Yonggang Jin

List of Publications by Year
in descending order

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22	1,797	758635 12	676716 22
papers	citations	h-index	g-index

22	22	22	3093
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructured Metalâ€Free Electrochemical Catalysts for Highly Efficient Oxygen Reduction. Small, 2012, 8, 3550-3566.	5.2	559
2	Single-Boron Catalysts for Nitrogen Reduction Reaction. Journal of the American Chemical Society, 2019, 141, 2884-2888.	6.6	497
3	Conversion of dinitrogen to ammonia on Ru atoms supported on boron sheets: a DFT study. Journal of Materials Chemistry A, 2019, 7, 4771-4776.	5.2	251
4	Theoretical Evaluation of Possible 2D Boron Monolayer in N₂ Electrochemical Conversion into Ammonia. Journal of Physical Chemistry C, 2018, 122, 25268-25273.	1.5	91
5	Carbon nanotube modified carbon composite monoliths as superior adsorbents for carbon dioxide capture. Energy and Environmental Science, 2013, 6, 2591.	15.6	87
6	Engineering Ni/SiO2 catalysts for enhanced CO2 methanation. Fuel, 2021, 285, 119151.	3.4	76
7	Two-Dimensional Boron Sheets as Metal-Free Catalysts for Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2018, 122, 19051-19055.	1.5	63
8	Experimental and theoretical study of the oxidation of ventilation air methane over Fe₂O₃ and CuO. Physical Chemistry Chemical Physics, 2015, 17, 16277-16284.	1.3	23
9	Preparation of spiral porous stainless steel hollow fiber membranes by a modified phase inversionâ€“sintering technique. Journal of Membrane Science, 2015, 489, 292-298.	4.1	22
10	Oxygen permeability and CO2-tolerance of Ce0.9Gd0.1O2â˜Î´ â€“ SrCo0.8Fe0.1Nb0.1O3â˜Î´ dual-phase membrane. Journal of Alloys and Compounds, 2015, 646, 204-210.	2.8	22
11	A promising synergistic effect of nickel ferrite loaded on the layered double hydroxide-derived carrier for enhanced photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2017, 42, 867-875.	3.8	18
12	CO2 derived nanoporous carbons for carbon capture. Microporous and Mesoporous Materials, 2020, 305, 110356.	2.2	15
13	Improved catalytic combustion of methane using CuO nanobelts with predominantly (001) surfaces. Beilstein Journal of Nanotechnology, 2018, 9, 2526-2532.	1.5	12
14	Expanded graphite/phenolic resin-based carbon composite adsorbents for post-combustion CO2 capture. RSC Advances, 2015, 5, 62604-62610.	1.7	10
15	A site trial demonstration of CO 2 capture from real flue gas by novel carbon fibre composite monolith adsorbents. International Journal of Greenhouse Gas Control, 2015, 42, 415-423.	2.3	10
16	Site Trials and Demonstration of a Novel Pilot Ventilation Air Methane Mitigator. Energy & Fuels, 2020, 34, 9885-9893.	2.5	9
17	Ammonia Syngas Production from Coal Mine Drainage Gas with CO₂ Capture via Enrichment and Sorption-Enhanced Autothermal Reforming. Energy & Fuels, 2020, 34, 655-664.	2.5	8
18	A Study on the Degradation and Recovery Mechanisms of Perovskite Ba1.0Co0.7Fe0.2Nb0.1O3-Î´ Membrane Under CO2-Containing Atmosphere. Journal of Physical Chemistry C, 2015, 119, 24229-24237.	1.5	6

#	Article	IF	Citations
19	Biomass-derived carbon composites for enrichment of dilute methane from underground coal mines. Journal of Environmental Management, 2018, 217, 373-380.	3.8	6
20	Fabrication Methodâ€Engineered Cuâ€“ZnO/SiO₂ Catalysts with Highly Dispersed Metal Nanoparticles toward Efficient Utilization of Methanol as a Hydrogen Carrier. Advanced Energy and Sustainability Research, 2021, 2, 2100082.	2.8	6
21	Polyvinylidene fluoride photocatalytic films embedded by porous Zr x Si 1â˜' x O 2 shell/void/TiO 2 core particles. Separation and Purification Technology, 2015, 156, 535-543.	3.9	4
22	Preparation optimization of carbon nanotube/carbon fiber incorporated carbon composite monoliths for high CO₂ adsorption capacity. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 842-850.	0.8	2