Rui Lin

List of Publications by Year
in descending order

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23 papers	4,798 citations	361413 20 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	6154 citing authors

#	Article	IF	Citations
1	Design of Single-Atom Coâ€“N₅ Catalytic Site: A Robust Electrocatalyst for CO₂ Reduction with Nearly 100% CO Selectivity and Remarkable Stability. Journal of the American Chemical Society, 2018, 140, 4218-4221.	13.7	945
2	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO2. Nature Chemistry, 2019, 11, 222-228.	13.6	571
3	Bismuth Single Atoms Resulting from Transformation of Metalâ€“Organic Frameworks and Their Use as Electrocatalysts for CO₂ Reduction. Journal of the American Chemical Society, 2019, 141, 16569-16573.	13.7	501
4	Highly dispersed palladium nanoparticles anchored on UiO-66(NH2) metal-organic framework as a reusable and dual functional visible-light-driven photocatalyst. Nanoscale, 2013, 5, 9374.	5.6	417
5	NH 2 -mediated indium metalâ€“organic framework as a novel visible-light-driven photocatalyst for reduction of the aqueous Cr(VI). Applied Catalysis B: Environmental, 2015, 162, 245-251.	20.2	273
6	A photochromic composite with enhanced carrier separation for the photocatalytic activation of benzylic Câ€“H bonds in toluene. Nature Catalysis, 2018, 1, 704-710.	34.4	273
7	Synergetic Integration of Cu_{1.94}Sâ€“Zn_xCd_{1â€“x}S Heteronanorods for Enhanced Visible-Light-Driven Photocatalytic Hydrogen Production. Journal of the American Chemical Society, 2016, 138, 4286-4289.	13.7	257
8	Cation vacancy stabilization of single-atomic-site Pt1/Ni(OH)x catalyst for diboration of alkynes and alkenes. Nature Communications, 2018, 9, 1002.	12.8	255
9	Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie - International Edition, 2021, 60, 6170-6176.	13.8	236
10	Enhanced photocatalytic hydrogen production activity via dual modification of MOF and reduced graphene oxide on CdS. Chemical Communications, 2014, 50, 8533.	4.1	212
11	Quantitative Study of Charge Carrier Dynamics in Well-Defined WO₃ Nanowires and Nanosheets: Insight into the Crystal Facet Effect in Photocatalysis. Journal of the American Chemical Society, 2018, 140, 9078-9082.	13.7	209
12	A Supported Pd₂Dualâ€Atom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie - International Edition, 2021, 60, 13388-13393.	13.8	201
13	Convenient fabrication of BiOBr ultrathin nanosheets with rich oxygen vacancies for photocatalytic selective oxidation of secondary amines. Nano Research, 2019, 12, 1625-1630.	10.4	96
14	Engineering Lattice Disorder on a Photocatalyst: Photochromic BiOBr Nanosheets Enhance Activation of Aromatic Câ€“H Bonds via Water Oxidation. Journal of the American Chemical Society, 2022, 144, 3386-3397.	13.7	96
15	PdAg bimetallic electrocatalyst for highly selective reduction of CO2 with low COOH* formation energy and facile CO desorption. Nano Research, 2019, 12, 2866-2871.	10.4	61
16	Anion-exchange-mediated internal electric field for boosting photogenerated carrier separation and utilization. Nature Communications, 2021, 12, 4952.	12.8	45
17	An efficientfficient, controllable and facile two-step synthesis strategy: Fe3O4@RGO composites with various Fe3O4 nanoparticles and their supercapacitance properties. Nano Research, 2017, 10, 3303-3313.	10.4	29
18	A Supported Pd₂Dualâ€Atom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie, 2021, 133, 13500-13505.	2.0	29

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19	Photocatalytic hydrogenation of nitroarenes using Cu1.94S-Zn0.23Cd0.77S heteronanorods. Nano Research, 2018, 11, 3730-3738.	10.4	28
20	Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie, 2021, 133, 6235-6241.	2.0	22
21	Fabrication and photocatalysis of ZnO nanotubes on transparent conductive graphene-based flexible substrates. Science China Materials, 2018, 61, 1007-1011.	6.3	19
22	Atomically dispersed Ni anchored on polymer-derived mesh-like N-doped carbon nanofibers as an efficient CO2 electrocatalytic reduction catalyst. Nano Research, 2022, 15, 3959-3963.	10.4	18
23	Thermally Evaporated Agâ€“Au Bimetallic Catalysts for Efficient Electrochemical CO₂ Reduction. Particle and Particle Systems Characterization, 2021, 38, 2100148.	2.3	5