

Iqbal Ahmad

List of Publications by Year in descending order

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47
papers

1,194
citations

257357

24
h-index

395590

33
g-index

47
all docs

47
docs citations

47
times ranked

1164
citing authors

#	ARTICLE	IF	CITATIONS
1	NiO nanoparticles for enhanced removal of methyl orange: equilibrium, kinetics, thermodynamic and desorption studies. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 84-103.	1.8	42
2	Design and fabrication of Fe ₂ O ₃ /FeP heterostructure for oxygen evolution reaction electrocatalysis. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162409.	2.8	68
3	Enhanced electrochemical activity of Co ₃ O ₄ /Co ₉ S ₈ heterostructure catalyst for water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 30970-30980.	3.8	35
4	Synthesis, in-Silico studies, and in-Vitro bio-evaluation of new bi-thiacoumarins. <i>Journal of Molecular Structure</i> , 2022, , 133040.	1.8	0
5	Synthesis of Cu-doped ZnO for bulk heterojunction hybrid solar cells. <i>Chemical Papers</i> , 2022, 76, 4743-4748.	1.0	1
6	Development of 4-aminophenol sensor based on Co-MoS ₂ nanomaterials decorated on glassy carbon electrode using electrochemical technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 282, 115778.	1.7	6
7	An efficient Fe ₂ O ₃ /FeS heterostructures water oxidation catalyst. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 22340-22347.	3.8	28
8	A Universal Strategy For N-doped 2D Carbon Nanosheets With Sub-Nanometer Micropore For High-Performance Supercapacitor. <i>Energy and Environmental Materials</i> , 2021, 4, 569-576.	7.3	22
9	Synthesis, characterization and charge transport properties of Pr ²⁺ /Ni Co-doped SrFe ₂ O ₄ spinel for high frequency devices applications. <i>Ceramics International</i> , 2021, 47, 3760-3771.	2.3	36
10	Fabrication and corrosion inhibition behavior of hierarchical Al-Cr co-doped magnesium ferrites nanomaterial for steel. <i>Surface and Coatings Technology</i> , 2021, 405, 126687.	2.2	21
11	Fabrication of highly resistive La ²⁺ /Zn co-substituted spinel strontium nanoferrites for high frequency devices applications. <i>Materials Chemistry and Physics</i> , 2021, 259, 124031.	2.0	30
12	A novel binder free high performance Y ₂ Zr ₂ O ₇ /MnS nanocomposite electrode for supercapacitor applications. <i>Journal of Energy Storage</i> , 2021, 37, 102505.	3.9	11
13	Modeling of phenol removal from water by NiFe ₂ O ₄ nanocomposite using response surface methodology and artificial neural network techniques. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105576.	3.3	22
14	Dye degradation, antibacterial and in-silico analysis of Mg/cellulose-doped ZnO nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 153-164.	3.6	30
15	Synthesis, characterization, antioxidant, DNA binding and density functional studies of novel bisamides. <i>Journal of Molecular Structure</i> , 2021, 1239, 130471.	1.8	2
16	Grafting and co-grafting of dyes on Cd-doped ZnS nanocrystals and their application on dye-sensitized solar cells. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	40
17	Synthesis, characterization, and anticancer activity of Schiff bases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3246-3259.	2.0	68
18	Synthesis, characterization, electrochemical and DNA binding studies of regio-isomeric sulfonyl esters of substituted isoxazoles. <i>Journal of Molecular Structure</i> , 2020, 1202, 127230.	1.8	9

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19	Stabilizing a Lithium Metal Battery by an In Situ Li ₂ S-modified Interfacial Layer via Amorphous-Sulfide Composite Solid Electrolyte. <i>Nano Letters</i> , 2020, 20, 8273-8281.	4.5	47
20	Regio-isomeric isoxazole sulfonates: Synthesis, characterization, electrochemical studies and DNA binding activity. <i>Journal of Molecular Structure</i> , 2020, 1220, 128635.	1.8	7
21	A new technique for the synthesis of lanthanum substituted nickel cobaltite nanocomposites for the photo catalytic degradation of organic dyes in wastewater. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6341-6347.	2.3	6
22	Fabrication of transition-metal oxide and chalcogenide nanostructures with enhanced electrochemical performances. <i>Journal of Energy Storage</i> , 2020, 31, 101621.	3.9	32
23	Synthesis, DFT, electrochemical, biological and DNA-interaction studies of a novel copper(II) complex of salicylic acid and N-tosyl substituted benzimidazole. <i>Journal of Coordination Chemistry</i> , 2020, 73, 52-66.	0.8	5
24	Excellent electrochemical performance of SrZrO ₃ nanorods as supercapacitor electrode in aqueous electrolytes. <i>Applied Surface Science</i> , 2019, 495, 143587.	3.1	17
25	NiO/NiS Heterostructures: An Efficient and Stable Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 3587-3594.	2.5	71
26	Structural, optical and photovoltaic properties of P3HT and metal doped TiO ₂ quantum dots based bulk heterojunction layers. <i>Optical Materials</i> , 2019, 91, 376-385.	1.7	6
27	Mesoporous Ce ₂ Zr ₂ O ₇ /PbS Nanocomposite with an Excellent Supercapacitor Electrode Performance and Cyclic Stability. <i>ChemistrySelect</i> , 2019, 4, 655-661.	0.7	17
28	Synthesis, characterization, docking and electrochemical studies of nitroaromatic amides. <i>Journal of Molecular Structure</i> , 2019, 1176, 791-797.	1.8	2
29	New tailored substituted benzothiazole Schiff base Cu(II)/Zn(II) antitumor drug entities: effect of substituents on DNA binding profile, antimicrobial and cytotoxic activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1863-1879.	2.0	47
30	SrFe ₂ O ₄ nanoferrites and SrFe ₂ O ₄ /ground eggshell nanocomposites: Fast and efficient adsorbents for dyes removal. <i>Journal of Cleaner Production</i> , 2018, 199, 983-994.	4.6	46
31	Application of micellar enhanced ultrafiltration for the removal of sunset yellow dye from aqueous media. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 139-144.	1.3	9
32	Ferrocene-based Schiff bases copper (II) complexes: Synthesis, characterization, biological and electrochemical analysis. <i>Inorganica Chimica Acta</i> , 2017, 463, 102-111.	1.2	38
33	Pharmacological, electrochemical and drug-DNA interaction aspects of tridentate Schiff bases and their triphenylphosphine nickel(II) complexes. <i>Polyhedron</i> , 2017, 133, 270-278.	1.0	19
34	Copper (II) complexes bearing ether based ON donor bidentate Schiff bases: Synthesis, characterization, biological and electrochemical investigations. <i>Polyhedron</i> , 2017, 124, 117-124.	1.0	29
35	Synthesis and bioelectrochemical behavior of aromatic amines. <i>Bioorganic Chemistry</i> , 2017, 75, 224-234.	2.0	7
36	Multinuclear (Sn/Pd) complexes with disodium 2,2'-[dithiocarboxyazanediyl]diacetate hydrate; Synthesis, characterization and biological activities. <i>Journal of Coordination Chemistry</i> , 2017, 70, 4070-4092.	0.8	2

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37	Schiff base triphenylphosphine palladium (II) complexes: Synthesis, structural elucidation, electrochemical and biological evaluation. <i>Journal of Molecular Structure</i> , 2016, 1118, 250-258.	1.8	46
38	Effect of Nd ³⁺ and Cd ²⁺ ions co-substitution on the dielectric and electron transport properties of spinel strontium nanoferrites. <i>Ceramics International</i> , 2016, 42, 12763-12770.	2.3	27
39	Fabrication of Nd ³⁺ and Mn ²⁺ ions Co-doped Spinel Strontium Nanoferrites for High Frequency Device Applications. <i>Journal of Electronic Materials</i> , 2016, 45, 4979-4988.	1.0	24
40	Synthesis, characterization, biological and electrochemical evaluation of novel ether based ON donor bidentate Schiff bases. <i>Journal of Molecular Structure</i> , 2016, 1116, 84-92.	1.8	36
41	Electrochemical and photovoltaic study of sunset yellow and tartrazine dyes. <i>Monatshefte für Chemie</i> , 2015, 146, 1631-1640.	0.9	25
42	Synthesis, biological and electrochemical evaluation of novel nitroaromatics as potential anticancerous drugs. <i>Bioelectrochemistry</i> , 2015, 104, 85-92.	2.4	26
43	Structural, electrical, dielectric and magnetic behavior of Gd _{1-x} Bi _{1-x} Fe _{1-x} Zr _{O3} nanoparticles for advanced technological applications. <i>Ceramics International</i> , 2015, 41, 8578-8583.	2.3	9
44	Study on the synthesis and characterization of 3,3'-bicarbazole and pyridine based luminescent copolymers. <i>Materials Letters</i> , 2015, 161, 37-40.	1.3	3
45	New nanoparticulate Gd _{1-x} Zr _x Fe _{1-y} Mn _y O ₃ multiferroics: Synthesis, characterization and evaluation of electrical, dielectric and magnetic parameters. <i>Journal of Alloys and Compounds</i> , 2014, 585, 790-794.	2.8	8
46	High frequency dielectric response and magnetic studies of Zn _{1-x} Tb _x Fe ₂ O ₄ nanocrystalline ferrites synthesized via micro-emulsion technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 360, 188-192.	1.0	70
47	Dimeric paddle-wheel carboxylates of copper(II): Synthesis, crystal structure and electrochemical studies. <i>Polyhedron</i> , 2013, 50, 524-531.	1.0	42