

Jun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

5,210
citations

346980

22
h-index

685536

24
g-index

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all docs

24
docs citations

24
times ranked

9072
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia Oxidation Enhanced by Photopotential Generated by Plasmonic Excitation of a Bimetallic Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18430-18434.	7.2	42
2	Engineering Ultrathin C ₃ N ₄ Quantum Dots on Graphene as a Metal-Free Water Reduction Electrocatalyst. <i>ACS Catalysis</i> , 2018, 8, 3965-3970.	5.5	130
3	A bifunctional catalyst for efficient dehydrogenation and electro-oxidation of hydrazine. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18050-18056.	5.2	20
4	Ambient ammonia synthesis via palladium-catalyzed electrohydrogenation of dinitrogen at low overpotential. <i>Nature Communications</i> , 2018, 9, 1795.	5.8	620
5	Synthesis of porous and metallic CoB nanosheets towards a highly efficient electrocatalyst for rechargeable Na-O ₂ batteries. <i>Energy and Environmental Science</i> , 2018, 11, 2833-2838.	15.6	33
6	Ambient Electrochemical Ammonia Synthesis with High Selectivity on Fe/Fe Oxide Catalyst. <i>ACS Catalysis</i> , 2018, 8, 9312-9319.	5.5	248
7	In Situ Coupling FeM (M = Ni, Co) with Nitrogen-Doped Porous Carbon toward Highly Efficient Trifunctional Electrocatalyst for Overall Water Splitting and Rechargeable Zn-Air Battery. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700020.	2.7	122
8	In situ anchoring of Co ₉ S ₈ nanoparticles on N and S co-doped porous carbon tube as bifunctional oxygen electrocatalysts. <i>NPG Asia Materials</i> , 2016, 8, e308-e308.	3.8	164
9	In Situ Activating Ubiquitous Rust towards Low-Cost, Efficient, Free-Standing, and Recoverable Oxygen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9937-9941.	7.2	173
10	Reactive Multifunctional Template-Induced Preparation of Fe-N-Doped Mesoporous Carbon Microspheres Towards Highly Efficient Electrocatalysts for Oxygen Reduction. <i>Advanced Materials</i> , 2016, 28, 7948-7955.	11.1	342
11	Integrated Three-Dimensional Carbon Paper/Carbon Tubes/Cobalt-Sulfide Sheets as an Efficient Electrode for Overall Water Splitting. <i>ACS Nano</i> , 2016, 10, 2342-2348.	7.3	575
12	Synergistic Effect between Metal-Nitrogen-Carbon Sheets and NiO Nanoparticles for Enhanced Electrochemical Water Oxidation Performance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10530-10534.	7.2	301
13	Rh-Ni-B Nanoparticles as Highly Efficient Catalysts for Hydrogen Generation from Hydrous Hydrazine. <i>Advanced Energy Materials</i> , 2015, 5, 1401879.	10.2	61
14	Gelatin-derived sustainable carbon-based functional materials for energy conversion and storage with controllability of structure and component. <i>Science Advances</i> , 2015, 1, e1400035.	4.7	144
15	C and N Hybrid Coordination Derived Co-C-N Complex as a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 15070-15073.	6.6	377
16	ZIF-8 Derived Graphene-Based Nitrogen-Doped Porous Carbon Sheets as Highly Efficient and Durable Oxygen Reduction Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14235-14239.	7.2	849
17	Precious-Metal-Free Nanocatalysts for Highly Efficient Hydrogen Production from Hydrous Hydrazine. <i>Advanced Functional Materials</i> , 2014, 24, 7073-7077.	7.8	14
18	Efficient PdNi and PdNi@Pd-catalyzed hydrogen generation via formic acid decomposition at room temperature. <i>Chemical Communications</i> , 2013, 49, 10028.	2.2	129

#	ARTICLE	IF	CITATIONS
19	An Efficient Three-Dimensional Oxygen Evolution Electrode. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5248-5253.	7.2	307
20	Rapid and shape-controlled synthesis of clean star-like and concave Pd nanocrystallites and their high performance toward methanol oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 14861.	6.7	38
21	In situ synthesis of magnetically recyclable graphene-supported Pd@Co core-shell nanoparticles as efficient catalysts for hydrolytic dehydrogenation of ammonia borane. <i>Journal of Materials Chemistry</i> , 2012, 22, 12468.	6.7	147
22	Rhodium-nickel nanoparticles grown on graphene as highly efficient catalyst for complete decomposition of hydrous hydrazine at room temperature for chemical hydrogen storage. <i>Energy and Environmental Science</i> , 2012, 5, 6885.	15.6	214
23	One-step and rapid synthesis of clean and monodisperse dendritic Pt nanoparticles and their high performance toward methanol oxidation and p-nitrophenol reduction. <i>Nanoscale</i> , 2012, 4, 1549.	2.8	130