

Xiaodong Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

2,294
citations

13
h-index

23
g-index

23
ext. papers

2,859
ext. citations

10
avg, IF

5.41
L-index

#	Paper	IF	Citations
21	Synthesis of rattle-structured CuCo ₂ O ₄ nanospheres with tunable sizes based on heterogeneous contraction and their ultrahigh performance toward ammonia borane hydrolysis. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158089	5.7	11
20	Co ₃ O ₄ @CuCoO ₂ hybrid nanoplates as a low-cost and highly active catalyst for producing hydrogen from ammonia borane. <i>New Journal of Chemistry</i> , 2021 , 45, 2688-2695	3.6	2
19	Sea-Urchin-like Hollow CuMoO ₄ @CoMoO ₄ Hybrid Microspheres, a Noble-Metal-like Robust Catalyst for the Fast Hydrogen Production from Ammonia Borane. <i>ACS Applied Energy Materials</i> , 2021 , 4, 633-642	6.1	10
18	Facile Synthesis of Boron and Nitrogen Dual-Doped Hollow Mesoporous Carbons for Efficient Reduction of 4-Nitrophenol. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42598-42604	9.5	2
17	Ni _{0.25} Co _{0.75} O nanowire array supported on Cu@CuO foam, an inexpensive and durable catalyst for hydrogen generation from ammonia borane. <i>Catalysis Communications</i> , 2021 , 159, 106343	3.2	0
16	Simple synthesis of Cu ₂ O@CoO nanoplates with enhanced catalytic activity for hydrogen production from ammonia borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 17164-17173	6.7	15
15	Simple 2D/0D CoP Integration in a Metal-Organic Framework-Derived Bifunctional Electrocatalyst for Efficient Overall Water Splitting. <i>ChemSusChem</i> , 2020 , 13, 3495-3503	8.3	12
14	A KCl-assisted pyrolysis strategy to fabricate nitrogen-doped carbon nanotube hollow polyhedra for efficient bifunctional oxygen electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20310-20316	13	23
13	MOF-Derived Isolated Fe Atoms Implanted in N-Doped 3D Hierarchical Carbon as an Efficient ORR Electrocatalyst in Both Alkaline and Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25978-25985	8.5	102
12	Ordered macro-microporous metal-organic framework single crystals. <i>Science</i> , 2018 , 359, 206-210	33.3	570
11	Multi-Level Architecture Optimization of MOF-Templated Co-Based Nanoparticles Embedded in Hollow N-Doped Carbon Polyhedra for Efficient OER and ORR. <i>ACS Catalysis</i> , 2018 , 8, 7879-7888	13.1	247
10	Solvent-Driven Selectivity Control to Either Anilines or Dicyclohexylamines in Hydrogenation of Nitroarenes over a Bifunctional Pd/MIL-101 Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 10641-10648	13.1	35
9	Hollow-ZIF-templated formation of a ZnO@CuCo core-shell nanostructure for highly efficient pollutant photodegradation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9937-9945	13	111
8	Seed-induced and additive-free synthesis of oriented nanorod-assembled meso/macroporous zeolites: toward efficient and cost-effective catalysts for the MTA reaction. <i>Catalysis Science and Technology</i> , 2017 , 7, 5143-5153	5.5	22
7	Rational design of hollow N/Co-doped carbon spheres from bimetal-ZIFs for high-efficiency electrocatalysis. <i>Chemical Engineering Journal</i> , 2017 , 330, 736-745	14.7	71
6	Two micrometer fluorescence emission and energy transfer in Yb ³⁺ /Ho ³⁺ co-doped lead silicate glass. <i>International Journal of Applied Glass Science</i> , 2017 , 8, 196-203	1.8	11
5	Development of MOF-Derived Carbon-Based Nanomaterials for Efficient Catalysis. <i>ACS Catalysis</i> , 2016 , 6, 5887-5903	13.1	810

4	Selective adsorption of lead on grafted and crosslinked chitosan nanoparticles prepared by using Pb(2+) as template. <i>Journal of Hazardous Materials</i> , 2016 , 308, 225-32	12.8	99
3	One-step encapsulation of Pd nanoparticles in MOFs via a temperature control program. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15259-15264	13	65
2	Metal-Organic Frameworks: Encapsulation of Mono- or Bimetal Nanoparticles Inside Metal-Organic Frameworks via In situ Incorporation of Metal Precursors (Small 22/2015). <i>Small</i> , 2015 , 11, 2586-2586	11	1
1	Encapsulation of Mono- or Bimetal Nanoparticles Inside Metal-Organic Frameworks via In situ Incorporation of Metal Precursors. <i>Small</i> , 2015 , 11, 2642-8	11	73