Minmin Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

40	4,363	257450	315739
papers	citations	24 h-index	38 g-index

42	42	42	7164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene-Supported Nanoelectrocatalysts for Fuel Cells: Synthesis, Properties, and Applications. Chemical Reviews, 2014, 114, 5117-5160.	47.7	899
2	Graphene wrapped Cu2O nanocubes: Non-enzymatic electrochemical sensors for the detection of glucose and hydrogen peroxide with enhanced stability. Biosensors and Bioelectronics, 2013, 45, 206-212.	10.1	687
3	Atomically dispersed metal catalysts for the oxygen reduction reaction: synthesis, characterization, reaction mechanisms and electrochemical energy applications. Energy and Environmental Science, 2019, 12, 2890-2923.	30.8	317
4	One-pot synthesis of carbon nanodots for fluorescence turn-on detection of Ag⁺ based on the Ag⁺-induced enhancement of fluorescence. Journal of Materials Chemistry C, 2015, 3, 2302-2309.	5.5	291
5	Three-Dimensional Mesoporous Graphene Aerogel-Supported SnO₂ Nanocrystals for High-Performance NO₂ Gas Sensing at Low Temperature. Analytical Chemistry, 2015, 87, 1638-1645.	6.5	288
6	PdAg Nanorings Supported on Graphene Nanosheets: Highly Methanolâ€Tolerant Cathode Electrocatalyst for Alkaline Fuel Cells. Advanced Functional Materials, 2013, 23, 1289-1296.	14.9	273
7	MOF-derived hierarchical double-shelled NiO/ZnO hollow spheres for high-performance supercapacitors. Dalton Transactions, 2016, 45, 13311-13316.	3.3	172
8	Co₃O₄ nanowires supported on 3D N-doped carbon foam as an electrochemical sensing platform for efficient H₂O₂ detection. Nanoscale, 2014, 6, 11769-11776.	5.6	156
9	Green synthesis of silver nanoclusters supported on carbon nanodots: enhanced photoluminescence and high catalytic activity for oxygen reduction reaction. Nanoscale, 2013, 5, 12558.	5.6	136
10	MOF-derived self-sacrificing route to hollow NiS₂/ZnS nanospheres for high performance supercapacitors. RSC Advances, 2016, 6, 103517-103522.	3.6	136
11	Graphene nanosheets-supported Ag nanoparticles for ultrasensitive detection of TNT by surface-enhanced Raman spectroscopy. Biosensors and Bioelectronics, 2013, 46, 68-73.	10.1	122
12	Novel blue light emitting graphene oxide nanosheets fabricated by surface functionalization. Journal of Materials Chemistry, 2012, 22, 2929-2934.	6.7	94
13	Sub-nanometer sized Cu₆(GSH)₃ clusters: one-step synthesis and electrochemical detection of glucose. Journal of Materials Chemistry C, 2015, 3, 4050-4056.	5.5	88
14	Non-enzymatic hydrogen peroxide electrochemical sensor based on a three-dimensional MnO₂nanosheets/carbon foam composite. RSC Advances, 2014, 4, 49315-49323.	3.6	87
15	Highâ€Indexed PtNi Alloy Skin Spiraled on Pd Nanowires for Highly Efficient Oxygen Reduction Reaction Catalysis. Small, 2019, 15, e1900288.	10.0	73
16	Sodium Superionic Conductors (NASICONs) as Cathode Materials for Sodium-Ion Batteries. Electrochemical Energy Reviews, 2021, 4, 793-823.	25.5	59
17	Carbon-Decorated Na₃V₂(PO₄)₃ as Ultralong Lifespan Cathodes for High-Energy-Density Symmetric Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 25036-25043.	8.0	55
18	Electrochemical reduction of carbon dioxide (CO₂): bismuth-based electrocatalysts. Journal of Materials Chemistry A, 2021, 9, 13770-13803.	10.3	55

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19	4â€Nitrophenol Reduction by a Single Platinum Palladium Nanocube Caged within a Nitrogenâ€Doped Hollow Carbon Nanosphere. ChemCatChem, 2017, 9, 980-986.	3.7	54
20	Three-dimensional carbon foam supported NiO nanosheets as non-enzymatic electrochemical H2O2 sensors. Applied Surface Science, 2021, 542, 148699.	6.1	42
21	A Review of Composite/Hybrid Electrocatalysts and Photocatalysts for Nitrogen Reduction Reactions: Advanced Materials, Mechanisms, Challenges and Perspectives. Electrochemical Energy Reviews, 2020, 3, 506-540.	25.5	35
22	StÃ¶ber synthesis of tannic acidâ€“formaldehyde resin polymer spheres and their derived carbon nanospheres and nanocomposites for oxygen reduction reaction. Journal of Colloid and Interface Science, 2018, 528, 1-9.	9.4	34
23	Free-Standing 3D Hierarchical Carbon Foam-Supported PtCo Nanowires with â€œPt Skinâ€•as Advanced Electrocatalysts. Electrochimica Acta, 2016, 199, 218-226.	5.2	31
24	Ternary PtPdTe Nanowires Winded Around 3D Free-Standing Carbon Foam as Electrocatalysts for Oxygen Reduction Reaction. Electrochimica Acta, 2017, 247, 426-434.	5.2	27
25	Highly regenerable carbon-Fe3O4 coreâ€“satellite nanospheres as oxygen reduction electrocatalyst and magnetic adsorbent. Journal of Solid State Chemistry, 2017, 246, 357-362.	2.9	20
26	MOF-based electrocatalysts for high-efficiency CO₂ conversion: structure, performance, and perspectives. Journal of Materials Chemistry A, 2021, 9, 22710-22728.	10.3	20
27	Dual-template strategy for electrocatalyst of cobalt nanoparticles encapsulated in nitrogen-doped carbon nanotubes for oxygen reduction reaction. Journal of Colloid and Interface Science, 2021, 581, 523-532.	9.4	19
28	Novel Pd₁₃Cu₃S₇nanotubes with high electrocatalytic activity towards both oxygen reduction and ethanol oxidation reactions. CrystEngComm, 2016, 18, 6055-6061.	2.6	14
29	ZnSn nanocatalyst: Ultra-high formate selectivity from CO2 electrochemical reduction and the structure evolution effect. Journal of Colloid and Interface Science, 2022, 608, 2791-2800.	9.4	13
30	Interface interaction in CuBi catalysts with tunable product selectivity for electrochemical CO2 reduction reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127637.	4.7	11
31	Boosting carbon monoxide production during CO2 reduction reaction via Cu-Sb2O3 interface cooperation. Journal of Colloid and Interface Science, 2021, 601, 661-668.	9.4	10
32	A polyacrylonitrile copolymer-silica template for three-dimensional hierarchical porous carbon as a Pt catalyst support for the oxygen reduction reaction. Dalton Transactions, 2017, 46, 9912-9917.	3.3	7
33	Novel Fe₃C Nanoparticles Encapsulated in Bamboo-Like Nitrogen-Doped Carbon Nanotubes as High-Performance Electrocatalyst for Zinc-Air Battery. Journal of the Electrochemical Society, 2020, 167, 060526.	2.9	6
34	Flash nanoprecipitation of poly(styrene-co-acrylonitrile) colloids in the presence of hydrophobic organoplatinum and their derived Pt-carbon nanocomposites for oxygen reduction reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 118-123.	4.7	5
35	Novel Nanomaterials as Electrocatalysts for Fuel Cells. , 2018, , 169-204.		5
36	Ni2P nanoparticle-incorporated reduced graphene oxide & carbon nanotubes to form flexible free-standing intertwining network film anodes for long-life sodium-ion storage. Journal of Materials Science, 2020, 55, 14491-14500.	3.7	5

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37	Bimetallic FeCoâ€“Nâ€“C catalyst for efficient oxygen reduction reaction. Electroanalysis, 0, , .	2.9	5
38	Electronic synergy to boost the performance of NiCoP-NWs@FeCoP-NSs anodes for flexible lithium-ion batteries. Nanoscale, 2022, 14, 8398-8408.	5.6	5
39	Novel Composite Electrode of the Reduced Graphene Oxide Nanosheets with Gold Nanoparticles Modified by Glucose Oxidase for Electrochemical Reactions. Catalysts, 2019, 9, 764.	3.5	4
40	Electrocatalysts: PdAg Nanorings Supported on Graphene Nanosheets: Highly Methanolâ€Tolerant Cathode Electrocatalyst for Alkaline Fuel Cells (Adv. Funct. Mater. 10/2013). Advanced Functional Materials, 2013, 23, 1348-1348.	14.9	3