

# Jun Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,242  
citations

218677

26  
h-index

214800

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold-Modified Mo <sub>2</sub> C Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes for Electrochemical Nitrogen Fixation. ACS Applied Nano Materials, 2022, 5, 7382-7391.	5.0	3
2	Stability evolution of ultrafine Ag nanoparticles prepared by laser ablation in liquids. Journal of Colloid and Interface Science, 2021, 585, 444-451.	9.4	15
3	Defect-Modified Ultrathin BiOX (X = Cl, Br) Nanosheets Via a Top-Down Approach with Effective Visible-Light Photocatalytic Degradation. Journal of Physical Chemistry C, 2021, 125, 18630-18639.	3.1	15
4	Two-Dimensional IV Monolayers with Highly Anisotropic Carrier Mobility and Electric Transport Properties. Journal of Physical Chemistry Letters, 2021, 12, 1058-1065.	4.6	23
5	Encapsulation of Co-based nanoparticle in N-doped graphitic carbon for efficient oxygen reduction reaction. Carbon, 2020, 156, 31-37.	10.3	27
6	Laser-synthesized graphite carbon encased gold nanoparticles with specific reaction channels for efficient oxygen reduction. Journal of Colloid and Interface Science, 2020, 563, 74-80.	9.4	10
7	Ultrafine copper nanoparticles anchored on reduced graphene oxide present excellent catalytic performance toward 4-nitrophenol reduction. Journal of Colloid and Interface Science, 2020, 566, 265-270.	9.4	42
8	Laser ablation in liquids for the assembly of Se@Au chain-oligomers with long-term stability for photothermal inhibition of tumor cells. Journal of Colloid and Interface Science, 2020, 566, 284-295.	9.4	19
9	Oxygen Defects Induce Strongly Coupled Pt/Metal Oxides/rGO Nanocomposites for Methanol Oxidation Reaction. ACS Applied Energy Materials, 2019, 2, 5577-5583.	5.1	26
10	Paramagnetic CuS hollow nanoflowers for T <sub>2</sub> -FLAIR magnetic resonance imaging-guided thermochemotherapy of cancer. Biomaterials Science, 2019, 7, 409-418.	5.4	23
11	S,N dual-doped carbon nanotubes as substrate to enhance the methanol oxidation performance of NiO nanoparticles. Carbon, 2019, 152, 114-119.	10.3	29
12	Construction of PdO/Pd interfaces assisted by laser irradiation for enhanced electrocatalytic N <sub>2</sub> reduction reaction. Journal of Materials Chemistry A, 2019, 7, 12627-12634.	10.3	86
13	Construction of Pd/BiOCl Catalyst for Highly Selective Synthesis of Benzoin Ethyl Ether by Chlorine Promoted Coupling Reaction. ChemCatChem, 2019, 11, 2676-2682.	3.7	4
14	Carbon-Encapsulated Metal/Metal Carbide/Metal Oxide Core-Shell Nanostructures Generated by Laser Ablation of Metals in Organic Solvents. ACS Applied Nano Materials, 2019, 2, 28-39.	5.0	86
15	Pressure induced semiconductor-metallic transition of selenium nanoribbons generated by laser ablation in liquids. Applied Surface Science, 2019, 473, 564-570.	6.1	15
16	In-situ reactive loading of platinum onto tin oxide nanocrystals with superior catalytic performance for hydrogenation of 4-nitrophenol. Applied Surface Science, 2019, 471, 469-474.	6.1	12
17	Solvent molecules dominated phase transition of amorphous Se colloids probed by in-situ Raman spectroscopy. Applied Surface Science, 2019, 466, 1000-1006.	6.1	5
18	Strong Fe <sup>3+</sup> -O(H)-Pt Interfacial Interaction Induced Excellent Stability of Pt/NiFe-LDH/rGO Electrocatalysts. Scientific Reports, 2018, 8, 1359.	3.3	26

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19	Pure Ni nanocrystallines anchored on rGO present ultrahigh electrocatalytic activity and stability in methanol oxidation. <i>Chemical Communications</i> , 2018, 54, 1563-1566.	4.1	60
20	Fe <sup>2+</sup> /N-Doped Mesoporous Carbon with Dual Active Sites Loaded on Reduced Graphene Oxides for Efficient Oxygen Reduction Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2423-2429.	8.0	95
21	Ultrafine nanoparticles conglomerated $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanospheres with excellent gas-sensing performance to ethanol molecules. <i>Materials Letters</i> , 2018, 211, 239-242.	2.6	11
22	Highly dispersed Au nanoparticles decorated WO <sub>3</sub> nanoplatelets: Laser-assisted synthesis and superior performance for detecting ethanol vapor. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 165-171.	9.4	20
23	Bi SPR-Promoted Z-Scheme Bi <sub>2</sub> MoO <sub>6</sub> /CdS-Diethylenetriamine Composite with Effectively Enhanced Visible Light Photocatalytic Hydrogen Evolution Activity and Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 696-706.	6.7	240
24	Laser-irradiation-induced Melting and Reduction Reaction for the Formation of Pt-Based Bimetallic Alloy Particles in Liquids. <i>ChemPhysChem</i> , 2017, 18, 1133-1139.	2.1	17
25	Recent Advances in Surfactant-free, Surface-charged, and Defect-rich Catalysts Developed by Laser Ablation and Processing in Liquids. <i>ChemNanoMat</i> , 2017, 3, 512-533.	2.8	103
26	Facet-Dependent Selective Adsorption of Mn-Doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanocrystals toward Heavy-Metal Ions. <i>Chemistry of Materials</i> , 2017, 29, 10198-10205.	6.7	82
27	Ni <sup>3+</sup> doped cobalt-nickel layered double hydroxides as high-performance electrode materials for supercapacitors. <i>RSC Advances</i> , 2017, 7, 49010-49014.	3.6	34
28	Simultaneous Cu doping and growth of TiO <sub>2</sub> nanocrystalline array film as a glucose biosensor. <i>RSC Advances</i> , 2016, 6, 78219-78224.	3.6	4
29	Understanding the Solvent Molecules Induced Spontaneous Growth of Uncapped Tellurium Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 32631.	3.3	31
30	Laser irradiation-induced Au-ZnO nanospheres with enhanced sensitivity and stability for ethanol sensing. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22503-22508.	2.8	24
31	Photo-excited in situ loading of Pt clusters onto rGO immobilized SnO <sub>2</sub> with excellent catalytic performance toward methanol oxidation. <i>Nano Energy</i> , 2016, 26, 699-707.	16.0	48
32	Coexistence of resistance switching and negative differential resistance in the $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanorod film. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17440-17445.	2.8	15
33	Co-doped Ni hydroxide and oxide nanosheet networks: laser-assisted synthesis, effective doping, and ultrahigh pseudocapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10609-10617.	10.3	73
34	A general strategy toward transition metal carbide/carbon core/shell nanospheres and their application for supercapacitor electrode. <i>Carbon</i> , 2016, 100, 590-599.	10.3	75
35	Monodispersed carbon nanodots spontaneously separated from combustion soot with excitation-independent photoluminescence. <i>RSC Advances</i> , 2016, 6, 8456-8460.	3.6	8
36	Layered mesoporous Mg(OH) <sub>2</sub> /GO nanosheet composite for efficient removal of water contaminants. <i>RSC Advances</i> , 2016, 6, 26977-26983.	3.6	31

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37	Structural and electrochemical evaluation of a TiO <sub>2</sub> –graphene oxide based sandwich structure for lithium-ion battery anodes. RSC Advances, 2015, 5, 45038-45043.	3.6	15
38	MoS <sub>2</sub> nanosheets decorated with ultrafine Co <sub>3</sub> O <sub>4</sub> nanoparticles for high-performance electrochemical capacitors. Electrochimica Acta, 2015, 182, 376-382.	5.2	53
39	Highly Dispersed Ultrafine Pt Nanoparticles on Reduced Graphene Oxide Nanosheets: In Situ Sacrificial Template Synthesis and Superior Electrocatalytic Performance for Methanol Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 22935-22940.	8.0	107
40	Reduced graphene oxide anchored magnetic ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles with enhanced visible-light photocatalytic activity. RSC Advances, 2015, 5, 9069-9074.	3.6	48
41	Simultaneous doping and growth of Sn-doped hematite nanocrystalline films with improved photoelectrochemical performance. RSC Advances, 2014, 4, 63408-63413.	3.6	20
42	A novel reduction approach to fabricate quantum-sized SnO <sub>2</sub> -conjugated reduced graphene oxide nanocomposites as non-enzymatic glucose sensors. Physical Chemistry Chemical Physics, 2014, 16, 8801.	2.8	61
43	Highly oriented Ge-doped hematite nanosheet arrays for photoelectrochemical water oxidation. Nano Energy, 2014, 9, 282-290.	16.0	104
44	In situ growth of lamellar ZnTiO <sub>3</sub> nanosheets on TiO <sub>2</sub> tubular array with enhanced photocatalytic activity. Physical Chemistry Chemical Physics, 2013, 15, 20203.	2.8	49
45	Grafting BiOCl nanosheets onto TiO <sub>2</sub> tubular arrays to form a hierarchical structure with improved photocatalytic performance. RSC Advances, 2013, 3, 19064.	3.6	23
46	The formation of onion-like carbon-encapsulated cobalt carbide core/shell nanoparticles by the laser ablation of metallic cobalt in acetone. Carbon, 2013, 55, 108-115.	10.3	119
47	Ge-doped hematite nanosheets with tunable doping level, structure and improved photoelectrochemical performance. Nano Energy, 2013, 2, 328-336.	16.0	49
48	Spontaneous Growth and Chemical Reduction Ability of Ge Nanoparticles. Scientific Reports, 2013, 3, .	3.3	48
49	General Strategy for Doping Impurities (Ge, Si, Mn, Sn, Ti) in Hematite Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 4986-4992.	3.1	75
50	Silicon-doped hematite nanosheets with superlattice structure. Chemical Communications, 2011, 47, 8040.	4.1	34