

Bingzhang Lu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,211
citations

471371

17
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610775

24
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docs citations

25
times ranked

3102
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene composites with Ru-RuO ₂ heterostructures: Highly efficient Mott-Schottky-type electrocatalysts for pH-universal water splitting and flexible zinc-air batteries. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120838.	10.8	124
2	Oxygen reduction reaction catalyzed by carbon composites with ruthenium-doped iron oxide nanoparticles. <i>Materials Advances</i> , 2022, 3, 4556-4565.	2.6	1
3	Theory-Guided Regulation of FeN ₄ Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metal-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	93
4	Rapid preparation of carbon-supported ruthenium nanoparticles by magnetic induction heating for efficient hydrogen evolution reaction in both acidic and alkaline media. <i>SusMat</i> , 2022, 2, 335-346.	7.8	21
5	Stabilization of Undercoordinated Cu Sites in Strontium Copper Oxides for Enhanced Formation of C ₂₊ Products in Electrochemical CO ₂ Reduction. <i>ACS Catalysis</i> , 2022, 12, 6663-6671.	5.5	28
6	Ultrafast Preparation of Nonequilibrium FeNi Spinel by Magnetic Induction Heating for Unprecedented Oxygen Evolution Electrocatalysis. <i>Research</i> , 2022, 2022, .	2.8	7
7	Organically Capped Iridium Nanoparticles as High-Performance Bifunctional Electrocatalysts for Full Water Splitting in Both Acidic and Alkaline Media: Impacts of Metal-Ligand Interfacial Interactions. <i>ACS Catalysis</i> , 2021, 11, 1179-1188.	5.5	65
8	Electrocatalysis of Single-Atom Sites: Impacts of Atomic Coordination. <i>ACS Catalysis</i> , 2020, 10, 7584-7618.	5.5	274
9	Nitrogen-Doped Porous Carbon Cages for Electrocatalytic Reduction of Oxygen: Enhanced Performance with Iron and Cobalt Dual Metal Centers. <i>ChemCatChem</i> , 2020, 12, 3230-3239.	1.8	18
10	Oxygen Reduction Reaction Catalyzed by Carbon-Supported Platinum Few-Atom Clusters: Significant Enhancement by Doping of Atomic Cobalt. <i>Research</i> , 2020, 2020, 9167829.	2.8	18
11	An Efficient Strategy for Boosting Photogenerated Charge Separation by Using Porphyrins as Interfacial Charge Mediators. <i>Angewandte Chemie</i> , 2019, 131, 16956-16961.	1.6	8
12	An Efficient Strategy for Boosting Photogenerated Charge Separation by Using Porphyrins as Interfacial Charge Mediators. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16800-16805.	7.2	80
13	Oxygen Reduction Reaction Catalyzed by Black-Phosphorus-Supported Metal Nanoparticles: Impacts of Interfacial Charge Transfer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24707-24714.	4.0	33
14	Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. <i>Nature Communications</i> , 2019, 10, 631.	5.8	423
15	Nanowrinkled Carbon Aerogels Embedded with FeN _x Sites as Effective Oxygen Electrodes for Rechargeable Zinc-Air Battery. <i>Research</i> , 2019, 2019, 6813585.	2.8	29
16	Single Atom Catalysts: Carbon-Supported Single Atom Catalysts for Electrochemical Energy Conversion and Storage(<i>Adv. Mater.</i> 48/2018). <i>Advanced Materials</i> , 2018, 30, 1870370.	11.1	6
17	Point of Anchor: Impacts on Interfacial Charge Transfer of Metal Oxide Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018, 140, 15290-15299.	6.6	18
18	Carbon-Supported Single Atom Catalysts for Electrochemical Energy Conversion and Storage. <i>Advanced Materials</i> , 2018, 30, e1801995.	11.1	479

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19	Graphitic Nitrogen Is Responsible for Oxygen Electroreduction on Nitrogen-Doped Carbons in Alkaline Electrolytes: Insights from Activity Attenuation Studies and Theoretical Calculations. ACS Catalysis, 2018, 8, 6827-6836.	5.5	188
20	Impacts of interfacial charge transfer on nanoparticle electrocatalytic activity towards oxygen reduction. Physical Chemistry Chemical Physics, 2017, 19, 9336-9348.	1.3	49
21	Nitrogen and Iron-Codoped Carbon Hollow Nanotubes as High-Performance Catalysts toward Oxygen Reduction Reaction: A Combined Experimental and Theoretical Study. Chemistry of Materials, 2017, 29, 5617-5628.	3.2	92
22	Hydrogen evolution reaction catalyzed by ruthenium ion-complexed graphitic carbon nitride nanosheets. Journal of Materials Chemistry A, 2017, 5, 18261-18269.	5.2	136
23	Ethanol Oxidation Reaction Catalyzed by Palladium Nanoparticles Supported on Hydrogen-Treated TiO ₂ Nanobelts: Impact of Oxygen Vacancies. ChemElectroChem, 2017, 4, 2211-2217.	1.7	9
24	Theory-Guided Regulation of FeN ₄ Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metal-Air Batteries. Angewandte Chemie, 0, , .	1.6	8