

# Md Abu Bin Hasan Susan

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

616  
citations

759233

12  
h-index

642732

23  
g-index

39  
all docs

39  
docs citations

39  
times ranked

653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cationic Dye Removal Using Novel Magnetic/Activated Charcoal/ $\beta$ -Cyclodextrin/Alginate Polymer Nanocomposite. <i>Nanomaterials</i> , 2020, 10, 170.	4.1	116
2	Petroleum Hydrocarbon Removal from Wastewaters: A Review. <i>Processes</i> , 2020, 8, 447.	2.8	80
3	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
4	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
5	Poly(vinyl alcohol)-MnO <sub>2</sub> nanocomposite films as UV-shielding materials. <i>Polymer Bulletin</i> , 2018, 75, 5629-5643.	3.3	31
6	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
7	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
8	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
9	Polyaniline-MnO <sub>2</sub> composites prepared in-situ during oxidative polymerization of aniline for supercapacitor applications. <i>Materials Today: Proceedings</i> , 2020, 29, 1013-1019.	1.8	21
10	Tailored Engineering of Bimetallic Plasmonic Au@Ag Core@Shell Nanoparticles. <i>ACS Omega</i> , 2019, 4, 18061-18075.	3.5	19
11	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
12	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
13	A comprehensive review on Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) thin film for solar cell: forecast issues and future anticipation. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	14
14	Electrodeposition of cobalt with tunable morphology from reverse micellar solution. <i>Ionics</i> , 2014, 20, 1175-1181.	2.4	12
15	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
16	Green Polymer Nanocomposites in Automotive and Packaging Industries. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 145-163.	1.6	11
17	Solochrome Dark Blue Azo Dye Removal by Sonophotocatalysis Using Mn <sup>2+</sup> Doped ZnS Quantum Dots. <i>Catalysts</i> , 2021, 11, 1025.	3.5	10
18	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

#	ARTICLE	IF	CITATIONS
19	Applications of Green Synthesized Nanomaterials in Water Remediation. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 733-761.	1.6	9
20	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
21	Polyaniline-NiO Nanocomposites as Dielectric Materials. <i>Materials Today: Proceedings</i> , 2018, 5, 15267-15276.	1.8	8
22	Aggregation of urea in water: Dynamic light scattering analyses. <i>Journal of Molecular Liquids</i> , 2019, 294, 111612.	4.9	8
23	Frontier performance of <i>in situ</i> formed $\text{MnO}_2$ 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
24	Transition from amorphous to crystalline state for nickel electrodeposited from an ionic liquid. <i>RSC Advances</i> , 2016, 6, 104620-104623.	3.6	6
25	Treatment of pharmaceutical wastewater by heterogeneous Fenton process: an innovative approach. <i>Nanotechnology for Environmental Engineering</i> , 2020, 5, 1.	3.3	6
26	Inclusion complexes of cyclodextrins with hydrophobic ionic liquids. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 92, 301-309.	1.6	5
27	Supercapacitive Behaviour of Manganese Dioxide/Tungsten Bronze Composites. <i>ECS Transactions</i> , 2022, 107, 12435-12450.	0.5	5
28	Acid Hydrolysis of Bromazepam Catalyzed by Micelles, Reverse Micelles, and Microemulsions. <i>Journal of Chemistry</i> , 2015, 2015, 1-10.	1.9	4
29	Temperature Perturbation on Hydrogen Bonding in Aqueous Solutions at Different Amide Concentrations. <i>ChemistrySelect</i> , 2016, 1, 5789-5800.	1.5	4
30	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
31	Polyaniline-NiO Nanocomposites as Tunable Conducting Materials. <i>Materials Today: Proceedings</i> , 2019, 15, 380-387.	1.8	3
32	Ultraslow Relaxation in Aprotic Double Salt Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5577-5587.	2.6	3
33	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
34	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
35	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
36	Green Nanomaterials for Photocatalytic Degradation of Toxic Organic Compounds. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, 118-144.	1.6	3

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37	Effect of Urea on the Kinetics of the Alkaline Hydrolysis of Crystal Violet Catalyzed by Aqueous Micellar Solutions of Cetyltrimethylammonium Bromide. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 764-769.	0.6	2
38	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
39	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