Syed Shoaib Ahmad Shah

List of Publications by Citations

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	An ultra-high energy density flexible asymmetric supercapacitor based on hierarchical fabric decorated with 2D bimetallic oxide nanosheets and MOF-derived porous carbon polyhedra. *Journal of Materials Chemistry A*, **2019**, 7, 946-957	13	148
92	Recent developments in metal phosphide and sulfide electrocatalysts for oxygen evolution reaction. *Chinese Journal of Catalysis*, **2018**, 39, 1575-1593	11.3	134
91	Recent Advances in Medicinal Chemistry of Sulfonamides. Rational Design as Anti-Tumoral, Anti-Bacterial and Anti-Inflammatory Agents. *Mini-Reviews in Medicinal Chemistry*, **2013**, 13, 70-86	3.2	114
90	Kinetically controlled synthesis of MOF nanostructures: single-holed hollow core□shell ZnCoS@Co9S8/NC for ultra-high performance lithium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 14083-14090	13	93
89	Recent advances on oxygen reduction electrocatalysis: Correlating the characteristic properties of metal organic frameworks and the derived nanomaterials. *Applied Catalysis B: Environmental*, **2020**, 268, 118570	21.8	85
88	An Efficient Anti-poisoning Catalyst against SO , NO , and PO : P, N-Doped Carbon for Oxygen Reduction in Acidic Media. *Angewandte Chemie - International Edition*, **2018**, 57, 15101-15106	16.4	81
87	Monodispersed Co in Mesoporous Polyhedrons: Fine-tuning of ZIF-8 Structure with Enhanced Oxygen Reduction Activity. *Electrochimica Acta*, **2017**, 251, 498-504	6.7	73
86	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. *Chemistry - A European Journal*, **2018**, 24, 10630-10635	4.8	59
85	Achieving high-energy density and superior cyclic stability in flexible and lightweight pseudocapacitor through synergic effects of binder-free CoGa2O4 2D-hexagonal nanoplates. *Nano Energy*, **2020**, 77, 105276	17.1	54
84	Mesoporous manganese-selenide microflowers with enhanced electrochemical performance as a flexible symmetric 1.8 V supercapacitor. *Chemical Engineering Journal*, **2020**, 382, 122814	14.7	50
83	Surface induced growth of ZIF-67 at Co-layered double hydroxide: Removal of methylene blue and methyl orange from water. *Applied Clay Science*, **2020**, 190, 105564	5.2	50
82	Self-standing FeCo Prussian blue analogue derived FeCo/C and FeCoP/C nanosheet arrays for cost-effective electrocatalytic water splitting. *Electrochimica Acta*, **2019**, 302, 45-55	6.7	48
81	Tellurium Triggered Formation of Te/Fe-NiOOH Nanocubes as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2021**, 13, 10972-10978	8.5	47
80	Charge storage in binder-free 2D-hexagonal CoMoO4 nanosheets as a redox active material for pseudocapacitors. *Ceramics International*, **2021**, 47, 8659-8667	5.1	46
79	Engineering of Zirconium based metal-organic frameworks (Zr-MOFs) as efficient adsorbents. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2020**, 262, 114766	3.1	42
78	Synthesis, characterization and applications of silylation based grafted bentonites for the removal of Sudan dyes: Isothermal, kinetic and thermodynamic studies. *Microporous and Mesoporous Materials*, **2020**, 291, 109697	5.3	38
77	Synthesis of mesoporous defective graphene-nanosheets in a space-confined self-assembled nanoreactor: Highly efficient capacitive energy storage. *Electrochimica Acta*, **2019**, 305, 517-527	6.7	35

76	Synthesis and Biological Activities of Organotin(IV) Complexes as Antitumoral and Antimicrobial Agents. A Review. *Mini-Reviews in Medicinal Chemistry*, **2015**, 15, 406-26	3.2	35
75	Role of P-doping in Antipoisoning: Efficient MOF-Derived 3D Hierarchical Architectures for the Oxygen Reduction Reaction. *Journal of Physical Chemistry C*, **2019**, 123, 16796-16803	3.8	34
74	Design and synthesis of conductive carbon polyhedrons enriched with Mn-Oxide active-centres for oxygen reduction reaction. *Electrochimica Acta*, **2018**, 272, 169-175	6.7	34
73	Enhancing by nano-engineering: Hierarchical architectures as oxygen reduction/ evolution reactions for zinc-air batteries. *Journal of Power Sources*, **2019**, 438, 226919	8.9	34
72	Development of Mn-PBA on GO sheets for adsorptive removal of ciprofloxacin from water: Kinetics, isothermal, thermodynamic and mechanistic studies. *Materials Chemistry and Physics*, **2020**, 245, 122737	4.4	34
71	Synthetic Routes of Sulfonamide Derivatives: A Brief Review. *Mini-Reviews in Organic Chemistry*, **2013**, 10, 160-170	1.7	32
70	Combining structurally ordered intermetallic nodes: Kinetic and isothermal studies for removal of malachite green and methyl orange with mechanistic aspects. *Microchemical Journal*, **2021**, 164, 105973	4.8	30
69	Distinctive flower-like CoNi2S4 nanoneedle arrays (CNSNAs) for superior supercapacitor electrode performances. *Ceramics International*, **2020**, 46, 25942-25948	5.1	29
68	An overview on the progress and development on metals/non-metal catalyzed cyanation reactions. *Inorganica Chimica Acta*, **2018**, 469, 408-423	2.7	28
67	Electron penetration from metal core to metal species attached skin in nitrogen-doped core-shell catalyst for enhancing oxygen evolution reaction. *Electrochimica Acta*, **2019**, 327, 134939	6.7	27
66	Nano-engineered directed growth of Mn3O4 quasi-nanocubes on N-doped polyhedrons: Efficient electrocatalyst for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2020**, 45, 12903-12910	6.7	27
65	Fabrication of Periodic Mesoporous Organo Silicate (PMOS) composites of Ag and ZnO: Photo-catalytic degradation of methylene blue and methyl orange. *Inorganic Chemistry Communication*, **2021**, 123, 108357	3.1	27
64	Recent advances in medicinal chemistry of sulfonamides. Rational design as anti-tumoral, anti-bacterial and anti-inflammatory agents. *Mini-Reviews in Medicinal Chemistry*, **2013**, 13, 70-86	3.2	27
63	A metal free electrocatalyst for high-performance zinc-air battery applications with good resistance towards poisoning species. *Carbon*, **2020**, 164, 12-18	10.4	26
62	High-performance flexible hybrid-supercapacitor enabled by pairing binder-free ultrathin NiCoD nanosheets and metal-organic framework derived N-doped carbon nanosheets. *Electrochimica Acta*, **2020**, 349, 136384	6.7	25
61	Effect of metal atom in zeolitic imidazolate frameworks (ZIF-8 & 67) for removal of Pb & Hg from water. *Food and Chemical Toxicology*, **2021**, 149, 112008	4.7	25
60	Highly active electrocatalysis of hydrogen evolution reaction in alkaline medium by NiP alloy: A capacitance-activity relationship. *Journal of Energy Chemistry*, **2017**, 26, 1245-1251	12	23
59	Inert VO oxide promotes the electrocatalytic activity of Ni metal for alkaline hydrogen evolution. *Chemical Communications*, **2019**, 55, 3290-3293	5.8	23

58	FeCo-Nx encapsulated in 3D interconnected N-doped carbon nanotubes for ultra-high performance lithium-ion batteries and flexible solid-state symmetric supercapacitors. *Journal of Electroanalytical Chemistry*, **2019**, 855, 113615	4.1	23
57	Decoration of cobalt/iron oxide nanoparticles on N-doped carbon nanosheets: Electrochemical performances for lithium-ion batteries. *Journal of Applied Electrochemistry*, **2019**, 49, 433-442	2.6	21
56	Novel Mn-/Co-N Moieties Captured in N-Doped Carbon Nanotubes for Enhanced Oxygen Reduction Activity and Stability in Acidic and Alkaline Media. *ACS Applied Materials & Interfaces*, **2021**, 13, 23191-23200	9.5	20
55	Metal□Organic Framework-Based Electrocatalysts for CO2 Reduction. *Small Structures*,2100090	8.7	20
54	2D MXene Materials for Sodium Ion Batteries: A review on Energy Storage. *Journal of Energy Storage*, **2021**, 37, 102478	7.8	19
53	Nano-engineering of prussian blue analogues to core-shell architectures: Enhanced catalytic activity for zinc-air battery. *Journal of Colloid and Interface Science*, **2020**, 578, 89-95	9.3	18
52	Improving the electrocatalytic activity for hydrogen evolution reaction by lowering the electrochemical impedance of RuO2/Ni-P. *Electrochimica Acta*, **2018**, 260, 358-364	6.7	17
51	An Efficient Anti-poisoning Catalyst against SOx, NOx, and POx: P, N-Doped Carbon for Oxygen Reduction in Acidic Media. *Angewandte Chemie*, **2018**, 130, 15321-15326	3.6	17
50	Natural products; pharmacological importance of family Cucurbitaceae: a brief review. *Mini-Reviews in Medicinal Chemistry*, **2014**, 14, 694-705	3.2	15
49	2D V2O5 nanoflakes as a binder-free electrode material for high-performance pseudocapacitor. *Ceramics International*, **2021**, 47, 25152-25157	5.1	15
48	DNA binding mode of transition metal complexes, a relationship to tumor cell toxicity. *Current Medicinal Chemistry*, **2014**, 21, 3081-94	4.3	14
47	Synthesis of porous secondary metal-doped MOFs for removal of Rhodamine B from water: Role of secondary metal on efficiency and kinetics. *Surfaces and Interfaces*, **2021**, 25, 101261	4.1	14
46	Synthesis and spectroscopic characterization of medicinal azo derivatives and metal complexes of Indandion. *Journal of Molecular Structure*, **2019**, 1198, 126885	3.4	13
45	Nano-Metal Organic Frame Work an Excellent Tool for Biomedical Imaging. *Current Medical Imaging* , **2018**, 14, 669-674	1.2	13
44	Quality assessment of the noncarbonated-bottled drinking water: comparison of their treatment techniques. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-12	1.8	13
43	Nanoscale ZrRGOCuFe layered double hydroxide composites for enhanced photocatalytic degradation of dye contaminant. *Materials Science in Semiconductor Processing*, **2021**, 128, 105748	4.3	13
42	Partially oxidized cobalt species in nitrogen-doped carbon nanotubes: Enhanced catalytic performance to water-splitting. *International Journal of Hydrogen Energy*, **2021**, 46, 8864-8870	6.7	13
41	The nexus of industrialization, GDP per capita and CO2 emission in China. *Environmental Technology and Innovation*, **2021**, 23, 101674	7	12

40	Insights to pseudocapacitive charge storage of binary metal-oxide nanobelts decorated activated carbon cloth for highly-flexible hybrid-supercapacitors. *Journal of Energy Storage*, **2020**, 31, 101602	7.8	11
39	Single-atom catalysis for Zinc-air/O2 Batteries, Water Electrolyzers and Fuel Cells applications. *Energy Storage Materials*, **2021**,	19.4	11
38	Single-atom Catalysts for Next-generation Rechargeable Batteries and Fuel Cells. *Energy Storage Materials*, **2021**, 45, 301-301	19.4	11
37	Recent Advances in Medicinal Chemistry of Sulfonamides. Rational Design as Anti-Tumoral, Anti-Bacterial and Anti-Inflammatory Agents. *Mini-Reviews in Medicinal Chemistry*, **2012**, 13, 70-86	3.2	11
36	Synthesis and characterization of water stable polymeric metallo organic composite (PMOC) for the removal of arsenic and lead from brackish water. *Toxin Reviews*,1-11	2.3	11
35	Synthesis and nano-engineering of MXenes for energy conversion and storage applications: Recent advances and perspectives. *Coordination Chemistry Reviews*, **2022**, 454, 214339	23.2	10
34	A new insight into the effect of scan rate and mass transport from Pt rotating disk electrode on the electrochemical oxidation process of methanol. *Materials Letters*, **2020**, 260, 126950	3.3	10
33	One-step synthesis of carbon incorporated 3D MnO2 nanorods as a highly efficient electrode material for pseudocapacitors. *Materials Letters*, **2021**, 295, 129838	3.3	10
32	High-performance flexible supercapatteries enabled by binder-free two-dimensional mesoporous ultrathin nickel-ferrite nanosheets. *Materials Chemistry Frontiers*, **2021**, 5, 3436-3447	7.8	9
31	Photo-Fenton activated C3N4x/AgOy@Co1-xBi0.1-yO7 dual s-scheme heterojunction towards degradation of organic pollutants. *Optical Materials*, **2022**, 126, 112199	3.3	9
30	Efficient removal of norfloxacin by MOF@GO composite: isothermal, kinetic, statistical, and mechanistic study. *Toxin Reviews*, **2020**, 1-13	2.3	8
29	Enhanced adsorption removal of methyl orange from water by porous bimetallic Ni/Co MOF composite: a systematic study of adsorption kinetics. *International Journal of Environmental Analytical Chemistry*,1-16	1.8	8
28	Novel 2D vanadium oxysulfide nano-spindles decorated carbon textile composite as an advanced electrode for high-performance pseudocapacitors. *Materials Letters*, **2021**, 303, 130478	3.3	8
27	Kinetics, isothermal and mechanistic insight into the adsorption of eosin yellow and malachite green from water via tri-metallic layered double hydroxide nanosheets. *Korean Journal of Chemical Engineering*, **2022**, 39, 216-226	2.8	7
26	Synthetic thioamide, benzimidazole, quinolone and derivatives with carboxylic acid and ester moieties: a strategy in the design of antituberculosis agents. *Current Medicinal Chemistry*, **2014**, 21, 911-31	4.3	7
25	Energy storage properties of hydrothermally processed ultrathin 2D binder-free ZnCoOnanosheets. *Nanotechnology*, **2021**, 32,	3.4	7
24	Synthesis of Sulfonamides, Metal Complexes and the Study of In vitro Biological Activities. *Current Bioactive Compounds*, **2014**, 9, 211-220	0.9	6
23	Energy storage performance of binder-free ruthenium-oxide nano-needles based free-standing electrode in neutral pH electrolytes. *Electrochimica Acta*, **2021**, 378, 138139	6.7	6

22	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. *ACS Applied Energy Materials*, **2021**, 4, 8604-8614	6.1	6
21	Metal-Organic Frameworks Derived Electrocatalysts for Oxygen and Carbon Dioxide Reduction Reaction.. *Chemical Record*, **2022**, e202100329	6.6	5
20	Design and Fabrication of Highly Porous 2D Bimetallic Sulfide ZnS/FeS Composite Nanosheets as an Advanced Negative Electrode Material for Supercapacitors. *Energy & Fuels*, **2021**, 35, 15185-15191	4.1	5
19	Metal organic frameworks for efficient catalytic conversion of CO2 and CO into applied products. *Molecular Catalysis*, **2022**, 517, 112055	3.3	4
18	Strategic combination of metal-organic frameworks and CN for expeditious photocatalytic degradation of dye pollutants.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	4
17	Synthesis of nanoadsorbent entailed mesoporous organosilica for decontamination of methylene blue and methyl orange from water. *International Journal of Environmental Analytical Chemistry*,1-14	1.8	4
16	Salt-assisted gas-liquid interfacial fluorine doping: Metal-free defect-induced electrocatalyst for oxygen reduction reaction. *Molecular Catalysis*, **2021**, 514, 111878	3.3	4
15	Identification of Catalytic Active Sites for Durable Proton Exchange Membrane Fuel Cell: Catalytic Degradation and Poisoning Perspectives.. *Small*, **2022**, e2106279	11	4
14	The Emergence of 2D MXenes Based Zn-Ion Batteries: Recent Development and Prospects. *Small*,2201989	11	4
13	Nanostructure Engineering of Metal-Organic Derived Frameworks: Cobalt Phosphide Embedded in Carbon Nanotubes as an Efficient ORR Catalyst. *Molecules*, **2021**, 26,	4.8	3
12	Esters of Quinoxaline 1□4-Di--oxide with Cytotoxic Activity on Tumor Cell Lines Based on NCI-60 Panel. *Iranian Journal of Pharmaceutical Research*, **2017**, 16, 953-965	1.1	3
11	Facile synthesis of ceria-based composite oxide materials by combustion for high-performance solid oxide fuel cells. *Ceramics International*, **2021**, 47, 22035-22035	5.1	3
10	Metallic nanoparticles for catalytic reduction of toxic hexavalent chromium from aqueous medium: A state-of-the-art review.. *Science of the Total Environment*, **2022**, 154475	10.2	3
9	Surface engineering of MOF-derived FeCo/NC core-shell nanostructures to enhance alkaline water-splitting. *International Journal of Hydrogen Energy*, **2022**, 47, 5036-5043	6.7	2
8	Metal-Organic Framework-Derived Catalysts for Zn-Air Batteries **2020**, 1-15		2
7	Water-stable metal□rganic framework for environmental remediation **2021**, 585-621		2
6	Nanostructure engineering by surficial induced approach: Porous metal oxide-carbon nanotube composite for lithium-ion battery. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2021**, 273, 115417	3.1	1
5	Modulating the electronic structure of zinc single atom catalyst by P/N coordination and Co2P supports for efficient oxygen reduction in Zn-Air battery. *Chemical Engineering Journal*, **2022**, 440, 135928	14.7	1

List of Publications

4	Recent Advances in Synthesis and Applications of Single-Atom Catalysts for Rechargeable Batteries.. *Chemical Record*, **2021**,	6.6	1
3	Optimizing MOF electrocatalysis by metal sequence coding. *Chem Catalysis*, **2022**, 2, 3-5		0
2	Carbon Dots-Induced Carbon-Coated Ni and Mo2N nanosheets for Efficient Hydrogen Production. *Electrochimica Acta*, **2022**, 140671	6.7	0
1	Metal-Organic Framework-Derived Catalysts for Zn-Air Batteries **2021**, 2475-2489		