Xiaodong Chen

List of Publications by Year
in descending order

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23 papers	3,342 citations	471061 17 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	5020 citing authors

#	Article	IF	Citations
1	Modulating the Acidic Properties of Mesoporous Mo_xâ€“Ni_{0.8}Cu_{0.2}O Nanowires for Enhanced Catalytic Performance toward the Methanolysis of Ammonia Borane for Hydrogen Production. ACS Applied Materials & Interfaces, 2022, 14, 27979-27993.	4.0	20
2	Regulation of Co3O4/Co hetero-structures embedded in N-doped porous carbon as high-efficient catalysts for dehydrogenation of ammonia borane. Materials Chemistry and Physics, 2022, 289, 126514.	2.0	1
3	Synthesis of rattle-structured CuCo2O4 nanospheres with tunable sizes based on heterogeneous contraction and their ultrahigh performance toward ammonia borane hydrolysis. Journal of Alloys and Compounds, 2021, 863, 158089.	2.8	24
4	Co₃O₄â€“CuCoO₂ hybrid nanoplates as a low-cost and highly active catalyst for producing hydrogen from ammonia borane. New Journal of Chemistry, 2021, 45, 2688-2695.	1.4	15
5	Sea-Urchin-like Hollow CuMoO₄â€“CoMoO₄ Hybrid Microspheres, a Noble-Metal-like Robust Catalyst for the Fast Hydrogen Production from Ammonia Borane. ACS Applied Energy Materials, 2021, 4, 633-642.	2.5	31
6	Facile Synthesis of Boron and Nitrogen Dual-Doped Hollow Mesoporous Carbons for Efficient Reduction of 4-Nitrophenol. ACS Applied Materials & Interfaces, 2021, 13, 42598-42604.	4.0	22
7	Ni0.25Co0.75O nanowire array supported on Cu@CuO foam, an inexpensive and durable catalyst for hydrogen generation from ammonia borane. Catalysis Communications, 2021, 159, 106343.	1.6	2
8	Simple synthesis of Cu2Oâ€“CoO nanoplates with enhanced catalytic activity for hydrogen production from ammonia borane hydrolysis. International Journal of Hydrogen Energy, 2020, 45, 17164-17173.	3.8	38
9	Simple 2â€‰D/0â€‰D CoP Integration in a Metalâ€“Organic Frameworkâ€Derived Bifunctional Electrocatalyst for Efficient Overall Water Splitting. ChemSusChem, 2020, 13, 3495-3503.	3.6	18
10	A KCl-assisted pyrolysis strategy to fabricate nitrogen-doped carbon nanotube hollow polyhedra for efficient bifunctional oxygen electrocatalysts. Journal of Materials Chemistry A, 2019, 7, 20310-20316.	5.2	49
11	MOF-Derived Isolated Fe Atoms Implanted in N-Doped 3D Hierarchical Carbon as an Efficient ORR Electrocatalyst in Both Alkaline and Acidic Media. ACS Applied Materials & Interfaces, 2019, 11, 25976-25985.	4.0	196
12	Ordered macro-microporous metal-organic framework single crystals. Science, 2018, 359, 206-210.	6.0	836
13	Solvent-Driven Selectivity Control to Either Anilines or Dicyclohexylamines in Hydrogenation of Nitroarenes over a Bifunctional Pd/MIL-101 Catalyst. ACS Catalysis, 2018, 8, 10641-10648.	5.5	51
14	Multi-Level Architecture Optimization of MOF-Templated Co-Based Nanoparticles Embedded in Hollow N-Doped Carbon Polyhedra for Efficient OER and ORR. ACS Catalysis, 2018, 8, 7879-7888.	5.5	394
15	Hollow-ZIF-templated formation of a ZnO@Câ€“Nâ€“Co coreâ€“shell nanostructure for highly efficient pollutant photodegradation. Journal of Materials Chemistry A, 2017, 5, 9937-9945.	5.2	143
16	Seed-induced and additive-free synthesis of oriented nanorod-assembled meso/macroporous zeolites: toward efficient and cost-effective catalysts for the MTA reaction. Catalysis Science and Technology, 2017, 7, 5143-5153.	2.1	26
17	Rational design of hollow N/Co-doped carbon spheres from bimetal-ZIFs for high-efficiency electrocatalysis. Chemical Engineering Journal, 2017, 330, 736-745.	6.6	97
18	Two micrometer fluorescence emission and energy transfer in Yb 3+ /Ho 3+ coâ€doped lead silicate glass. International Journal of Applied Glass Science, 2017, 8, 196-203.	1.0	13

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19	Development of MOF-Derived Carbon-Based Nanomaterials for Efficient Catalysis. ACS Catalysis, 2016, 6, 5887-5903.	5.5	1,077
20	Selective adsorption of lead on grafted and crosslinked chitosan nanoparticles prepared by using Pb2+ as template. Journal of Hazardous Materials, 2016, 308, 225-232.	6.5	125
21	Metalâ€“Organic Frameworks: Encapsulation of Monoâ€•or Bimetal Nanoparticles Inside Metalâ€“Organic Frameworks via In situ Incorporation of Metal Precursors (Small 22/2015). Small, 2015, 11, 2586-2586.	5.2	1
22	Encapsulation of Monoâ€•or Bimetal Nanoparticles Inside Metalâ€“Organic Frameworks via In situ Incorporation of Metal Precursors. Small, 2015, 11, 2642-2648.	5.2	85
23	One-step encapsulation of Pd nanoparticles in MOFs via a temperature control program. Journal of Materials Chemistry A, 2015, 3, 15259-15264.	5.2	78