Minmin Liu

List of Publications by Year
in descending order

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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	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
2	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
3	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
4	Three-dimensional carbon foam supported NiO nanosheets as non-enzymatic electrochemical H2O2 sensors. Applied Surface Science, 2021, 542, 148699.	6.1	42
5	MOF-based electrocatalysts for high-efficiency CO₂ conversion: structure, performance, and perspectives. Journal of Materials Chemistry A, 2021, 9, 22710-22728.	10.3	20
6	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
7	Sodium Superionic Conductors (NASICONs) as Cathode Materials for Sodium-Ion Batteries. Electrochemical Energy Reviews, 2021, 4, 793-823.	25.5	59
8	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
9	Electrochemical reduction of carbon dioxide (CO₂): bismuth-based electrocatalysts. Journal of Materials Chemistry A, 2021, 9, 13770-13803.	10.3	55
10	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
11	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
12	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
13	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
14	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
15	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
16	Highâ€Indexed PtNi Alloy Skin Spiraled on Pd Nanowires for Highly Efficient Oxygen Reduction Reaction Catalysis. Small, 2019, 15, e1900288.	10.0	73
17	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
18	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

#	Article	IF	Citations
19	Novel Nanomaterials as Electrocatalysts for Fuel Cells. , 2018, , 169-204.		5
20	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
21	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
22	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
23	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
24	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
25	Novel Pd₁₃Cu₃S₇nanotubes with high electrocatalytic activity towards both oxygen reduction and ethanol oxidation reactions. CrystEngComm, 2016, 18, 6055-6061.	2.6	14
26	MOF-derived self-sacrificing route to hollow NiS₂/ZnS nanospheres for high performance supercapacitors. RSC Advances, 2016, 6, 103517-103522.	3.6	136
27	MOF-derived hierarchical double-shelled NiO/ZnO hollow spheres for high-performance supercapacitors. Dalton Transactions, 2016, 45, 13311-13316.	3.3	172
28	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
29	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
30	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
31	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
32	Non-enzymatic hydrogen peroxide electrochemical sensor based on a three-dimensional MnO₂nanosheets/carbon foam composite. RSC Advances, 2014, 4, 49315-49323.	3.6	87
33	Graphene-Supported Nanoelectrocatalysts for Fuel Cells: Synthesis, Properties, and Applications. Chemical Reviews, 2014, 114, 5117-5160.	47.7	899
34	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
35	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
36	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

#	Article	IF	Citations
37	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
38	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
39	Novel blue light emitting graphene oxide nanosheets fabricated by surface functionalization. Journal of Materials Chemistry, 2012, 22, 2929-2934.	6.7	94
40	Bimetallic FeCoâ€“Nâ€“C catalyst for efficient oxygen reduction reaction. Electroanalysis, 0, , .	2.9	5