

Wei Yan

List of Publications by Year in descending order

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19
papers

529
citations

1040056

9
h-index

888059

17
g-index

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all docs

19
docs citations

19
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Noncarbon Materials as Catalyst Supports and Non-noble Electrocatalysts for Fuel Cells and Metal–Air Batteries. <i>Electrochemical Energy Reviews</i> , 2021, 4, 336-381.	25.5	120
2	A review of phosphorus and phosphides as anode materials for advanced sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4996-5048.	10.3	108
3	MOF-deviated zinc-nickel–cobalt ZIF-67 electrode material for high-performance symmetrical coin-shaped supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 140-151.	9.4	56
4	Dendrite–free lithium and sodium metal anodes with deep plating/stripping properties for lithium and sodium batteries. , 2021, 3, 153-166.		47
5	Catalytically active sites of MOF-derived electrocatalysts: synthesis, characterization, theoretical calculations, and functional mechanisms. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20320-20344.	10.3	37
6	A Review of Composite/Hybrid Electrocatalysts and Photocatalysts for Nitrogen Reduction Reactions: Advanced Materials, Mechanisms, Challenges and Perspectives. <i>Electrochemical Energy Reviews</i> , 2020, 3, 506-540.	25.5	35
7	Polystyrene Microspheres-Templated Nitrogen-Doped Graphene Hollow Spheres as Metal-Free Catalyst for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2016, 188, 230-239.	5.2	29
8	Design and fabrication of non–noble metal catalyst–based air–cathodes for metal–air battery. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2984-2993.	1.7	17
9	Metathesis Reaction to Form Nanosheet-Structured Co(OH) ₂ Deposited on N-Doped Carbon as Composite Electrocatalysts for Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 4165-4172.	5.1	14
10	Significantly improved high-rate partial-state-of-charge performance of lead-acid batteries induced by trace amount of graphene oxide nanosheets. <i>Journal of Energy Storage</i> , 2020, 29, 101325.	8.1	11
11	Acid-treated multi-walled carbon nanotubes as additives for negative active materials to improve high-rate-partial-state-of-charge cycle-life of lead-acid batteries. <i>RSC Advances</i> , 2021, 11, 15273-15283.	3.6	10
12	Layered FeCoNi double hydroxides with tailored surface electronic configurations induced by oxygen and unsaturated metal vacancies for boosting the overall water splitting process. <i>Nanoscale</i> , 2022, 14, 4156-4169.	5.6	10
13	Preparation of Partially Reduced Graphene Oxide Nanosheets/Poly(Sodium 4-Styrenesulfonate) Composite with High Capacitance. <i>Electrochimica Acta</i> , 2014, 147, 257-264.	5.2	9
14	Nitrogen-Doped Hierarchical Porous Hollow Carbon Microspheres for Electrochemical Energy Conversion. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 1098-1109.	0.9	6
15	Facile carbon cloth activation strategy to boost oxygen reduction reaction performance for flexible zinc–air battery application. , 2022, 4, 762-775.		6
16	Ni ₂ P nanoparticle-incorporated reduced graphene oxide & carbon nanotubes to form flexible free-standing intertwining network film anodes for long-life sodium-ion storage. <i>Journal of Materials Science</i> , 2020, 55, 14491-14500.	3.7	5
17	Novel Composite Electrode of the Reduced Graphene Oxide Nanosheets with Gold Nanoparticles Modified by Glucose Oxidase for Electrochemical Reactions. <i>Catalysts</i> , 2019, 9, 764.	3.5	4
18	Study of the Relationship between Metal–Support Interactions and the Electrocatalytic Performance of Pt/Ti ₄ O ₇ with Different Loadings. <i>Catalysts</i> , 2022, 12, 480.	3.5	3

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19	Mesoporous Ti ₄ O ₇ Nanosheets with High Polar Surface Area for Catalyzing Separator to Reduce the Shuttle Effect of Soluble Polysulfides in Lithium-Sulfur Batteries. Chemistry - an Asian Journal, 2022, 17, .	3.3	2