

Mohd Shoeb

List of Publications by Year in descending order

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36
papers

1,138
citations

394286

19
h-index

395590

33
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36
all docs

36
docs citations

36
times ranked

1322
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of a Gr-Ag/PIn nanocomposite as a binder free electrode for high-performance supercapacitor application. <i>Surfaces and Interfaces</i> , 2022, 28, 101650.	1.5	8
2	Synthesis, characterisation and corrosion inhibition assessment of a novel ionic liquid-graphene oxide nanohybrid. <i>Journal of Molecular Structure</i> , 2022, 1262, 133027.	1.8	12
3	Phoenix dactylifera mediated green synthesis of Mn doped ZnO nanoparticles and its adsorption performance for methyl orange dye removal: A comparative study. <i>Materials Chemistry and Physics</i> , 2022, 286, 126173.	2.0	20
4	Novel ZrO ₂ -glycine nanocomposite as eco-friendly high temperature corrosion inhibitor for mild steel in hydrochloric acid solution. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
5	Photocatalytic degradation of antibiotic drug and dye pollutants under visible-light irradiation by reduced graphene oxide decorated MoO ₃ /TiO ₂ nanocomposite. <i>Materials Science in Semiconductor Processing</i> , 2022, 150, 106974.	1.9	23
6	Enhanced photocatalytic degradation of antibiotic drug and dye pollutants by graphene-ordered mesoporous silica (SBA 15)/TiO ₂ nanocomposite under visible-light irradiation. <i>Journal of Molecular Liquids</i> , 2021, 324, 114696.	2.3	48
7	Synergistic effect of graphene polyindole nanocomposite for enhanced corrosion protection of aqueous coating in 3.5% NaCl solution for low carbon steel. <i>Nano Select</i> , 2021, 2, 293-302.	1.9	15
8	Synthesis, Characterization and Corrosion Inhibition Performance of Glycine-Functionalized Graphene/Fe ₃ O ₄ Nanocomposite (Gr/Fe@Gly NC) for Mild Steel Corrosion in 1M HCl. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 5489-5503.	1.7	7
9	Structural and electrochemical properties of GO/Mn ₃ O ₄ nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3894-3902.	1.1	6
10	Facile synthesis of polypyrrole coated graphene Gr/Ag@Ag ₂ O/PPy nanocomposites for a rapid and selective response towards ammonia sensing at room temperature. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 223-233.	1.5	7
11	Graphene nickel copper nanocomposite (Gr@NiCu NCs) as a binder free electrode for high energy density supercapacitor and antimicrobial application. <i>Journal of Materiomics</i> , 2021, 7, 815-827.	2.8	15
12	Proline nitrate ionic liquid as high temperature acid corrosion inhibitor for mild steel: Experimental and molecular-level insights. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 333-350.	2.9	61
13	Immobilization of GOx Enzyme on SiO ₂ -Coated Ni-Co Ferrite Nanocomposites as Magnetic Support and Their Antimicrobial and Photocatalytic Activities. <i>ACS Omega</i> , 2021, 6, 33554-33567.	1.6	11
14	Effectiveness of reactive oxygen species generated from rGO/CdS QD heterostructure for photodegradation and disinfection of pollutants in waste water. <i>Materials Science and Engineering C</i> , 2020, 108, 110372.	3.8	36
15	Aspartic di-dodecyl ester hydrochloride acid and its ZnO-NPs derivative, as ingenious green corrosion defiance for carbon steel through theoretical and experimental access. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	11
16	Tailoring a robust nanozyme formulation based on surfactant stabilized lipase immobilized onto newly fabricated magnetic silica anchored graphene nanocomposite: Aggrandized stability and application. <i>Materials Science and Engineering C</i> , 2020, 112, 110883.	3.8	26
17	Enhanced Insecticidal Activity of Thiamethoxam by Zinc Oxide Nanoparticles: A Novel Nanotechnology Approach for Pest Control. <i>ACS Omega</i> , 2020, 5, 1607-1615.	1.6	51
18	Cysteine-silver-gold Nanocomposite as potential stable green corrosion inhibitor for mild steel under acidic condition. <i>Scientific Reports</i> , 2020, 10, 279.	1.6	45

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19	Enhanced Photocatalytic Activity by Tuning of Structural and Optoelectrical Properties of Cr(III) Incorporated TiO ₂ Nanoparticles. <i>Journal of Electronic Materials</i> , 2019, 48, 7203-7215.	1.0	16
20	A novel organic-inorganic hybrid complex based on <i>Cissus quadrangularis</i> plant extract and zirconium acetate as a green inhibitor for mild steel in 1M HCl solution. <i>Applied Surface Science</i> , 2019, 469, 387-403.	3.1	60
21	Graphene-mesoporous anatase TiO ₂ nanocomposite: A highly efficient and recyclable heterogeneous catalyst for one-pot multicomponent synthesis of benzodiazepine derivatives. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3961.	1.7	29
22	Honey mediated green synthesis of graphene based NiO ₂ /Cu ₂ O nanocomposite (Gr@NiO ₂ /Cu ₂ O NCs): Catalyst for the synthesis of functionalized Schiff-base derivatives. <i>Journal of Alloys and Compounds</i> , 2018, 738, 56-71.	2.8	20
23	<i>Azadirachta indica</i> (neem) leaves mediated synthesis of SnO ₂ /NiO nanocomposite and assessment of its photocatalytic activity. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
24	Significant enhancement in photocatalytic performance of Ni doped BiFeO ₃ nanoparticles. <i>Materials Research Express</i> , 2018, 5, 065506.	0.8	36
25	Synthesis and magnetic dispersibility of magnetite decorated reduced graphene oxide. <i>Nano Structures Nano Objects</i> , 2018, 16, 180-184.	1.9	13
26	In Vitro and in Vivo Antimicrobial Evaluation of Graphene-Polyindole (Gr@Pln) Nanocomposite against Methicillin-Resistant <i>Staphylococcus aureus</i> Pathogen. <i>ACS Omega</i> , 2018, 3, 9431-9440.	1.6	33
27	Strong interfacial polarization in graphene/ZnO nanocomposite for high-performance miniscule permittivity materials. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
28	Co-precipitation synthesis and characterization of Co doped SnO ₂ NPs, HSA interaction via various spectroscopic techniques and their antimicrobial and photocatalytic activities. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 554-565.	3.6	101
29	Scaffold of Selenium Nanovectors and Honey Phytochemicals for Inhibition of <i>Pseudomonas aeruginosa</i> Quorum Sensing and Biofilm Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 93.	1.8	79
30	Anthelmintic Effect of Biocompatible Zinc Oxide Nanoparticles (ZnO NPs) on <i>Gigantocotyle explanatum</i> , a Neglected Parasite of Indian Water Buffalo. <i>PLoS ONE</i> , 2015, 10, e0133086.	1.1	41
31	Kinetic Study on Mutagenic Chemical Degradation through Three Pot Synthesized Graphene@ZnO Nanocomposite. <i>PLoS ONE</i> , 2015, 10, e0135055.	1.1	39
32	Synthesis of graphene/zirconium oxide nanocomposite photocatalyst for the removal of rhodamineB dye from aqueous environment. <i>Journal of Alloys and Compounds</i> , 2015, 651, 598-607.	2.8	55
33	Variation in band gap of lanthanum chromate by transition metals doping LaCr _{0.9} A _{0.1} O ₃ (A:Fe/Co/Ni). , 2014, , .		6
34	Synthesis and characterization of structural, optical, thermal and dielectric properties of polyaniline/CoFe ₂ O ₄ nanocomposites with special reference to photocatalytic activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 313-321.	2.0	97
35	ROS-dependent anticandidal activity of zinc oxide nanoparticles synthesized by using egg albumen as a biotemplate. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 035015.	0.7	93
36	Investigation into the highly efficient <i>Artemisia absinthium</i> -silver nanoparticles composite as a novel environmentally benign corrosion inhibitor for mild steel in 1M HCl. <i>Journal of Adhesion Science and Technology</i> , 0, , 1-26.	1.4	3