Mohammed Alsawat

List of Publications by Year in Descending Order

34 papers	360 citations	11 h-index	18 g-index
35 ext. papers	487 ext. citations	5.9 avg, IF	4.03 L-index

#	Paper	IF	Citations
34	Fabrication and characterisation of ZnO@TiO2 core/shell nanowires using a versatile kinetics-controlled coating growth method. *Applied Surface Science*, **2022**, 594, 153463	6.7	0
33	Spectral and Structural Characterization of Metformin with Different Counter Anions: Comparative Analysis and DFT Calculations. *Asian Journal of Chemistry*, **2021**, 33, 2817-2825	0.4	
32	Utilizing of (Zinc Oxide Nano-Spray) for Disinfection against SARS-CoV-2 and Testing Its Biological Effectiveness on Some Biochemical Parameters during (COVID-19 Pandemic) ZnO Nanoparticles Have Antiviral Activity against (SARS-CoV-2) *Coatings*, **2021**, 11, 388	2.9	32
31	Ternay Au@TiO2/Fe2O3 Nanocomposite with Nanoring Structure: Synthesis, Characterization and Photocatalytic Activity. *Journal of Inorganic and Organometallic Polymers and Materials*, **2021**, 31, 4372	3.2	2
30	Aggregation behavior and thermodynamic properties of the mixture of sodium carboxymethyl cellulose and cetyltrimethylammonium bromide in numerous temperatures and mixed solvents. *Zeitschrift Fur Physikalische Chemie*, **2021**,	3.1	1
29	FeYO3@rGO nanocomposites: Synthesis, characterization and application in photooxidative degradation of atrazine under visible light. *Materials Express*, **2021**, 11, 706-716	1.3	0
28	Exploring the structural and optical properties of FeS filled graphene/PVA blend for environmental-friendly applications. *Journal of Polymer Research*, **2021**, 28, 1	2.7	8
27	An Environmentally Friendly Method for Removing Hg(II), Pb(II), Cd(II) and Sn(II) Heavy Metals from Wastewater Using Novel Metal Carbon-Based Composites. *Crystals*, **2021**, 11, 882	2.3	14
26	Development of New Thiazole Complexes as Powerful Catalysts for Synthesis of Pyrazole-4-Carbonitrile Derivatives under Ultrasonic Irradiation Condition Supported by DFT Studies. *ACS Omega*, **2021**, 6, 21071-21086	3.9	13
25	Preparation and Characterization of New CrFeO3-Carbon Composite Using Environmentally Friendly Methods to Remove Organic Dye Pollutants from Aqueous Solutions. *Crystals*, **2021**, 11, 960	2.3	8
24	Mesopores silica nanotubes-based sensors for the highly selective and rapid detection of Fe ions in wastewater, boiler system units and biological samples. *Analytica Chimica Acta*, **2021**, 1180, 338860	6.6	5
23	Utilization of charge-transfer complexation to generate carbon-based nanomaterial for the adsorption of pollutants from contaminated water: Reaction between urea and vacant orbital acceptors. *Journal of Molecular Liquids*, **2021**, 341, 117416	6	5
22	Crafting nanoflower-built MnCo2S4 anchored to Ni foam as a prominent energy conversion and energy storage electrode for high-performance supercapacitor applications. *Journal of Energy Storage*, **2021**, 43, 103155	7.8	6
21	RuO2 Nanostructures from Ru(III) Complexes As a New Smart Nanomaterials for Using in the Recycling and Sustainable Wastewater Treatment: Synthesis, Characterization, and Catalytic Activity in the Hydrogen Peroxide Decomposition. *Russian Journal of Physical Chemistry A*, **2021**, 95, S346-S351	0.7	0
20	Extremely Effective Visible Light-Driven Generation of Hydrogen by Sol Gel LaFeO3-Decorated g-C3N4 Photocatalyst. *Nanoscience and Nanotechnology Letters*, **2020**, 12, 1255-1264	0.8	0
19	Developed Process Circuit Flowsheet of Al Amar Ore for Production of Nanocrystalline Ferrite and Improving Gold Recovery. *ACS Omega*, **2020**, 5, 30858-30870	3.9	1
18	Enhanced Acidic Hydrogen Evolution on TiO2-Doped Gadolinium Electrocatalysts. *Journal of Nanoscience and Technology*, **2020**, 6, 911-914	0.8	0

List of Publications

17	Implementation of La3+ ion substituted M-type strontium hexaferrite powders for enhancement of magnetic properties. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166187	2.8	9
16	Crystalline ZnO and ZnO/TiO2 nanoparticles derived from tert-butyl N-(2 mercaptoethyl)carbamatozinc(II) chelate: Electrocatalytic studies for H2 generation in alkaline electrolytes. *International Journal of Energy Research*, **2020**, 44, 6725-6744	4.5	6
15	Optimization of Microstructure and Mechanical Properties of Hipped Inconel 718 by Various Heat Treatment Processes. *Metallography, Microstructure, and Analysis*, **2019**, 8, 642-655	1.1	4
14	Enhanced hydrogen evolution reaction on highly stable titania-supported PdO and Eu2O3 nanocomposites in a strong alkaline solution. *International Journal of Energy Research*, **2019**, 43, 5367-5383	4.5	15
13	Direct Z-scheme of Cu2O/TiO2 enhanced self-cleaning, antibacterial activity, and UV protection of cotton fiber under sunlight. *Applied Surface Science*, **2019**, 479, 953-962	6.7	58
12	Carbon Nanotubes Nanoporous Anodic Alumina Composite Membranes: Influence of Template on Structural, Chemical, and Transport Properties. *Journal of Physical Chemistry C*, **2017**, 121, 13634-13644	3.8	11
11	Influence of surface chemistry on the ionic conductivity of vertically aligned carbon nanotube composite membranes. *RSC Advances*, **2016**, 6, 44288-44296	3.7	1
10	Facile and controllable route for nitrogen doping of carbon nanotubes composite membranes by catalyst-free chemical vapour deposition. *Carbon*, **2016**, 106, 295-305	10.4	8
9	Carbon nanotube-nanoporous anodic alumina composite membranes with controllable inner diameters and surface chemistry: Influence on molecular transport and chemical selectivity. *Carbon*, **2015**, 93, 681-692	10.4	29
8	Membranes: Photoswitchable Membranes Based on Peptide-Modified Nanoporous Anodic Alumina: Toward Smart Membranes for On-Demand Molecular Transport (Adv. Mater. 19/2015). *Advanced Materials*, **2015**, 27, 2950-2950	24	
7	Photoswitchable membranes based on peptide-modified nanoporous anodic alumina: toward smart membranes for on-demand molecular transport. *Advanced Materials*, **2015**, 27, 3019-24	24	34
6	Localized drug delivery of selenium (Se) using nanoporous anodic aluminium oxide for bone implants. *Journal of Materials Chemistry B*, **2015**, 3, 7090-7098	7.3	18
5	Synthesis of Carbon Nanotube-Nanotubular Titania Composites by Catalyst-Free CVD Process: Insights into the Formation Mechanism and Photocatalytic Properties. *ACS Applied Materials & Interfaces*, **2015**, 7, 28361-8	9.5	19
4	Microcarriers: Luminescent Silicon Diatom Replicas: Self-Reporting and Degradable Drug Carriers with Biologically Derived Shape for Sustained Delivery of Therapeutics (Adv. Funct. Mater. 32/2015). *Advanced Functional Materials*, **2015**, 25, 5240-5240	15.6	3
3	Luminescent Silicon Diatom Replicas: Self-Reporting and Degradable Drug Carriers with Biologically Derived Shape for Sustained Delivery of Therapeutics. *Advanced Functional Materials*, **2015**, 25, 5107-5116	15.6	29
2	Influence of dimensions, inter-distance and crystallinity of titania nanotubes (TNTs) on their photocatalytic activity. *Catalysis Science and Technology*, **2014**, 4, 2091-2098	5.5	20
1	Facile fabrication of hollow polyaniline/carbon nanofibers-coated platinum nanohybrid composite electrode as improved anode electrocatalyst for methanol oxidation. *Journal of Materials Science: Materials in Electronics*,1	2.1	1