

Mohsen Shakouri

List of Publications by Year in descending order

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25
papers

1,671
citations

623734

14
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical ammonia synthesis via nitrate reduction on Fe single atom catalyst. Nature Communications, 2021, 12, 2870.	12.8	605
2	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. Nature Chemistry, 2021, 13, 887-894.	13.6	362
3	Co/MoN hetero-interface nanoflake array with enhanced water dissociation capability achieves the Pt-like hydrogen evolution catalytic performance. Applied Catalysis B: Environmental, 2021, 286, 119882.	20.2	109
4	Efficient and stable noble-metal-free catalyst for acidic water oxidation. Nature Communications, 2022, 13, 2294.	12.8	89
5	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO ₂ . Advanced Functional Materials, 2022, 32, .	14.9	80
6	Insights into Bimetallic Oxide Synergy during Carbon Dioxide Hydrogenation to Methanol and Dimethyl Ether over GaZrO _x Oxide Catalysts. ACS Catalysis, 2021, 11, 4704-4711.	11.2	60
7	XANES and EXAFS studies on metal nanoparticle growth and bimetallic interaction of Ni-based catalysts for CO ₂ reforming of CH ₄ . Catalysis Today, 2013, 207, 3-12.	4.4	50
8	Defect engineering on three-dimensionally ordered macroporous phosphorus doped Co ₃ O ₄ microspheres as an efficient bifunctional electrocatalyst for Zn-air batteries. Energy Storage Materials, 2021, 41, 427-435.	18.0	47
9	New Insights into the High-Performance Black Phosphorus Anode for Lithium-Ion Batteries. Advanced Materials, 2021, 33, e2101259.	21.0	41
10	Molecular engineering to introduce carbonyl between nickel salophen active sites to enhance electrochemical CO ₂ reduction to methanol. Applied Catalysis B: Environmental, 2022, 314, 121451.	20.2	32
11	A new trick for an old support: Stabilizing gold single atoms on LaFeO ₃ perovskite. Applied Catalysis B: Environmental, 2020, 261, 118178.	20.2	31
12	Atomic-level coupled spinel/perovskite dual-phase oxides toward enhanced performance in Zn-air batteries. Journal of Materials Chemistry A, 2022, 10, 1506-1513.	10.3	28
13	Anode-cathode interchangeable strategy for in situ reviving electrocatalysts' critical active sites for highly stable methanol upgrading and hydrogen evolution reactions. Applied Catalysis B: Environmental, 2022, 305, 121082.	20.2	21
14	Development of a small-scale test facility for effectiveness evaluation of fixed-bed regenerators. Applied Thermal Engineering, 2020, 174, 115263.	6.0	19
15	Enhanced arsenate removal by Fe-impregnated canola straw: assessment of XANES solid-phase speciation, impacts of solution properties, sorption mechanisms, and evolutionary polynomial regression (EPR) models. Environmental Science and Pollution Research, 2021, 28, 12659-12676.	5.3	17
16	Bias-Adaptable CO ₂ -to-CO Conversion via Tuning the Binding of Competing Intermediates. Nano Letters, 2021, 21, 8924-8932.	9.1	13
17	Application of Ni-Co/Mg-Al Catalyst System for Hydrogen Production via Supercritical Water Gasification of Lignocellulosic Biomass. Catalysis Letters, 2016, 146, 2596-2605.	2.6	12
18	Water Vapor Adsorption-Desorption Behavior of Surfactant-Coated Starch Particles for Commercial Energy Wheels. ACS Omega, 2019, 4, 14378-14389.	3.5	12

#	ARTICLE	IF	CITATIONS
19	A Highly Efficient Nickel Phosphate Electrocatalyst for the Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid. ACS Sustainable Chemistry and Engineering, 2022, 10, 5538-5547.	6.7	12
20	Mechanistic insights into interfacial nano-synergistic effects in trimetallic Rh-on-NiCo on-CNTs for room temperature solvent-free hydrogenations. Applied Catalysis B: Environmental, 2021, 297, 120404.	20.2	9
21	Towards designing reactive glasses for alkali activation: Understanding the origins of alkaline reactivity of Na-Mg aluminosilicate glasses. PLoS ONE, 2020, 15, e0244621.	2.5	6
22	CO_2 conversion through combined steam and CO_2 reforming of methane reactions over Ni and Co catalysts. Canadian Journal of Chemical Engineering, 2021, 99, 153-165.	1.7	5
23	Influence of calcination on physico-chemical properties and Fischer-Tropsch activity of titanosilicate supported cobalt catalysts with different pore sizes. Applied Catalysis A: General, 2020, 598, 117563.	4.3	4
24	Glovebox-integrated XES and XAS station for in situ studies in tender x-ray region. Electronic Structure, 2020, 2, 047001.	2.8	4
25	Development of shaped NiCoMg/Al ₂ O ₃ catalyst with commercial support for CO ₂ reforming of CH ₄ . Catalysis Today, 2017, 291, 76-85.	4.4	3