-10908.	10.3	56
32	MoS <sub>2</sub> -Based multipurpose theranostic nanoplatfrom: realizing dual-imaging-guided combination phototherapy to eliminate solid tumor <i>via</i> a liquefaction necrosis process. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9015-9024.	5.8	54
33	Strategies to Construct a Chemical-Driven Self-Assembly. <i>ChemSystemsChem</i> , 2020, 2, e1900046.	2.6	50
34	Tuning the electronic structure of PtRu bimetallic nanoparticles for promoting the hydrogen oxidation reaction in alkaline media. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2900-2905.	6.0	46
35	Coaxial NiS@N-Doped Carbon Nanofibers Derived Hierarchical Electrodes for Efficient H <sub>2</sub> Production <i>via</i> Urea Electrolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3937-3948.	8.0	45
36	An Intelligent Graphene-Based Biosensing Device for Cytokine Storm Syndrome Biomarkers Detection in Human Biofluids. <i>Small</i> , 2021, 17, e2101508.	10.0	44

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37	Self-Assembly of Chiral Gold Clusters into Crystalline Nanocubes of Exceptional Optical Activity. <i>Angewandte Chemie</i> , 2017, 129, 15599-15603.	2.0	43
38	Cerium-Based Metal-Organic Frameworks with UiO Architecture for Visible Light-Induced Aerobic Oxidation of Benzyl Alcohol. <i>Solar Rrl</i> , 2020, 4, 1900449.	5.8	43
39	Three-dimensional high performance free-standing anode by one-step carbonization of pinecone in microbial fuel cells. <i>Bioresource Technology</i> , 2019, 292, 121956.	9.6	41
40	Organoplatinum-Substituted Polyoxometalate Inhibits $\beta$ -Amyloid Aggregation for Alzheimer's Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18032-18039.	13.8	40
41	Modulating the Linker Immobilization Density on Aptameric Graphene Field Effect Transistors Using an Electric Field. <i>ACS Sensors</i> , 2020, 5, 2503-2513.	7.8	40
42	Selective capture and rapid identification of E. coli O157:H7 by carbon nanotube multilayer biosensors and microfluidic chip-based LAMP. <i>RSC Advances</i> , 2017, 7, 30446-30452.	3.6	39
43	Construction of carbon nanotube based nanoarchitectures for selective impedimetric detection of cancer cells in whole blood. <i>Analyst, The</i> , 2014, 139, 5086-5092.	3.5	38
44	Mercaptophenylboronic Acid-Activated Gold Nanoparticles as Nanoantibiotics against Multidrug-Resistant Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51148-51159.	8.0	38
45	Electrochemical biosensor for cancer cell detection based on a surface 3D micro-array. <i>Lab on A Chip</i> , 2018, 18, 335-342.	6.0	37
46	Bimetallic nanoparticles against multi-drug resistant bacteria. <i>Chemical Communications</i> , 2020, 56, 10918-10921.	4.1	32
47	Mechanically Robust, Self-Healing, Polymer Blends and Polymer/Small Molecule Blend Materials with High Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26966-26972.	8.0	29
48	Small molecule-decorated gold nanoparticles for preparing antibiofilm fabrics. <i>Nanoscale Advances</i> , 2020, 2, 2293-2302.	4.6	28
49	Fabrication of nitrogen defect mediated direct Z scheme g-C <sub>3</sub> N <sub>x</sub> /Bi <sub>2</sub> WO <sub>6</sub> hybrid with enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 177-185.	9.4	27
50	Recent progress in the design of analytical methods based on nanozymes. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8174-8184.	5.8	27
51	Oral Administration of Starting Materials for <i>In Vivo</i> Synthesis of Antibacterial Gold Nanoparticles for Curing Remote Infections. <i>Nano Letters</i> , 2021, 21, 1124-1131.	9.1	27
52	Effective near-infrared absorbent: ammonium tungsten bronze nanocubes. <i>RSC Advances</i> , 2015, 5, 967-973.	3.6	25
53	Single site catalyst with enzyme-mimic micro-environment for electroreduction of CO <sub>2</sub> . <i>Nano Research</i> , 2022, 15, 1817-1823.	10.4	22
54	Simple and sensitive colorimetric detection of a trace amount of 2,4,6-trinitrotoluene (TNT) with QD multilayer-modified microchannel assays. <i>Materials Chemistry Frontiers</i> , 2019, 3, 193-198.	5.9	21

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55	Fabrication of AgBr nanomaterials as excellent antibacterial agents. RSC Advances, 2015, 5, 72872-72880.	3.6	19
56	The non-equilibrium self-assembly of amphiphilic block copolymers driven by a pH oscillator. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 808-814.	4.7	19
57	Fuel-Driven Dissipative Self-Assembly of a Supra-Amphiphile in Batch Reactor. Biomacromolecules, 2018, 19, 2542-2548.	5.4	19
58	Dual enzyme-like activity of iridium nanoparticles and their applications for the detection of glucose and glutathione. RSC Advances, 2020, 10, 25209-25213.	3.6	18
59	Urchin-like tungsten suboxide for photoacoustic imaging-guided photothermal and photodynamic cancer combination therapy. New Journal of Chemistry, 2017, 41, 14179-14187.	2.8	17
60	Organoplatinum-Substituted Polyoxometalate Inhibits $\beta$ -Amyloid Aggregation for Alzheimer's Therapy. Angewandte Chemie, 2019, 131, 18200-18207.	2.0	12
61	Targeting the innate immune system with nanoparticles for cancer immunotherapy. Journal of Materials Chemistry B, 2022, 10, 1709-1733.	5.8	12
62	Introduction to Biosensors. Journal of Materials Chemistry B, 2020, 8, 3168-3170.	5.8	11
63	Evaluation of the <i>in vivo</i> behavior of antibacterial gold nanoparticles for potential biomedical applications. Journal of Materials Chemistry B, 2021, 9, 3025-3031.	5.8	7
64	Dissipative self-assembly of a dual-responsive block copolymer driven by a chemical oscillator. Journal of Colloid and Interface Science, 2022, 615, 732-739.	9.4	7
65	Fabrication of CdS-Coated ZnO Nanorods Arrays for Photoelectrocatalytic Degradation of Phenol. Journal of Nanoscience and Nanotechnology, 2016, 16, 8308-8314.	0.9	2
66	Ultrasensitive Graphene-Based Nanobiosensor for Rapid Detection of Hemoglobin in Undiluted Biofluids. ACS Applied Bio Materials, 2022, 5, 1624-1632.	4.6	2
67	Multidisciplinary Materials Research at Harbin Institute of Technology. Advanced Materials, 2021, 33, e2007472.	21.0	0