

Iqbal Ahmad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7051628/publications.pdf>

Version: 2024-02-01

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/NiS Heterostructures: An Efficient and Stable Electrocatalyst for Oxygen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 3587-3594.	2.5	71
2	High frequency dielectric response and magnetic studies of Zn _{1-x} Tb _x Fe ₂ O ₄ nanocrystalline ferrites synthesized via micro-emulsion technique. Journal of Magnetism and Magnetic Materials, 2014, 360, 188-192.	1.0	70
3	Synthesis, characterization, and anticancer activity of Schiff bases. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3246-3259.	2.0	68
4	Design and fabrication of Fe ₂ O ₃ /FeP heterostructure for oxygen evolution reaction electrocatalysis. Journal of Alloys and Compounds, 2022, 894, 162409.	2.8	68
5	New tailored substituted benzothiazole Schiff base Cu(II)/Zn(II) antitumor drug entities: effect of substituents on DNA binding profile, antimicrobial and cytotoxic activity. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1863-1879.	2.0	47
6	Stabilizing a Lithium Metal Battery by an In Situ Li ₂ S-modified Interfacial Layer via Amorphous-Sulfide Composite Solid Electrolyte. Nano Letters, 2020, 20, 8273-8281.	4.5	47
7	Schiff base triphenylphosphine palladium (II) complexes: Synthesis, structural elucidation, electrochemical and biological evaluation. Journal of Molecular Structure, 2016, 1118, 250-258.	1.8	46
8	SrFe ₂ O ₄ nanoferrites and SrFe ₂ O ₄ /ground eggshell nanocomposites: Fast and efficient adsorbents for dyes removal. Journal of Cleaner Production, 2018, 199, 983-994.	4.6	46
9	Dimeric paddle-wheel-carboxylates of copper(II): Synthesis, crystal structure and electrochemical studies. Polyhedron, 2013, 50, 524-531.	1.0	42
10	NiO nanoparticles for enhanced removal of methyl orange: equilibrium, kinetics, thermodynamic and desorption studies. International Journal of Environmental Analytical Chemistry, 2022, 102, 84-103.	1.8	42
11	Grafting and co-grafting of dyes on Cd-doped ZnS nanocrystals and their application on dye-sensitized solar cells. Bulletin of Materials Science, 2021, 44, 1.	0.8	40
12	Ferrocene-based Schiff bases copper (II) complexes: Synthesis, characterization, biological and electrochemical analysis. Inorganica Chimica Acta, 2017, 463, 102-111.	1.2	38
13	Synthesis, characterization, biological and electrochemical evaluation of novel ether based ON donor bidentate Schiff bases. Journal of Molecular Structure, 2016, 1116, 84-92.	1.8	36
14	Synthesis, characterization and charge transport properties of Pr ³⁺ /Ni Co-doped SrFe ₂ O ₄ spinel for high frequency devices applications. Ceramics International, 2021, 47, 3760-3771.	2.3	36
15	Enhanced electrochemical activity of Co ₃ O ₄ /Co ₉ S ₈ heterostructure catalyst for water splitting. International Journal of Hydrogen Energy, 2022, 47, 30970-30980.	3.8	35
16	Fabrication of transition-metal oxide and chalcogenide nanostructures with enhanced electrochemical performances. Journal of Energy Storage, 2020, 31, 101621.	3.9	32
17	Fabrication of highly resistive La ³⁺ /Zn co-substituted spinel strontium nanoferrites for high frequency devices applications. Materials Chemistry and Physics, 2021, 259, 124031.	2.0	30
18	Dye degradation, antibacterial and in-silico analysis of Mg/cellulose-doped ZnO nanoparticles. International Journal of Biological Macromolecules, 2021, 185, 153-164.	3.6	30

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Synthesis, biological and electrochemical evaluation of novel nitroaromatics as potential anticancerous drugs. <i>Bioelectrochemistry</i> , 2015, 104, 85-92.	2.4	26
23	Electrochemical and photovoltaic study of sunset yellow and tartrazine dyes. <i>Monatshefte für Chemie</i> , 2015, 146, 1631-1640.	0.9	25
24	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
25	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
26	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
27	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
28	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
29	Excellent electrochemical performance of SrZrO ₃ nanorods as supercapacitor electrode in aqueous electrolytes. <i>Applied Surface Science</i> , 2019, 495, 143587.	3.1	17
30	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
31	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
32	Structural, electrical, dielectric and magnetic behavior of Gd _{1-x} Bi _x Fe _{1-x} Zr _x O ₃ nanoparticles for advanced technological applications. <i>Ceramics International</i> , 2015, 41, 8578-8583.	2.3	9
33	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
34	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
35	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
36	Synthesis and bioelectrochemical behavior of aromatic amines. <i>Bioorganic Chemistry</i> , 2017, 75, 224-234.	2.0	7

#	ARTICLE	IF	CITATIONS
37	Regio-isomeric isoxazole sulfonates: Synthesis, characterization, electrochemical studies and DNA binding activity. <i>Journal of Molecular Structure</i> , 2020, 1220, 128635.	1.8	7
38	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
39	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
40	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
41	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
42	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
43	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
44	Synthesis, characterization, docking and electrochemical studies of nitroaromatic amides. <i>Journal of Molecular Structure</i> , 2019, 1176, 791-797.	1.8	2
45	Synthesis, characterization, antioxidant, DNA binding and density functional studies of novel bisamides. <i>Journal of Molecular Structure</i> , 2021, 1239, 130471.	1.8	2
46	Synthesis of Cu-doped ZnO for bulk heterojunction hybrid solar cells. <i>Chemical Papers</i> , 2022, 76, 4743-4748.	1.0	1
47	Synthesis, in-Silico studies, and in-Vitro bio-evaluation of new bi-thiacoumarins. <i>Journal of Molecular Structure</i> , 2022, , 133040.	1.8	0