Mohd Shoeb

List of Publications by Year
in descending order

36 papers	1,138 citations	394286 19 h-index	395590 33 g-index
36 all docs	36 docs citations	36 times ranked	1322 citing authors

#	Article	IF	Citations
1	Co-precipitation synthesis and characterization of Co doped SnO 2 NPs, HSA interaction via various spectroscopic techniques and their antimicrobial and photocatalytic activities. International Journal of Biological Macromolecules, 2017, 94, 554-565.	3.6	101
2	Synthesis and characterization of structural, optical, thermal and dielectric properties of polyaniline/CoFe2O4 nanocomposites with special reference to photocatalytic activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 313-321.	2.0	97
3	ROS-dependent anticandidal activity of zinc oxide nanoparticles synthesized by using egg albumen as a biotemplate. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 035015.	0.7	93
4	Scaffold of Selenium Nanovectors and Honey Phytochemicals for Inhibition of Pseudomonas aeruginosa Quorum Sensing and Biofilm Formation. Frontiers in Cellular and Infection Microbiology, 2017, 7, 93.	1.8	79
5	Proline nitrate ionic liquid as high temperature acid corrosion inhibitor for mild steel: Experimental and molecular-level insights. Journal of Industrial and Engineering Chemistry, 2021, 100, 333-350.	2.9	61
6	A novel organic-inorganic hybrid complex based on Cissus quadrangularis plant extract and zirconium acetate as a green inhibitor for mild steel in 1â€¯M HCl solution. Applied Surface Science, 2019, 469, 387-403.	3.1	60
7	Synthesis of graphene/zirconium oxide nanocomposite photocatalyst for the removal of rhodamineB dye from aqueous environment. Journal of Alloys and Compounds, 2015, 651, 598-607.	2.8	55
8	Enhanced Insecticidal Activity of Thiamethoxam by Zinc Oxide Nanoparticles: A Novel Nanotechnology Approach for Pest Control. ACS Omega, 2020, 5, 1607-1615.	1.6	51
9	Enhanced photocatalytic degradation of antibiotic drug and dye pollutants by graphene-ordered mesoporous silica (SBA 15)/TiO2 nanocomposite under visible-light irradiation. Journal of Molecular Liquids, 2021, 324, 114696.	2.3	48
10	Cysteine-silver-gold Nanocomposite as potential stable green corrosion inhibitor for mild steel under acidic condition. Scientific Reports, 2020, 10, 279.	1.6	45
11	Anthelmintic Effect of Biocompatible Zinc Oxide Nanoparticles (ZnO NPs) on Gigantocotyle explanatum, a Neglected Parasite of Indian Water Buffalo. PLoS ONE, 2015, 10, e0133086.	1.1	41
12	Kinetic Study on Mutagenic Chemical Degradation through Three Pot Synthesiszed Graphene@ZnO Nanocomposite. PLoS ONE, 2015, 10, e0135055.	1.1	39
13	Significant enhancement in photocatalytic performance of Ni doped BiFeO₃ nanoparticles. Materials Research Express, 2018, 5, 065506.	0.8	36
14	Effectiveness of reactive oxygen species generated from rGO/CdS QD heterostructure for photodegradation and disinfection of pollutants in waste water. Materials Science and Engineering C, 2020, 108, 110372.	3.8	36
15	In Vitro and in Vivo Antimicrobial Evaluation of Grapheneâ€“Polyindole (Gr@PIn) Nanocomposite against Methicillin-Resistant Staphylococcus aureus Pathogen. ACS Omega, 2018, 3, 9431-9440.	1.6	33
16	Grapheneâ€mesoporous anatase TiO₂ nanocomposite: A highly efficient and recyclable heterogeneous catalyst for oneâ€pot multicomponent synthesis of benzodiazepine derivatives. Applied Organometallic Chemistry, 2018, 32, e3961.	1.7	29
17	Tailoring a robust nanozyme formulation based on surfactant stabilized lipase immobilized onto newly fabricated magnetic silica anchored graphene nanocomposite: Aggrandized stability and application. Materials Science and Engineering C, 2020, 112, 110883.	3.8	26
18	Photocatalytic degradation of antibiotic drug and dye pollutants under visible-light irradiation by reduced graphene oxide decorated MoO3/TiO2 nanocomposite. Materials Science in Semiconductor Processing, 2022, 150, 106974.	1.9	23

#	Article	IF	Citations
19	Honey mediated green synthesis of graphene based NiO2/Cu2O nanocomposite (Gr@NiO2/Cu2O NCs): Catalyst for the synthesis of functionalized Schiff-base derivatives. Journal of Alloys and Compounds, 2018, 738, 56-71.	2.8	20
20	Phoenix dactylifera mediated green synthesis of Mn doped ZnO nanoparticles and its adsorption performance for methyl orange dye removal: A comparative study. Materials Chemistry and Physics, 2022, 286, 126173.	2.0	20
21	Enhanced Photocatalytic Activity by Tuning of Structural and Optoelectrical Properties of Cr(III) Incorporated TiO2 Nanoparticles. Journal of Electronic Materials, 2019, 48, 7203-7215.	1.0	16
22	Synergistic effect of graphene polyindole nanocomposite for enhanced corrosion protection of aqueous coating in 3.5% NaCl solution for low carbon steel. Nano Select, 2021, 2, 293-302.	1.9	15
23	Graphene nickel copper nanocomposite (Gr@NiCu NCs) as a binder free electrode for high energy density supercapacitor and antimicrobial application. Journal of Materiomics, 2021, 7, 815-827.	2.8	15
24	Synthesis and magnetic dispersibility of magnetite decorated reduced graphene oxide. Nano Structures Nano Objects, 2018, 16, 180-184.	1.9	13
25	Synthesis, characterisation and corrosion inhibition assessment of a novel ionic liquid-graphene oxide nanohybrid. Journal of Molecular Structure, 2022, 1262, 133027.	1.8	12
26	Aspartic di-dodecyl ester hydrochloride acid and its ZnO-NPs derivative, as ingenious green corrosion defiance for carbon steel through theoretical and experimental access. SN Applied Sciences, 2020, 2, 1.	1.5	11
27	Immobilization of GOx Enzyme on SiO₂-Coated Niâ€“Co Ferrite Nanocomposites as Magnetic Support and Their Antimicrobial and Photocatalytic Activities. ACS Omega, 2021, 6, 33554-33567.	1.6	11
28	Novel ZrO2-glycine nanocomposite as eco-friendly high temperature corrosion inhibitor for mild steel in hydrochloric acid solution. Scientific Reports, 2022, 12, .	1.6	10
29	Facile synthesis of a Gr-Ag/PIn nanocomposite as a binder free electrode for high-performance supercapacitor application. Surfaces and Interfaces, 2022, 28, 101650.	1.5	8
30	Synthesis, Characterization and Corrosion Inhibition Performance of Glycine-Functionalized Graphene/Fe3O4 Nanocomposite (Gr/Fe@Gly NC) for Mild Steel Corrosion in 1ÂM HCl. Arabian Journal for Science and Engineering, 2021, 46, 5489-5503.	1.7	7
31	Facile synthesis of polypyrrole coated graphene Gr/Agâ€“Ag2O/PPy nanocomposites for a rapid and selective response towards ammonia sensing at room temperature. Journal of Science: Advanced Materials and Devices, 2021, 6, 223-233.	1.5	7
32	Variation in band gap of lanthanum chromate by transition metals doping LaCr0.9A0.1O3 (A:Fe/Co/Ni). , 2014, , .		6
33	Structural and electrochemical properties of GO/Mn3O4 nanocomposite. Journal of Materials Science: Materials in Electronics, 2021, 32, 3894-3902.	1.1	6
34	Azadirachta indica (neem) leaves mediated synthesis of SnO2/NiO nanocomposite and assessment of its photocatalytic activity. AIP Conference Proceedings, 2018, , .	0.3	3
35	Investigation into the highly efficient Artemisia absinthium-silver nanoparticles composite as a novel environmentally benign corrosion inhibitor for mild steel in 1M HCl. Journal of Adhesion Science and Technology, 0, , 1-26.	1.4	3
36	Strong interfacial polarization in graphene/ZnO nanocomposite for high-performance miniscule permittivity materials. AIP Conference Proceedings, 2018, , .	0.3	2