

Mohammed Alsawat

List of Publications by Citations

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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	Direct Z-scheme of Cu ₂ O/TiO ₂ enhanced self-cleaning, antibacterial activity, and UV protection of cotton fiber under sunlight. <i>Applied Surface Science</i> , 2019 , 479, 953-962	6.7	58
33	Photoswitchable membranes based on peptide-modified nanoporous anodic alumina: toward smart membranes for on-demand molecular transport. <i>Advanced Materials</i> , 2015 , 27, 3019-24	24	34
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) <i>Coatings</i> , 2021 , 11, 388	2.9	32
31	Carbon nanotube-nanoporous anodic alumina composite membranes with controllable inner diameters and surface chemistry: Influence on molecular transport and chemical selectivity. <i>Carbon</i> , 2015 , 93, 681-692	10.4	29
30	Luminescent Silicon Diatom Replicas: Self-Reporting and Degradable Drug Carriers with Biologically Derived Shape for Sustained Delivery of Therapeutics. <i>Advanced Functional Materials</i> , 2015 , 25, 5107-5116	15.6	29
29	Influence of dimensions, inter-distance and crystallinity of titania nanotubes (TNTs) on their photocatalytic activity. <i>Catalysis Science and Technology</i> , 2014 , 4, 2091-2098	5.5	20
28	Synthesis of Carbon Nanotube-Nanotubular Titania Composites by Catalyst-Free CVD Process: Insights into the Formation Mechanism and Photocatalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28361-8	9.5	19
27	Localized drug delivery of selenium (Se) using nanoporous anodic aluminium oxide for bone implants. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7090-7098	7.3	18
26	Enhanced hydrogen evolution reaction on highly stable titania-supported PdO and Eu ₂ O ₃ nanocomposites in a strong alkaline solution. <i>International Journal of Energy Research</i> , 2019 , 43, 5367-5383	4.5	15
25	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. <i>Crystals</i> , 2021 , 11, 882	2.3	14
24	Development of New Thiazole Complexes as Powerful Catalysts for Synthesis of Pyrazole-4-Carbonitrile Derivatives under Ultrasonic Irradiation Condition Supported by DFT Studies. <i>ACS Omega</i> , 2021 , 6, 21071-21086	3.9	13
23	Carbon Nanotubes/Nanoporous Anodic Alumina Composite Membranes: Influence of Template on Structural, Chemical, and Transport Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13634-13644	3.8	11
22	Implementation of La ³⁺ ion substituted M-type strontium hexaferrite powders for enhancement of magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166187	2.8	9
21	Exploring the structural and optical properties of FeS filled graphene/PVA blend for environmental-friendly applications. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	8
20	Facile and controllable route for nitrogen doping of carbon nanotubes composite membranes by catalyst-free chemical vapour deposition. <i>Carbon</i> , 2016 , 106, 295-305	10.4	8
19	Preparation and Characterization of New CrFeO ₃ -Carbon Composite Using Environmentally Friendly Methods to Remove Organic Dye Pollutants from Aqueous Solutions. <i>Crystals</i> , 2021 , 11, 960	2.3	8
18	Crystalline ZnO and ZnO/TiO ₂ nanoparticles derived from tert-butyl N-(2-mercaptoethyl)carbamatozinc(II) chelate: Electrocatalytic studies for H ₂ generation in alkaline electrolytes. <i>International Journal of Energy Research</i> , 2020 , 44, 6725-6744	4.5	6

17	Crafting nanoflower-built MnCo ₂ S ₄ anchored to Ni foam as a prominent energy conversion and energy storage electrode for high-performance supercapacitor applications. <i>Journal of Energy Storage</i> , 2021 , 43, 103155	7.8	6
16	Mesopores silica nanotubes-based sensors for the highly selective and rapid detection of Fe ions in wastewater, boiler system units and biological samples. <i>Analytica Chimica Acta</i> , 2021 , 1180, 338860	6.6	5
15	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. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117416	6	5
14	Optimization of Microstructure and Mechanical Properties of Hipped Inconel 718 by Various Heat Treatment Processes. <i>Metallography, Microstructure, and Analysis</i> , 2019 , 8, 642-655	1.1	4
13	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). <i>Advanced Functional Materials</i> , 2015 , 25, 5240-5240	15.6	3
12	Ternary Au@TiO ₂ /Fe ₂ O ₃ Nanocomposite with Nanoring Structure: Synthesis, Characterization and Photocatalytic Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 4372	3.2	2
11	Developed Process Circuit Flowsheet of Al Amar Ore for Production of Nanocrystalline Ferrite and Improving Gold Recovery. <i>ACS Omega</i> , 2020 , 5, 30858-30870	3.9	1
10	Aggregation behavior and thermodynamic properties of the mixture of sodium carboxymethyl cellulose and cetyltrimethylammonium bromide in numerous temperatures and mixed solvents. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021 ,	3.1	1
9	Influence of surface chemistry on the ionic conductivity of vertically aligned carbon nanotube composite membranes. <i>RSC Advances</i> , 2016 , 6, 44288-44296	3.7	1
8	Facile fabrication of hollow polyaniline/carbon nanofibers-coated platinum nanohybrid composite electrode as improved anode electrocatalyst for methanol oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	1
7	Extremely Effective Visible Light-Driven Generation of Hydrogen by Sol-Gel LaFeO ₃ -Decorated g-C ₃ N ₄ Photocatalyst. <i>Nanoscience and Nanotechnology Letters</i> , 2020 , 12, 1255-1264	0.8	0
6	Enhanced Acidic Hydrogen Evolution on TiO ₂ -Doped Gadolinium Electrocatalysts. <i>Journal of Nanoscience and Technology</i> , 2020 , 6, 911-914	0.8	0
5	FeYO ₃ @rGO nanocomposites: Synthesis, characterization and application in photooxidative degradation of atrazine under visible light. <i>Materials Express</i> , 2021 , 11, 706-716	1.3	0
4	RuO ₂ 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. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, S346-S351	0.7	0
3	Fabrication and characterisation of ZnO@TiO ₂ core/shell nanowires using a versatile kinetics-controlled coating growth method. <i>Applied Surface Science</i> , 2022 , 594, 153463	6.7	0
2	Membranes: Photoswitchable Membranes Based on Peptide-Modified Nanoporous Anodic Alumina: Toward Smart Membranes for On-Demand Molecular Transport (Adv. Mater. 19/2015). <i>Advanced Materials</i> , 2015 , 27, 2950-2950	24	
1	Spectral and Structural Characterization of Metformin with Different Counter Anions: Comparative Analysis and DFT Calculations. <i>Asian Journal of Chemistry</i> , 2021 , 33, 2817-2825	0.4	