

Md Abu Bin Hasan Susan

List of Publications by Year in descending order

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39
papers

616
citations

759233

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h-index

642732

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times ranked

653
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Nanomaterials for Photocatalytic Degradation of Toxic Organic Compounds. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 118-144.	1.6	3
2	Green Polymer Nanocomposites in Automotive and Packaging Industries. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 145-163.	1.6	11
3	Supercapacitive Behaviour of Manganese Dioxide/Tungsten Bronze Composites. <i>ECS Transactions</i> , 2022, 107, 12435-12450.	0.5	5
4	Highly robust, novel aluminum counter cation-based monophosphate tungsten bronze electro-catalysts for oxygen evolution in acidic solution. <i>RSC Advances</i> , 2021, 11, 10681-10687.	3.6	4
5	High-strength potato starch/hectorite clay-based nanocomposite film: synthesis and characterization. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 513-521.	2.4	9
6	Applications of Green Synthesized Nanomaterials in Water Remediation. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 733-761.	1.6	9
7	Solochrome Dark Blue Azo Dye Removal by Sonophotocatalysis Using Mn ²⁺ Doped ZnS Quantum Dots. <i>Catalysts</i> , 2021, 11, 1025.	3.5	10
8	A comprehensive review on Cu ₂ ZnSnS ₄ (CZTS) thin film for solar cell: forecast issues and future anticipation. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	14
9	Atorvastatin-loaded SBA-16 nanostructures: Synthesis, physical characterization, and biochemical alterations in hyperlipidemic rats. <i>Journal of Molecular Structure</i> , 2020, 1202, 127296.	3.6	15
10	1,8-Diazabicyclo[5.4.0]-undec-7-ene based protic ionic liquids and their binary systems with molecular solvents catalyzed Michael addition reaction. <i>New Journal of Chemistry</i> , 2020, 44, 13701-13706.	2.8	3
11	Control Over Diffusion of Ionic Ferrocene Species in Aqueous Solution Using Surfactant Based Organized Media. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116512.	2.9	0
12	Effects of Plasticizers and Clays on the Physical, Chemical, Mechanical, Thermal, and Morphological Properties of Potato Starch-Based Nanocomposite Films. <i>ACS Omega</i> , 2020, 5, 17543-17552.	3.5	36
13	Frontier performance of <i>in situ</i> formed MnO ₂ dispersed over functionalized multi-walled carbon nanotubes covalently anchored to a graphene oxide nanosheet framework as supercapacitor materials. <i>RSC Advances</i> , 2020, 10, 44884-44891.	3.6	8
14	Amine-functionalized metal-organic framework-based Pd nanoparticles: highly efficient multifunctional catalysts for base-free aerobic oxidation of different alcohols. <i>New Journal of Chemistry</i> , 2020, 44, 19113-19121.	2.8	3
15	One-pot synthesis of aprotic ionic liquid through solvent-free alkylation of an organic superbase. <i>Materials Today: Proceedings</i> , 2020, 29, 1020-1024.	1.8	3
16	Cationic Dye Removal Using Novel Magnetic/Activated Charcoal/ β -Cyclodextrin/Alginate Polymer Nanocomposite. <i>Nanomaterials</i> , 2020, 10, 170.	4.1	116
17	Petroleum Hydrocarbon Removal from Wastewaters: A Review. <i>Processes</i> , 2020, 8, 447.	2.8	80
18	Treatment of pharmaceutical wastewater by heterogeneous Fenton process: an innovative approach. <i>Nanotechnology for Environmental Engineering</i> , 2020, 5, 1.	3.3	6

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19	Polyaniline-MnO ₂ composites prepared in-situ during oxidative polymerization of aniline for supercapacitor applications. <i>Materials Today: Proceedings</i> , 2020, 29, 1013-1019.	1.8	21
20	Dual responsive superparamagnetic nanocomposites: Synthesis, characterization and adsorption of nitrate from aqueous solution. <i>Nano Structures Nano Objects</i> , 2019, 19, 100371.	3.5	11
21	Tailored Engineering of Bimetallic Plasmonic Au@Ag Core@Shell Nanoparticles. <i>ACS Omega</i> , 2019, 4, 18061-18075.	3.5	19
22	Aggregation of urea in water: Dynamic light scattering analyses. <i>Journal of Molecular Liquids</i> , 2019, 294, 111612.	4.9	8
23	Polyaniline-NiO Nanocomposites as Tunable Conducting Materials. <i>Materials Today: Proceedings</i> , 2019, 15, 380-387.	1.8	3
24	Ultraslow Relaxation in Aprotic Double Salt Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5577-5587.	2.6	3
25	Synthesis and characterization of highly efficacious Fe-doped ceria nanoparticles for cytotoxic and antifungal activity. <i>Ceramics International</i> , 2019, 45, 7950-7955.	4.8	51
26	Silver/poly(vinyl alcohol) nanocomposite film prepared using water in oil microemulsion for antibacterial applications. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 648-655.	9.4	26
27	Polyaniline-NiO Nanocomposites as Dielectric Materials. <i>Materials Today: Proceedings</i> , 2018, 5, 15267-15276.	1.8	8
28	Inclusion complexes of cyclodextrins with hydrophobic ionic liquids. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 92, 301-309.	1.6	5
29	Thin Layer Chromatography-A Tool to Investigate Kinetics of Michael Addition Reaction. <i>Journal of Scientific Research</i> , 2018, 10, 323-329.	0.3	1
30	Poly(vinyl alcohol)-MnO ₂ nanocomposite films as UV-shielding materials. <i>Polymer Bulletin</i> , 2018, 75, 5629-5643.	3.3	31
31	Nano-Hydroxyapatite Prepared from Eggshell-Derived Calcium-Precursor using Reverse Microemulsions as Nanoreactor. <i>Materials Today: Proceedings</i> , 2017, 4, 5497-5506.	1.8	16
32	Molecular level interactions between 1-ethyl-3-methylimidazolium methanesulphonate and water: Study of physicochemical properties with variation of temperature. <i>Journal of Molecular Liquids</i> , 2017, 225, 621-630.	4.9	21
33	Hydrophilic ionic liquid-assisted control of the size and morphology of ZnO nanoparticles prepared by a chemical precipitation method. <i>RSC Advances</i> , 2016, 6, 92040-92047.	3.6	8
34	Temperature Perturbation on Hydrogen Bonding in Aqueous Solutions at Different Amide Concentrations. <i>ChemistrySelect</i> , 2016, 1, 5789-5800.	1.5	4
35	Transition from amorphous to crystalline state for nickel electrodeposited from an ionic liquid. <i>RSC Advances</i> , 2016, 6, 104620-104623.	3.6	6
36	Calcination temperature-dependent morphology of photocatalytic ZnO nanoparticles prepared by an electrochemical-thermal method. <i>Research on Chemical Intermediates</i> , 2016, 42, 5281-5297.	2.7	21

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37	Acid Hydrolysis of Bromazepam Catalyzed by Micelles, Reverse Micelles, and Microemulsions. Journal of Chemistry, 2015, 2015, 1-10.	1.9	4
38	Effect of Urea on the Kinetics of the Alkaline Hydrolysis of Crystal Violet Catalyzed by Aqueous Micellar Solutions of Cetyltrimethylammonium Bromide. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 764-769.	0.6	2
39	Electrodeposition of cobalt with tunable morphology from reverse micellar solution. Ionics, 2014, 20, 1175-1181.	2.4	12