

Syed Shoaib Ahmad Shah

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.

93
papers

2,230
citations

27
h-index

43
g-index

98
ext. papers

3,291
ext. citations

6.4
avg, IF

5.81
L-index

#	Paper	IF	Citations
93	Optimizing MOF electrocatalysis by metal sequence coding. <i>Chem Catalysis</i> , 2022 , 2, 3-5		0
92	Metal organic frameworks for efficient catalytic conversion of CO ₂ and CO into applied products. <i>Molecular Catalysis</i> , 2022 , 517, 112055	3.3	4
91	Kinetics, isothermal and mechanistic insight into the adsorption of eosin yellow and malachite green from water via tri-metallic layered double hydroxide nanosheets. <i>Korean Journal of Chemical Engineering</i> , 2022 , 39, 216-226	2.8	7
90	Surface engineering of MOF-derived FeCo/NC core-shell nanostructures to enhance alkaline water-splitting. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 5036-5043	6.7	2
89	Strategic combination of metal-organic frameworks and CN for expeditious photocatalytic degradation of dye pollutants.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	4
88	Metal-Organic Frameworks Derived Electrocatalysts for Oxygen and Carbon Dioxide Reduction Reaction.. <i>Chemical Record</i> , 2022 , e202100329	6.6	5
87	Synthesis and nano-engineering of MXenes for energy conversion and storage applications: Recent advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2022 , 454, 214339	23.2	10
86	Identification of Catalytic Active Sites for Durable Proton Exchange Membrane Fuel Cell: Catalytic Degradation and Poisoning Perspectives.. <i>Small</i> , 2022 , e2106279	11	4
85	Photo-Fenton activated C ₃ N ₄ x/AgOy@Co _{1-x} Bi _{0.1-y} O ₇ dual s-scheme heterojunction towards degradation of organic pollutants. <i>Optical Materials</i> , 2022 , 126, 112199	3.3	9
84	Metallic nanoparticles for catalytic reduction of toxic hexavalent chromium from aqueous medium: A state-of-the-art review.. <i>Science of the Total Environment</i> , 2022 , 154475	10.2	3
83	Modulating the electronic structure of zinc single atom catalyst by P/N coordination and Co ₂ P supports for efficient oxygen reduction in Zn-Air battery. <i>Chemical Engineering Journal</i> , 2022 , 440, 135928	14.7	1
82	Carbon Dots-Induced Carbon-Coated Ni and Mo ₂ N nanosheets for Efficient Hydrogen Production. <i>Electrochimica Acta</i> , 2022 , 140671	6.7	0
81	Nanostructure Engineering of Metal-Organic Derived Frameworks: Cobalt Phosphide Embedded in Carbon Nanotubes as an Efficient ORR Catalyst. <i>Molecules</i> , 2021 , 26,	4.8	3
80	Single-atom catalysis for Zinc-air/O ₂ Batteries, Water Electrolyzers and Fuel Cells applications. <i>Energy Storage Materials</i> , 2021 ,	19.4	11
79	Single-atom Catalysts for Next-generation Rechargeable Batteries and Fuel Cells. <i>Energy Storage Materials</i> , 2021 , 45, 301-301	19.4	11
78	Effect of metal atom in zeolitic imidazolate frameworks (ZIF-8 & 67) for removal of Pb & Hg from water. <i>Food and Chemical Toxicology</i> , 2021 , 149, 112008	4.7	25
77	Facile synthesis of ceria-based composite oxide materials by combustion for high-performance solid oxide fuel cells. <i>Ceramics International</i> , 2021 , 47, 22035-22035	5.1	3

76	Combining structurally ordered intermetallic nodes: Kinetic and isothermal studies for removal of malachite green and methyl orange with mechanistic aspects. <i>Microchemical Journal</i> , 2021 , 164, 105973	4.8	30
75	Novel Mn-/Co-N Moieties Captured in N-Doped Carbon Nanotubes for Enhanced Oxygen Reduction Activity and Stability in Acidic and Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23191-23200	9.5	20
74	2D MXene Materials for Sodium Ion Batteries: A review on Energy Storage. <i>Journal of Energy Storage</i> , 2021 , 37, 102478	7.8	19
73	Energy storage performance of binder-free ruthenium-oxide nano-needles based free-standing electrode in neutral pH electrolytes. <i>Electrochimica Acta</i> , 2021 , 378, 138139	6.7	6
72	Nanoscale ZrRGOCuFe layered double hydroxide composites for enhanced photocatalytic degradation of dye contaminant. <i>Materials Science in Semiconductor Processing</i> , 2021 , 128, 105748	4.3	13
71	One-step synthesis of carbon incorporated 3D MnO ₂ nanorods as a highly efficient electrode material for pseudocapacitors. <i>Materials Letters</i> , 2021 , 295, 129838	3.3	10
70	Charge storage in binder-free 2D-hexagonal CoMoO ₄ nanosheets as a redox active material for pseudocapacitors. <i>Ceramics International</i> , 2021 , 47, 8659-8667	5.1	46
69	Fabrication of Periodic Mesoporous Organo Silicate (PMOS) composites of Ag and ZnO: Photo-catalytic degradation of methylene blue and methyl orange. <i>Inorganic Chemistry Communication</i> , 2021 , 123, 108357	3.1	27
68	High-performance flexible supercapatteries enabled by binder-free two-dimensional mesoporous ultrathin nickel-ferrite nanosheets. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3436-3447	7.8	9
67	Water-stable metal-organic framework for environmental remediation 2021 , 585-621		2
66	Metal-Organic Framework-Derived Catalysts for Zn-Air Batteries 2021 , 2475-2489		
65	Partially oxidized cobalt species in nitrogen-doped carbon nanotubes: Enhanced catalytic performance to water-splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 8864-8870	6.7	13
64	Tellurium Triggered Formation of Te/Fe-NiOOH Nanocubes as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10972-10978	8.5	47
63	Energy storage properties of hydrothermally processed ultrathin 2D binder-free ZnCoO nanosheets. <i>Nanotechnology</i> , 2021 , 32,	3.4	7
62	The nexus of industrialization, GDP per capita and CO ₂ emission in China. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101674	7	12
61	Synthesis of porous secondary metal-doped MOFs for removal of Rhodamine B from water: Role of secondary metal on efficiency and kinetics. <i>Surfaces and Interfaces</i> , 2021 , 25, 101261	4.1	14
60	Design and Fabrication of Highly Porous 2D Bimetallic Sulfide ZnS/FeS Composite Nanosheets as an Advanced Negative Electrode Material for Supercapacitors. <i>Energy & Fuels</i> , 2021 , 35, 15185-15191	4.1	5
59	Significant Reduction in Interface Resistance and Super-Enhanced Performance of Lithium-Metal Battery by In Situ Construction of Poly(vinylidene fluoride)-Based Solid-State Membrane with Dual Ceramic Fillers. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8604-8614	6.1	6

58	Salt-assisted gas-liquid interfacial fluorine doping: Metal-free defect-induced electrocatalyst for oxygen reduction reaction. <i>Molecular Catalysis</i> , 2021 , 514, 111878	3.3	4
57	2D V ₂ O ₅ nanoflakes as a binder-free electrode material for high-performance pseudocapacitor. <i>Ceramics International</i> , 2021 , 47, 25152-25157	5.1	15
56	Novel 2D vanadium oxysulfide nano-spindles decorated carbon textile composite as an advanced electrode for high-performance pseudocapacitors. <i>Materials Letters</i> , 2021 , 303, 130478	3.3	8
55	Nanostructure engineering by surficial induced approach: Porous metal oxide-carbon nanotube composite for lithium-ion battery. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 273, 115417	3.1	1
54	Recent Advances in Synthesis and Applications of Single-Atom Catalysts for Rechargeable Batteries.. <i>Chemical Record</i> , 2021 ,	6.6	1
53	High-performance flexible hybrid-supercapacitor enabled by pairing binder-free ultrathin NiCo ₂ D nanosheets and metal-organic framework derived N-doped carbon nanosheets. <i>Electrochimica Acta</i> , 2020 , 349, 136384	6.7	25
52	Nano-engineering of prussian blue analogues to core-shell architectures: Enhanced catalytic activity for zinc-air battery. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 89-95	9.3	18
51	Insights to pseudocapacitive charge storage of binary metal-oxide nanobelts decorated activated carbon cloth for highly-flexible hybrid-supercapacitors. <i>Journal of Energy Storage</i> , 2020 , 31, 101602	7.8	11
50	A metal free electrocatalyst for high-performance zinc-air battery applications with good resistance towards poisoning species. <i>Carbon</i> , 2020 , 164, 12-18	10.4	26
49	Nano-engineered directed growth of Mn ₃ O ₄ quasi-nanocubes on N-doped polyhedrons: Efficient electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 12903-12910 ²⁷	6.7	27
48	Metal-Organic Framework-Derived Catalysts for Zn-Air Batteries 2020 , 1-15		2
47	Recent advances on oxygen reduction electrocatalysis: Correlating the characteristic properties of metal organic frameworks and the derived nanomaterials. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118570	21.8	85
46	A new insight into the effect of scan rate and mass transport from Pt rotating disk electrode on the electrochemical oxidation process of methanol. <i>Materials Letters</i> , 2020 , 260, 126950	3.3	10
45	Engineering of Zirconium based metal-organic frameworks (Zr-MOFs) as efficient adsorbents. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020 , 262, 114766	3.1	42
44	Development of Mn-PBA on GO sheets for adsorptive removal of ciprofloxacin from water: Kinetics, isothermal, thermodynamic and mechanistic studies. <i>Materials Chemistry and Physics</i> , 2020 , 245, 122737	4.4	34
43	Distinctive flower-like CoNi ₂ S ₄ nanoneedle arrays (CNSNAs) for superior supercapacitor electrode performances. <i>Ceramics International</i> , 2020 , 46, 25942-25948	5.1	29
42	Achieving high-energy density and superior cyclic stability in flexible and lightweight pseudocapacitor through synergic effects of binder-free CoGa ₂ O ₄ 2D-hexagonal nanoplates. <i>Nano Energy</i> , 2020 , 77, 105276	17.1	54
41	Efficient removal of norfloxacin by MOF@GO composite: isothermal, kinetic, statistical, and mechanistic study. <i>Toxin Reviews</i> , 2020 , 1-13	2.3	8

40	Quality assessment of the noncarbonated-bottled drinking water: comparison of their treatment techniques. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-12	1.8	13
39	Synthesis, characterization and applications of silylation based grafted bentonites for the removal of Sudan dyes: Isothermal, kinetic and thermodynamic studies. <i>Microporous and Mesoporous Materials</i> , 2020 , 291, 109697	5.3	38
38	Mesoporous manganese-selenide microflowers with enhanced electrochemical performance as a flexible symmetric 1.8 V supercapacitor. <i>Chemical Engineering Journal</i> , 2020 , 382, 122814	14.7	50
37	Surface induced growth of ZIF-67 at Co-layered double hydroxide: Removal of methylene blue and methyl orange from water. <i>Applied Clay Science</i> , 2020 , 190, 105564	5.2	50
36	Electron penetration from metal core to metal species attached skin in nitrogen-doped core-shell catalyst for enhancing oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 327, 134939	6.7	27
35	An ultra-high energy density flexible asymmetric supercapacitor based on hierarchical fabric decorated with 2D bimetallic oxide nanosheets and MOF-derived porous carbon polyhedra. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 946-957	13	148
34	Self-standing FeCo Prussian blue analogue derived FeCo/C and FeCoP/C nanosheet arrays for cost-effective electrocatalytic water splitting. <i>Electrochimica Acta</i> , 2019 , 302, 45-55	6.7	48
33	Role of P-doping in Antipoisoning: Efficient MOF-Derived 3D Hierarchical Architectures for the Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16796-16803	3.8	34
32	Synthesis of mesoporous defective graphene-nanosheets in a space-confined self-assembled nanoreactor: Highly efficient capacitive energy storage. <i>Electrochimica Acta</i> , 2019 , 305, 517-527	6.7	35
31	Inert VO oxide promotes the electrocatalytic activity of Ni metal for alkaline hydrogen evolution. <i>Chemical Communications</i> , 2019 , 55, 3290-3293	5.8	23
30	Decoration of cobalt/iron oxide nanoparticles on N-doped carbon nanosheets: Electrochemical performances for lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 433-442	2.6	21
29	Enhancing by nano-engineering: Hierarchical architectures as oxygen reduction/ evolution reactions for zinc-air batteries. <i>Journal of Power Sources</i> , 2019 , 438, 226919	8.9	34
28	Synthesis and spectroscopic characterization of medicinal azo derivatives and metal complexes of Indandion. <i>Journal of Molecular Structure</i> , 2019 , 1198, 126885	3.4	13
27	FeCo-Nx encapsulated in 3D interconnected N-doped carbon nanotubes for ultra-high performance lithium-ion batteries and flexible solid-state symmetric supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 855, 113615	4.1	23
26	Design and synthesis of conductive carbon polyhedrons enriched with Mn-Oxide active-centres for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018 , 272, 169-175	6.7	34
25	An overview on the progress and development on metals/non-metal catalyzed cyanation reactions. <i>Inorganica Chimica Acta</i> , 2018 , 469, 408-423	2.7	28
24	Recent developments in metal phosphide and sulfide electrocatalysts for oxygen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1575-1593	11.3	134
23	Exploring Fe-N for Peroxide Reduction: Template-Free Synthesis of Fe-N Traumatized Mesoporous Carbon Nanotubes as an ORR Catalyst in Acidic and Alkaline Solutions. <i>Chemistry - A European Journal</i> , 2018 , 24, 10630-10635	4.8	59

22	Nano-Metal Organic Frame Work an Excellent Tool for Biomedical Imaging. <i>Current Medical Imaging</i> , 2018 , 14, 669-674	1.2	13
21	Improving the electrocatalytic activity for hydrogen evolution reaction by lowering the electrochemical impedance of RuO ₂ /Ni-P. <i>Electrochimica Acta</i> , 2018 , 260, 358-364	6.7	17
20	An Efficient Anti-poisoning Catalyst against SO _x , NO _x , and PO _x : P, N-Doped Carbon for Oxygen Reduction in Acidic Media. <i>Angewandte Chemie</i> , 2018 , 130, 15321-15326	3.6	17
19	An Efficient Anti-poisoning Catalyst against SO ₂ , NO ₂ , and PO ₂ : P, N-Doped Carbon for Oxygen Reduction in Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15101-15106	16.4	81
18	Kinetically controlled synthesis of MOF nanostructures: single-holed hollow core-shell ZnCoS@Co ₉ S ₈ /NC for ultra-high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14083-14090	13	93
17	Highly active electrocatalysis of hydrogen evolution reaction in alkaline medium by Ni ₂ P alloy: A capacitance-activity relationship. <i>Journal of Energy Chemistry</i> , 2017 , 26, 1245-1251	12	23
16	Monodispersed Co in Mesoporous Polyhedrons: Fine-tuning of ZIF-8 Structure with Enhanced Oxygen Reduction Activity. <i>Electrochimica Acta</i> , 2017 , 251, 498-504	6.7	73
15	Esters of Quinoxaline 1,4-Di-oxide with Cytotoxic Activity on Tumor Cell Lines Based on NCI-60 Panel. <i>Iranian Journal of Pharmaceutical Research</i> , 2017 , 16, 953-965	1.1	3
14	Synthesis and Biological Activities of Organotin(IV) Complexes as Antitumoral and Antimicrobial Agents. A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015 , 15, 406-26	3.2	35
13	Synthetic thioamide, benzimidazole, quinolone and derivatives with carboxylic acid and ester moieties: a strategy in the design of antituberculosis agents. <i>Current Medicinal Chemistry</i> , 2014 , 21, 911-917	4.3	7
12	DNA binding mode of transition metal complexes, a relationship to tumor cell toxicity. <i>Current Medicinal Chemistry</i> , 2014 , 21, 3081-94	4.3	14
11	Natural products; pharmacological importance of family Cucurbitaceae: a brief review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 694-705	3.2	15
10	Synthesis of Sulfonamides, Metal Complexes and the Study of In vitro Biological Activities. <i>Current Bioactive Compounds</i> , 2014 , 9, 211-220	0.9	6
9	Recent Advances in Medicinal Chemistry of Sulfonamides. Rational Design as Anti-Tumoral, Anti-Bacterial and Anti-Inflammatory Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 70-86	3.2	114
8	Synthetic Routes of Sulfonamide Derivatives: A Brief Review. <i>Mini-Reviews in Organic Chemistry</i> , 2013 , 10, 160-170	1.7	32
7	Recent advances in medicinal chemistry of sulfonamides. Rational design as anti-tumoral, anti-bacterial and anti-inflammatory agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 70-86	3.2	27
6	Recent Advances in Medicinal Chemistry of Sulfonamides. Rational Design as Anti-Tumoral, Anti-Bacterial and Anti-Inflammatory Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 13, 70-86	3.2	11
5	Synthesis of nanoadsorbent entailed mesoporous organosilica for decontamination of methylene blue and methyl orange from water. <i>International Journal of Environmental Analytical Chemistry</i> , 1-14	1.8	4

4	Enhanced adsorption removal of methyl orange from water by porous bimetallic Ni/Co MOF composite: a systematic study of adsorption kinetics. <i>International Journal of Environmental Analytical Chemistry</i> ,1-16	1.8	8
3	Synthesis and characterization of water stable polymeric metallo organic composite (PMOC) for the removal of arsenic and lead from brackish water. <i>Toxin Reviews</i> ,1-11	2.3	11
2	Metal-Organic Framework-Based Electrocatalysts for CO ₂ Reduction. <i>Small Structures</i> ,2100090	8.7	20
1	The Emergence of 2D MXenes Based Zn-Ion Batteries: Recent Development and Prospects. <i>Small</i> ,2201989	9.2	4