

Akif Zeb

List of Publications by Year in descending order

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42
papers

1,352
citations

279798

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docs citations

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times ranked

1869
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#	ARTICLE	IF	CITATIONS
1	Interfacial Engineering of Defect-Rich and Multi-Heteroatom-Doped Metal-Organic Framework-Derived Manganese Fluoride Anodes to Boost Lithium Storage. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	4
2	Carbon-encapsulated anionic-defective MnO/Ni open microcages: A hierarchical stress-release engineering for superior lithium storage. , 2023, 5, .		13
3	Metal-Organic Frameworks and Their Derivatives as Cathodes for Lithium-Ion Battery Applications: A Review. <i>Electrochemical Energy Reviews</i> , 2022, 5, 312-347.	25.5	75
4	Recent progress in Co-based metal-organic framework derivatives for advanced batteries. <i>Journal of Materials Science and Technology</i> , 2022, 96, 262-284.	10.7	45
5	Nanostructural synergism as Mn N C channels in manganese (IV) oxide and fluffy g-C ₃ N ₄ layered composite with exceptional catalytic capabilities. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 258-270.	9.4	2
6	Rational Design of Bimetallic Zeolitic Imidazolate Framework-Derived C, N Dual-Doped ZnO/Co for Boosting Lithium Storage. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	1
7	Fe-Based metal-organic frameworks as functional materials for battery applications. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 827-844.	6.0	24
8	Metal-organic frameworks and their derivatives as electrode materials for Li-ion batteries: a mini review. <i>CrystEngComm</i> , 2022, 24, 2729-2743.	2.6	14
9	Recent advances in Fe-based metal-organic framework derivatives for battery applications. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2665-2691.	4.9	15
10	Recent Advances in Cu-Based Metal-Organic Frameworks and Their Derivatives for Battery Applications. <i>ACS Applied Energy Materials</i> , 2022, 5, 7842-7873.	5.1	11
11	Metal-organic framework-based materials for full cell systems: a review. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11030-11058.	5.5	26
12	A review on metal-organic framework-derived anode materials for potassium-ion batteries. <i>Dalton Transactions</i> , 2021, 50, 9669-9684.	3.3	13
13	Cobalt-based metal-organic frameworks as functional materials for battery applications. <i>CrystEngComm</i> , 2021, 23, 5140-5152.	2.6	3
14	Metal-organic frameworks and their derivatives as electrode materials for potassium ion batteries: A review. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214118.	18.8	49
15	Oxygen vacancy engineering of carbon-encapsulated (Co,Mn)(Co,Mn) ₂ O ₄ from metal-organic framework towards boosted lithium storage. <i>Chemical Engineering Journal</i> , 2021, 425, 130661.	12.7	29
16	Nickel-based metal-organic framework-derived Ni/NC/KB as a separator coating for high capacity lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 6372-6380.	4.9	6
17	Application of MOF-derived transition metal oxides and composites as anodes for lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4939-4955.	6.0	61
18	Nanostructured Iron Fluoride Derived from Fe-Based Metal-Organic Framework for Lithium Ion Battery Cathodes. <i>Inorganic Chemistry</i> , 2020, 59, 12700-12710.	4.0	30

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19	Preparation and properties of hierarchical Al ³⁺ /Mg layered double hydroxides as UV resistant hydroxalcite. <i>Materials Chemistry and Physics</i> , 2020, 256, 123630.	4.0	7
20	A Hybrid VO ₂ Incorporated Hexacyanoferrate Nanostructured Hydrogel as a Multienzyme Mimetic <i>via</i> Cascade Reactions. <i>ACS Nano</i> , 2020, 14, 3017-3031.	14.6	53
21	Binary cobalt-iron oxides magnetic nanocomposites embedded porous carbon lawn with inherent N doping as promising electrode material for supercapacitors and Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113344.	3.8	5
22	Synthesis and characterization of novel coral-like hollow CeO ₂ nanostructures and their potential as peroxidase mimics. <i>Solid State Sciences</i> , 2019, 97, 106011.	3.2	6
23	Plasmonic MoO ₃ nanoparticles incorporated in Prussian blue frameworks exhibit highly efficient dual photothermal/photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2032-2042.	5.8	51
24	Hydrogen-bonding-assisted charge transfer: significantly enhanced photocatalytic H ₂ evolution over g-C ₃ N ₄ anchored with ferrocene-based hole relay. <i>Catalysis Science and Technology</i> , 2018, 8, 2853-2859.	4.1	28
25	Intrinsic peroxidase-like activity and enhanced photo-Fenton reactivity of iron-substituted polyoxometallate nanostructures. <i>Dalton Transactions</i> , 2018, 47, 7344-7352.	3.3	39
26	Enhanced Electrocatalytic Performance of Pt ₃ Pd ₁ Alloys Supported on CeO ₂ /C for Methanol Oxidation and Oxygen Reduction Reactions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2069-2079.	3.1	65
27	Pd/TiO Nanocatalyst with Strong Metal-Support Interaction for Highly Efficient Durable Heterogeneous Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1162-1170.	3.1	54
28	One-Step Growth of Iron-Nickel Bimetallic Nanoparticles on FeNi Alloy Foils: Highly Efficient Advanced Electrodes for the Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28627-28634.	8.0	116
29	Highly dispersed ultra-small Pd nanoparticles on gadolinium hydroxide nanorods for efficient hydrogenation reactions. <i>Nanoscale</i> , 2017, 9, 13800-13807.	5.6	72
30	Catalytic Conversion of Biomass into Hydrocarbons over Noble-Metal-Free VO ₂ -Substituted Potassium Salt of Phosphotungstic Acid. <i>ChemistrySelect</i> , 2017, 2, 8625-8631.	1.5	3
31	Carbon nitride embedded MnO ₂ nanospheres decorated with low-content Pt nanoparticles as highly efficient and durable electrode material for solid state supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 84-91.	3.8	8
32	Highly efficient sustainable photocatalytic Z-scheme hydrogen production from an Fe_2O_3 engineered ZnCdS heterostructure. <i>Journal of Catalysis</i> , 2017, 353, 81-88.	6.2	78
33	Enhanced Fenton, photo-Fenton and peroxidase-like activity and stability over Fe ₃ O ₄ /g-C ₃ N ₄ nanocomposites. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2110-2119.	14.0	43
34	Multifunctional flexible free-standing titanate nanobelt membranes as efficient sorbents for the removal of radioactive ⁹⁰ Sr ²⁺ and ¹³⁷ Cs ⁺ ions and oils. <i>Scientific Reports</i> , 2016, 6, 20920.	3.3	52
35	Single Phase PtAg Bimetallic Alloy Nanoparticles Highly Dispersed on Reduced Graphene Oxide for Electrocatalytic Application of Methanol Oxidation Reaction. <i>Electrochimica Acta</i> , 2016, 197, 117-125.	5.2	64
36	Highly Efficient Fenton and Enzyme-Mimetic Activities of Mixed-Phase VO ₂ Nanoflakes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30126-30132.	8.0	61

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37	Synergistic effect of graphene and multi-walled carbon nanotubes composite supported Pd nanocubes on enhancing catalytic activity for electro-oxidation of formic acid. <i>Catalysis Science and Technology</i> , 2016, 6, 4794-4801.	4.1	38
38	Ultra-Low PtRu Fabrication on Graphene Oxide Supported Pd Nanoparticles with Enhanced Anodic Performance for Direct Methanol Fuel Cells. <i>Energy and Environment Focus</i> , 2016, 5, 299-304.	0.3	0
39	Arsenic Removal from Aqueous Solution Using Pure and Metal-Doped Titania Nanoparticles Coated on Glass Beads: Adsorption and Column Studies. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-17.	2.7	27
40	Heavy metal pollution assessment in various industries of Pakistan. <i>Environmental Geology</i> , 2008, 55, 353-358.	1.2	58
41	A metal-organic framework approach to engineer mesoporous ZnMnO ₃ /C towards enhanced lithium storage. <i>Sustainable Energy and Fuels</i> , 0, , .	4.9	3
42	Synthesis of Multicatalytic Nano-Magnetic Ceria with a Double <i>in situ</i> Hydrothermal Method for Phosphate Ions Removal and Peroxidase Mimicking. <i>Nano</i> , 0, , .	1.0	0