

Muhammad Zahid

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1632651/muhammad-zahid-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

1,477
citations

19
h-index

35
g-index

135
ext. papers

2,261
ext. citations

3.6
avg, IF

5.53
L-index

#	Paper	IF	Citations
124	Investigation of Ce doped BaTiO ₃ compound for optoelectronic devices. <i>Physica B: Condensed Matter</i> , 2022 , 631, 413714	2.8	0
123	Preparation and Evaluation of Polymer-Based Ultrasound Gel and Its Application in Ultrasonography.. <i>Gels</i> , 2022 , 8,	4.2	2
122	Physical characteristics of vanadium-doped SrTiO ₃ compound. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	0
121	Grass-derived carbon nanodots as a fluorescent-sensing platform for label-free detection of Cu (II) ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 5626	2.1	1
120	Theoretical investigation of X ₂ NaIO ₆ (X= Pb,Sr) double perovskites for thermoelectric and optoelectronic applications. <i>Physica B: Condensed Matter</i> , 2022 , 630, 413694	2.8	6
119	Role of silver nanoparticles in fluorimetric determination of urea in urine samples.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 271, 120889	4.4	0
118	G-C ₃ N ₄ /Ag@CoWO ₄ : A novel sunlight active ternary nanocomposite for potential photocatalytic degradation of rhodamine B dye. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 161, 110437	3.9	6
117	Recent developments in textile based polymeric smart sensor for human health monitoring: A review. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103480	5.9	5
116	Sonophotocatalytic degradation of organic pollutant under visible light over Pt decorated CeO ₂ : Role of ultrasonic waves for unprecedented degradation. <i>Journal of Molecular Structure</i> , 2022 , 1247, 131397	3.4	3
115	Preparation of Polyvinylidene Fluoride Nano-Filtration Membranes Modified with Functionalized Graphene Oxide for Textile Dye Removal.. <i>Membranes</i> , 2022 , 12,	3.8	1
114	First principle insight on Mn doped BeTe compound for optoelectronic and spintronic applications. <i>Physica Scripta</i> , 2022 , 97, 045702	2.6	0
113	Eco-friendly elimination of organic pollutants from water using graphene oxide assimilated magnetic nanoparticles adsorbent. <i>Inorganic Chemistry Communication</i> , 2022 , 139, 109422	3.1	0
112	Poly(Vinyl Alcohol) (PVA)-Based Treatment Technologies in the Remediation of Dye-Containing Textile Wastewater. <i>Sustainable Textiles</i> , 2022 , 1-21	1.1	
111	Electronic, optical and magnetic characteristics of V doped BeS. <i>Physica Scripta</i> , 2022 , 97, 065807	2.6	0
110	Physical characteristics of X ₂ NaMoBr ₆ (X= K, Rb): A DFT study. <i>Materials Science in Semiconductor Processing</i> , 2022 , 147, 106760	4.3	3
109	A comprehensive review of template-assisted porous carbons: Modern preparation methods and advanced applications. <i>Materials Science and Engineering Reports</i> , 2022 , 149, 100682	30.9	1
108	The salinity origin and hydrogeochemical evolution of groundwater in the Oued Kert basin, north-eastern of Morocco. <i>Scientific African</i> , 2022 , 16, e01226	1.7	0

107	Physical properties of KTaO ₃ compound for optoelectronic and thermoelectric applications: A DFT study. <i>Materials Science in Semiconductor Processing</i> , 2022 , 148, 106811	4.3	0
106	Investigation of Fe-Doped Graphitic Carbon Nitride-Silver Tungstate as a Ternary Visible Light Active Photocatalyst. <i>Journal of Chemistry</i> , 2021 , 2021, 1-18	2.3	0
105	Coal fly ash supported CoFeO nanocomposites: Synergetic Fenton-like and photocatalytic degradation of methylene blue. <i>Environmental Research</i> , 2021 , 206, 112280	7.9	2
104	Production and Evaluation of Fractionated Tamarind Seed Oil Methyl Esters as a New Source of Biodiesel. <i>Energies</i> , 2021 , 14, 7148	3.1	2
103	Theoretical investigation of supramolecular hydrogen-bonded choline chloride-based deep eutectic solvents using density functional theory. <i>Chemical Physics Letters</i> , 2021 , 769, 138427	2.5	22
102	M-Type Barium Hexaferrite-Based Nanocomposites for EMI Shielding Application: a Review. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 1019-1045	1.5	10
101	Fabrication and characterization of PVC based flexible nanocomposites for the shielding against EMI, NIR, and thermal imaging signals. <i>Results in Physics</i> , 2021 , 24, 104183	3.7	9
100	Bimetallic NiCoNiCoO ₂ nano-heterostructures embedded on copper foam as a self-supported bifunctional electrode for water oxidation and hydrogen production in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 18936-18948	6.7	13
99	Sustainable Development of Chitosan/-Based Hydrogels to Stimulate Formation of Granulation Tissue and Angiogenesis in Wound Healing Applications. <i>Molecules</i> , 2021 , 26,	4.8	4
98	First principle insight on physical characteristics of Mn doped BeS compound. <i>Materials Science in Semiconductor Processing</i> , 2021 , 127, 105697	4.3	4
97	Synthesis and photocatalytic degradation of rhodamine B using ternary zeolite/WO ₃ /FeO composite. <i>Nanotechnology</i> , 2021 , 32,	3.4	7
96	Fabrication and Characterization of Sulfonated Graphene Oxide-Doped Polymeric Membranes with Improved Anti-Biofouling Behavior. <i>Membranes</i> , 2021 , 11,	3.8	2
95	PVC based flexible nanocomposites with the incorporation of Polyaniline and Barium Hexa-Ferrite nanoparticles for the shielding against EMI, NIR, and thermal imaging cameras. <i>Synthetic Metals</i> , 2021 , 277, 116773	3.6	10
94	Investigating the Antibacterial Activity of Polymeric Membranes Fabricated with Aminated Graphene Oxide. <i>Membranes</i> , 2021 , 11,	3.8	10
93	Green extraction of ethnomedicinal compounds from <i>Cymbopogon citratus</i> Stapf using hydrogen-bonded supramolecular network. <i>Separation Science and Technology</i> , 2021 , 56, 1520-1533	2.5	7
92	Analysis of the lubrication approximation theory in the calendaring/sheeting process of upper convected Jeffery-B material. <i>Journal of Plastic Film and Sheeting</i> , 2021 , 37, 128-159	2.4	5
91	Use of hydrogen-bonded supramolecular eutectic solvents for eco-friendly extraction of bioactive molecules from <i>Cymbopogon citratus</i> using Box-Behnken design. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 1487-1498	2.8	3
90	Cobalt-Iron nanoparticles encapsulated in mesoporous carbon nanosheets: A one-pot synthesis of highly stable electrocatalysts for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5234-5249	6.7	17

89	Sunlight-driven photocatalytic degradation of rhodamine B dye by Ag/FeWO ₄ /g-C ₃ N ₄ composites. <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 927-938	3.3	19
88	Metal oxide-based ternary nanocomposites for wastewater treatment 2021 , 135-158		
87	Platinum and cobalt intermetallic nanoparticles confined within MIL-101(Cr) for enhanced selective hydrogenation of the carbonyl bond in α,β -unsaturated aldehydes: synergistic effects of electronically modified Pt sites and Lewis acid sites. <i>Catalysis Science and Technology</i> , 2021 , 11, 2433-2445	5.5	11
86	Role of polymeric nanocomposite membranes for the removal of textile dyes from wastewater 2021 , 91-103		4
85	Nanotechnology: A smart translation of ingredients in the agriculture industry 2021 , 47-65		
84	Photocatalytic polymeric composites for wastewater treatment 2021 , 467-490		4
83	Applications of nanomaterials in water remediation: A note from the Editors 2021 , 1-10		1
82	Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1763-1773	6.1	5
81	Subcritical and supercritical water oxidation for dye decomposition. <i>Journal of Environmental Management</i> , 2021 , 290, 112605	7.9	20
80	Development of Hydrogels with the Incorporation of L. Seed Extract in Sodium Alginate for Wound-Healing Application. <i>Gels</i> , 2021 , 7,	4.2	8
79	Fabrication of visible light active Mn-doped BiWO ₄ -GO/MoS heterostructure for enhanced photocatalytic degradation of methylene blue. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
78	Recent developments for antimicrobial applications of graphene-based polymeric composites: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 100, 40-58	6.3	15
77	Mixed metal ferrite (MnZnFeO) intercalated g-C ₃ N ₄ nanocomposite: efficient sunlight driven photocatalyst for methylene blue degradation. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
76	Photocatalytic degradation of methylene blue using polyaniline-based silver-doped zinc sulfide (PANI-Ag/ZnS) composites. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
75	Fabrication and Characterization of Sulfonated Graphene Oxide (SGO) Doped PVDF Nanocomposite Membranes with Improved Anti-Biofouling Performance. <i>Membranes</i> , 2021 , 11,	3.8	4
74	Physical characteristics of barium based cubic perovskites. <i>Chemical Physics Letters</i> , 2021 , 779, 138835	2.5	2
73	Solar driven photocatalytic degradation potential of novel graphitic carbon nitride based nano zero-valent iron doped bismuth ferrite ternary composite. <i>Optical Materials</i> , 2021 , 120, 111408	3.3	11
72	Facile fabrication of TiO ₂ with 3D hierarchical structure and its supported Pd catalysts for high catalytic hydrogenation performance of 4-Nitrophenol to 4-Aminophenol. <i>Applied Surface Science</i> , 2021 , 566, 150615	6.7	2

71	Experimental and statistical analysis of dielectric barrier discharge plasma effect on sonochemically TiO ₂ coated cotton fabric using complete composite design. <i>Current Applied Physics</i> , 2021 , 31, 158-170	2.6	3
70	Coal fly ash-based copper ferrite nanocomposites as potential heterogeneous photocatalysts for wastewater remediation. <i>Applied Surface Science</i> , 2021 , 565, 150542	6.7	10
69	Composite of polypyrrole with sugarcane bagasse cellulosic biomass and adsorption efficiency for 2,4-dichlorophenoxy acetic acid in column mode. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 2016-2025	5.5	3
68	Deep eutectic solvents as alternative green solvents for the efficient desulfurization of liquid fuel: A comprehensive review. <i>Fuel</i> , 2021 , 305, 121502	7.1	11
67	Applications of coagulation-flocculation and nanotechnology in water treatment 2021 , 533-558		2
66	Silver-doped ternary compounds for wastewater remediation 2021 , 623-653		1
65	Silver-doped metal ferrites for wastewater treatment 2021 , 599-622		1
64	Wastewater remediation using coal fly ash nanocomposites 2021 , 159-184		1
63	Inter-annual variability and distribution of aerosols during winters and aerosol optical thickness over Northeastern Pakistan. <i>International Journal of Environmental Science and Technology</i> , 2020 , 1	3.3	1
62	First Principle Insight into the Structural, Optoelectronic, Half Metallic, and Mechanical Properties of Cubic Perovskite NdInO ₃ . <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 4967-4974	2.5	16
61	Hybrid nanomaterials for water purification 2020 , 155-188		6
60	MnFe ₂ O ₄ /coal fly ash nanocomposite: a novel sunlight-active magnetic photocatalyst for dye degradation. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 4233-4248	3.3	22
59	Synthesis of Pt supported on mesoporous g-C ₃ N ₄ modified by ammonium chloride and its efficiently selective hydrogenation of furfural to furfuryl alcohol. <i>Applied Surface Science</i> , 2020 , 528, 146983	6.7	10
58	Environmentally Friendly Extraction of Bioactive Compounds from <i>Mentha arvensis</i> Using Deep Eutectic Solvent as Green Extraction Media. <i>Polish Journal of Environmental Studies</i> , 2020 , 29, 3749-3757 ²⁻³	2.3	9
57	Nanostructured Molecularly Imprinted Photonic Polymers for Sensing Applications. <i>Current Nanoscience</i> , 2020 , 16, 495-503	1.4	5
56	UV-Accelerated Photocatalytic Degradation of Pesticide over Magnetite and Cobalt Ferrite Decorated Graphene Oxide Composite. <i>Plants</i> , 2020 , 10,	4.5	19
55	Prospects of nanocomposite membranes in commercial scale 2020 , 457-473		
54	Degradation of reactive dye using heterogeneous photo-Fenton catalysts: ZnFe ₂ O ₄ and GO-ZnFe ₂ O ₄ composite. <i>Materials Research Express</i> , 2020 , 7, 015519	1.7	33

53	Fabrication of reduced graphene oxide (RGO) and nanocomposite with thermoplastic polyurethane (TPU) for EMI shielding application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 967-974 ^{2,1}	28
52	Theoretical Study of the Reverse Roll Coating of Non-Isothermal Magnetohydrodynamics Viscoplastic Fluid. <i>Coatings</i> , 2020 , 10, 940	2.9 6
51	Mathematical Analysis of Pseudoplastic Polymers during Reverse Roll-Coating. <i>Polymers</i> , 2020 , 12,	4.5 4
50	Pd/Mo2N-TiO2 as efficient catalysts for promoted selective hydrogenation of 4-nitrophenol: A green bio-reducing preparation method. <i>Journal of Catalysis</i> , 2020 , 391, 190-201	7.3 9
49	Curcumin-based bionanocomposites 2020 , 233-257	
48	Effect on the EMI Shielding Properties of Cobalt Ferrites and Coal-Fly-Ash Based Polymer Nanocomposites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 3519-3524	1.5 14
47	Thermodynamic and kinetic approach of biodiesel production from waste cooking oil using nano-catalysts. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 ,	3.1 6
46	Prospects of nanocomposite membranes for water treatment by pressure-driven membrane processes 2020 , 237-256	1
45	Synthesis of CoCrFeO-chitosan beads sun-light-driven photocatalyst with well recycling for efficiently degrading high-concentration dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 236, 118314	4.4 15
44	Degradation of acetamiprid using graphene-oxide-based metal (Mn and Ni) ferrites as Fenton-like photocatalysts. <i>Water Science and Technology</i> , 2020 , 81, 178-189	2.2 25
43	Metal Ferrites and Their Graphene-Based Nanocomposites: Synthesis, Characterization, and Applications in Wastewater Treatment. <i>Nanotechnology in the Life Sciences</i> , 2019 , 181-212	1.1 14
42	Spectroscopic studies of interactions of 2-(2-Oxo-2-Phenylethyl)-1, 2-benzisothiazol-3(2H)-one-1, 1-dioxide with human DNA. <i>Journal of Molecular Structure</i> , 2019 , 1196, 403-408	3.4 0
41	Graphene oxide decorated ZnWO4 architecture synthesis, characterization and photocatalytic activity evaluation. <i>Journal of Molecular Liquids</i> , 2019 , 285, 778-789	6 57
40	A robust approach towards green synthesis of polyaniline-Scenedesmus biocomposite for wastewater treatment applications. <i>Materials Research Express</i> , 2019 , 6, 055308	1.7 24
39	Possible applications of coal fly ash in wastewater treatment. <i>Journal of Environmental Management</i> , 2019 , 240, 27-46	7.9 101
38	Fenton and Photo-Fenton Oxidation for the Remediation of Textile Effluents: An Experimental Study 2019 , 235-251	3
37	Investigation of role of urea in morphologically controlled synthesis of calcium-bismuth bimetallic nanoparticles from chicken egg shells and its catalytic and fuel additive applications. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 1628-1640	1.5 8
36	Antioxidants: Natural Antibiotics 2019 ,	5

35	Morphological changes and antioxidative capacity of jute (<i>Corchorus capsularis</i> , Malvaceae) under different color light-emitting diodes. <i>Revista Brasileira De Botanica</i> , 2019 , 42, 581-590	1.2	31
34	Biogenic synthesis, characterization and investigation of photocatalytic and antimicrobial activity of manganese nanoparticles synthesized from <i>Cinnamomum verum</i> bark extract. <i>Journal of Molecular Structure</i> , 2019 , 1179, 532-539	3.4	106
33	Reporting effective extraction methodology and chemical characterization of bioactive components of under explored <i>Platyclusus orientalis</i> (L.) Franco from semi-arid climate. <i>Natural Product Research</i> , 2019 , 33, 1237-1242	2.3	5
32	Enhanced photodegradation of methylene blue with alkaline and transition-metal ferrite nanophotocatalysts under direct sun light irradiation. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 402-408	1.5	51
31	Fe ₃ O ₄ -GO composite as efficient heterogeneous photo-Fenton catalyst to degrade pesticides. <i>Materials Research Express</i> , 2019 , 6, 015608	1.7	19
30	Tailoring electrical and thermal properties of polymethyl methacrylate-carbon nanotubes composites through polyaniline and dodecyl benzene sulphonic acid impregnation. <i>Polymer Composites</i> , 2018 , 39, E1052-E1059	3	3
29	Variations in the Physicochemical Profile of Khushab Coal under Various Environmental Conditions. <i>Polish Journal of Environmental Studies</i> , 2018 , 27, 987-992	2.3	4
28	Hydrothermal synthesis of molybdenum trioxide, characterization and photocatalytic activity. <i>Materials Research Bulletin</i> , 2018 , 100, 120-130	5.1	39
27	A Comprehensive Review on Polymeric Nano-Composite Membranes for Water Treatment. <i>Journal of Membrane Science & Technology</i> , 2018 , 08,		95
26	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment. <i>Journal of Sensors</i> , 2018 , 2018, 1-6	2	5
25	DFT Study for the Spectroscopic and Structural Analysis of p-Dimethylaminoazobenzene. <i>Journal of Spectroscopy</i> , 2018 , 2018, 1-15	1.5	10
24	Chromium adsorption using waste tire and conditions optimization by response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2740-2751	6.8	50
23	CFD Modeling and Experimental Validation of a Solar Still. <i>MATEC Web of Conferences</i> , 2017 , 131, 02010	0.3	2
22	Removal of Actacid Orange-RL Dye Using Biocomposites: Modeling Studies. <i>Polish Journal of Environmental Studies</i> , 2017 , 26, 2125-2134	2.3	36
21	Response surface methodology application in optimization of cadmium adsorption by shoe waste: A good option of waste mitigation by waste. <i>Ecological Engineering</i> , 2016 , 88, 265-275	3.9	128
20	Modification of cotton fabric for textile dyeing: industrial mercerization versus gamma irradiation. <i>Journal of the Textile Institute</i> , 2016 , 1-7	1.5	0
19	Potent mutagenicity in the Ames test of 2-cyano-4-nitroaniline and 2,6-dicyano-4-nitroaniline, components of disperse dyes. <i>Environmental and Molecular Mutagenesis</i> , 2016 , 57, 10-6	3.2	7
18	Effect of solvent polarity and temperature on the spectral and thermodynamic properties of exciplexes of 1-cyanonaphthalene with hexamethylbenzene in organic solvents. <i>Journal of Luminescence</i> , 2014 , 153, 12-20	3.8	2

17	Biosorption of Drimarine Blue HF-RL using raw, pretreated, and immobilized peanut hulls. <i>Desalination and Water Treatment</i> , 2014 , 52, 7339-7353		4
16	A Mechanistic Study of Photoinduced Electron Transfer from Triplet Erythrosin to Various Quinones Using Time Resolved Absorption and ESR-CIDEP Measurements. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014 , 228, 301-324	3.1	2
15	Spectral and thermodynamic properties for the exciplexes of N-alkyl carbazoles with dicyanobenzenes in THF. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 138-45	4.4	2
14	Absorption and fluorescence emission attributes of a fluorescent dye: 2,3,5,6-tetracyano-p-hydroquinone. <i>Journal of Fluorescence</i> , 2013 , 23, 829-37	2.4	7
13	Investigation of structural and optoelectronic properties of BaThO ₃ . <i>Optical Materials</i> , 2011 , 33, 553-557	3.3	87
12	Synthesis and photophysical properties of 2,6-dicyano-p-phenylenediamine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 220, 54-63	4.7	15
11	Applications of graphene-based tungsten oxide nanocomposites: a review. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	2
10	Assessment of the physico-chemical and bacteriological quality of groundwater in the Kert Plain, northeastern Morocco. <i>International Journal of Energy and Water Resources</i> , 1	2.2	0
9	Assessment of the metal contamination index in groundwater of the quaternary of the Middle Kert Basin, north-eastern Morocco. <i>Environmental Quality Management</i> ,	0.8	1
8	Improved photocatalytic degradation of dye using coal fly ash-based zinc ferrite (CFA/ZnFe ₂ O ₄) composite. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	11
7	Ultrasound-assisted deep eutectic solventBased extraction of phytochemicals from Mentha arvensis: optimization using Box-Behnken design. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2
6	Polyaniline-based nanocomposites for electromagnetic interference shielding applications: A review. <i>Journal of Thermoplastic Composite Materials</i> , 089270572110224	1.9	6
5	Influence of magnetohydrodynamics and heat transfer on the reverse roll coating of a Jeffrey fluid: A theoretical study. <i>Journal of Plastic Film and Sheeting</i> , 875608792110296	2.4	0
4	Structural, morphological, dielectric and magnetic properties of Ba _{1-x} Cr _x Fe ₁₂ O ₁₉ M type hexaferrites. <i>Physica Scripta</i> ,	2.6	1
3	Enzymatic glycosylation of menthol: optimization of synthesis and extraction processes using response surface methodology and biological evaluation of synthesized product. <i>Chemical Papers</i> , 1	1.9	0
2	Electromagnetic interference shielding study in microwave and NIR regions by highly efficient Ag/ZnS and polyaniline-Ag/ZnS particles. <i>Journal of Thermoplastic Composite Materials</i> , 089270572110649	1.9	1
1	Quantum mechanical modeling unveils the effect of substitutions on the activation barriers of the Diels-Alder reactions of an antiviral compound 7H-benzo[a]phenalene. <i>Structural Chemistry</i> , 1	1.8	0