Bingzhang Lu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10243704/publications.pdf

Version: 2024-02-01

24 papers	2,211 citations	471371 17 h-index	610775 24 g-index
25 all docs	25 docs citations	25 times ranked	3102 citing authors

#	Article	IF	Citations
1	Carbonâ€Supported Single Atom Catalysts for Electrochemical Energy Conversion and Storage. Advanced Materials, 2018, 30, e1801995.	11.1	479
2	Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. Nature Communications, 2019, 10, 631.	5.8	423
3	Electrocatalysis of Single-Atom Sites: Impacts of Atomic Coordination. ACS Catalysis, 2020, 10, 7584-7618.	5.5	274
4	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
5	Hydrogen evolution reaction catalyzed by ruthenium ion-complexed graphitic carbon nitride nanosheets. Journal of Materials Chemistry A, 2017, 5, 18261-18269.	5.2	136
6	Graphene composites with Ru-RuO2 heterostructures: Highly efficient Mottâ€“Schottky-type electrocatalysts for pH-universal water splitting and flexible zincâ€“air batteries. Applied Catalysis B: Environmental, 2022, 302, 120838.	10.8	124
7	Theoryâ€Guided Regulation of FeN₄Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metalâ€“Air Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	93
8	Nitrogen and Iron-Codoped Carbon Hollow Nanotubules as High-Performance Catalysts toward Oxygen Reduction Reaction: A Combined Experimental and Theoretical Study. Chemistry of Materials, 2017, 29, 5617-5628.	3.2	92
9	An Efficient Strategy for Boosting Photogenerated Charge Separation by Using Porphyrins as Interfacial Charge Mediators. Angewandte Chemie - International Edition, 2019, 58, 16800-16805.	7.2	80
10	Organically Capped Iridium Nanoparticles as High-Performance Bifunctional Electrocatalysts for Full Water Splitting in Both Acidic and Alkaline Media: Impacts of Metalâ€“Ligand Interfacial Interactions. ACS Catalysis, 2021, 11, 1179-1188.	5.5	65
11	Impacts of interfacial charge transfer on nanoparticle electrocatalytic activity towards oxygen reduction. Physical Chemistry Chemical Physics, 2017, 19, 9336-9348.	1.3	49
12	Oxygen Reduction Reaction Catalyzed by Black-Phosphorus-Supported Metal Nanoparticles: Impacts of Interfacial Charge Transfer. ACS Applied Materials & Interfaces, 2019, 11, 24707-24714.	4.0	33
13	Nanowrinkled Carbon Aerogels Embedded with FeNx Sites as Effective Oxygen Electrodes for Rechargeable Zinc-Air Battery. Research, 2019, 2019, 6813585.	2.8	29
14	Stabilization of Undercoordinated Cu Sites in Strontium Copper Oxides for Enhanced Formation of C₂₊ Products in Electrochemical CO₂ Reduction. ACS Catalysis, 2022, 12, 6663-6671.	5.5	28
15	Rapid preparation of carbonâ€supported ruthenium nanoparticles by magnetic induction heating for efficient hydrogen evolution reaction in both acidic and alkaline media. SusMat, 2022, 2, 335-346.	7.8	21
16	Point of Anchor: Impacts on Interfacial Charge Transfer of Metal Oxide Nanoparticles. Journal of the American Chemical Society, 2018, 140, 15290-15299.	6.6	18
17	Nitrogenâ€Doped Porous Carbon Cages for Electrocatalytic Reduction of Oxygen: Enhanced Performance with Iron and Cobalt Dual Metal Centers. ChemCatChem, 2020, 12, 3230-3239.	1.8	18
18	Oxygen Reduction Reaction Catalyzed by Carbon-Supported Platinum Few-Atom Clusters: Significant Enhancement by Doping of Atomic Cobalt. Research, 2020, 2020, 9167829.	2.8	18

#	Article	IF	Citations
19	Ethanol Oxidation Reaction Catalyzed by Palladium Nanoparticles Supported on Hydrogenâ€Treated TiO 2 Nanobelts: Impact of Oxygen Vacancies. ChemElectroChem, 2017, 4, 2211-2217.	1.7	9
20	An Efficient Strategy for Boosting Photogenerated Charge Separation by Using Porphyrins as Interfacial Charge Mediators. Angewandte Chemie, 2019, 131, 16956-16961.	1.6	8
21	Theoryâ€Guided Regulation of FeN ₄ Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metalâ€“Air Batteries. Angewandte Chemie, 0, , .	1.6	8
22	Ultrafast Preparation of Nonequilibrium FeNi Spinels by Magnetic Induction Heating for Unprecedented Oxygen Evolution Electrocatalysis. Research, 2022, 2022, .	2.8	7
23	Single Atom Catalysts: Carbonâ€Supported Single Atom Catalysts for Electrochemical Energy Conversion and Storage(Adv. Mater. 48/2018). Advanced Materials, 2018, 30, 1870370.	11.1	6
24	Oxygen reduction reaction catalyzed by carbon composites with ruthenium-doped iron oxide nanoparticles. Materials Advances, 2022, 3, 4556-4565.	2.6	1