

Tajamal Hussain

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

917
citations

567281

15
h-index

454955

30
g-index

42
all docs

42
docs citations

42
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible applications of coal fly ash in wastewater treatment. <i>Journal of Environmental Management</i> , 2019, 240, 27-46.	7.8	184
2	Nanocatalytic Assemblies for Catalytic Reduction of Nitrophenols: A Critical Review. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 322-338.	3.5	118
3	Complementary percolation characteristics of carbon fillers based electrically percolative thermoplastic elastomer composites. <i>Composites Science and Technology</i> , 2011, 72, 28-35.	7.8	83
4	Effect of crosslinker feed content on catalytic activity of silver nanoparticles fabricated in multiresponsive microgels. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1674-1680.	2.7	56
5	Molecularly Imprinted Nanomaterials for Sensor Applications. <i>Nanomaterials</i> , 2013, 3, 615-637.	4.1	53
6	All-organic PANI-DBSA/PVDF dielectric composites with unique electrical properties. <i>Journal of Materials Science</i> , 2013, 48, 3737-3744.	3.7	49
7	Degradation of acetamiprid using graphene-oxide-based metal (Mn and Ni) ferrites as Fenton-like photocatalysts. <i>Water Science and Technology</i> , 2020, 81, 178-189.	2.5	39
8	Tailoring Imprinted Titania Nanoparticles for Purines Recognition. <i>Journal of Materials</i> , 2015, 2015, 1-5.	0.1	35
9	Influence of carbon nanotube dimensions on the percolation characteristics of carbon nanotube/polymer composites. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	32
10	Microbial fuel cells preferred technology to prevail energy crisis. <i>International Journal of Energy Research</i> , 2021, 45, 8370-8388.	4.5	26
11	Phragmites karkaas a Biosorbent for the Removal of Mercury Metal Ions from Aqueous Solution: Effect of Modification. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	1.9	25
12	Polyaniline/silver decorated MWCNT composites with enhanced electrical and thermal properties. <i>Polymer Composites</i> , 2018, 39, E1346.	4.6	21
13	On Refining the Relationship between Aspect Ratio and Percolation Threshold of Practical Carbon Nanotubes/Polymer Nanocomposites. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 080214.	1.5	20
14	Effect of the carbon nanotube size dispersity on the electrical properties and pressure sensing of the polymer composites. <i>Journal of Materials Science</i> , 2016, 51, 11014-11020.	3.7	20
15	On Refining the Relationship between Aspect Ratio and Percolation Threshold of Practical Carbon Nanotubes/Polymer Nanocomposites. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 080214.	1.5	16
16	Determination of sitagliptin in human plasma using a smart electrochemical sensor based on electroactive molecularly imprinted nanoparticles. <i>Nanoscale Advances</i> , 2021, 3, 4276-4285.	4.6	14
17	Molecularly imprinted titania nanoparticles for selective recognition and assay of uric acid. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 527-534.	3.1	13
18	Synthesis and antibacterial potential of hybrid nanocomposites based on polyorthochloroaniline/copper nanofiller. <i>Polymer Composites</i> , 2018, 39, 4524-4531.	4.6	12

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19	Surfactant Incorporated Co Nanoparticles Polymer Composites with Uniform Dispersion and Double Percolation. <i>Journal of Chemistry</i> , 2017, 2017, 1-6.	1.9	10
20	Effect of Varying Amount of Polyethylene Glycol (PEG-600) and 3-Aminopropyltriethoxysilane on the Properties of Chitosan based Reverse Osmosis Membranes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2290.	4.1	10
21	Developing imprinted polymer nanoparticles for the selective separation of antidiabetic drugs. <i>Journal of Separation Science</i> , 2015, 38, 3469-3476.	2.5	9
22	A miniaturized electronic sensor for instant monitoring of ethanol in gasohol fuel blends. <i>RSC Advances</i> , 2018, 8, 22952-22962.	3.6	9
23	Molecularly Imprinted Polymer-Silica Hybrid Particles for Biomimetic Recognition of Target Drugs. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-7.	1.7	9
24	Fabrication and dialysis performance of functionalized multiwall carbon nanotubes integrated cellulose acetate/poly(vinylpyrrolidone) membranes. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 872-880.	7.5	9
25	Synthesis of antibacterial poly(o-chloroaniline)/chromium hybrid composites with enhanced electrical conductivity. <i>Chemistry Central Journal</i> , 2018, 12, 46.	2.6	7
26	Formation of self-ordered porous anodized alumina template for growing tungsten trioxide nanowires. <i>International Nano Letters</i> , 2015, 5, 37-41.	5.0	6
27	Tailoring electrical and thermal properties of polymethyl methacrylate-carbon nanotubes composites through polyaniline and dodecyl benzene sulphonic acid impregnation. <i>Polymer Composites</i> , 2018, 39, E1052.	4.6	6
28	Highly Stable APTES Incorporated CNTs Based Ternary Polymer Composites with Improved Dielectric and Thermal Properties. <i>Silicon</i> , 2022, 14, 10807-10816.	3.3	5
29	Structurally modified poly(vinyl alcohol) ionic composites as efficient humidity indicators. <i>Polymer Composites</i> , 2012, 33, 1018-1024.	4.6	4
30	Polystyrene adsorbed multi-walled carbon nanotubes incorporated polymethylmethacrylate composites with modified percolation phenomena. <i>MRS Advances</i> , 2018, 3, 25-30.	0.9	4
31	Nickel Sulfide Nanoparticles Incorporated Poly(methyl methacrylate)-Zirconia Membranes for Ultra Deep Desulfurization of Dibenzothiophene. <i>MRS Advances</i> , 2019, 4, 369-375.	0.9	4
32	High-pressure EPR spectroscopy: paramagnetic exchange of organic radicals with iron (III) acetylacetonate. <i>Molecular Physics</i> , 2013, 111, 2717-2722.	1.7	2
33	Synthesis and investigation of desalinating, antibacterial, and mechanical properties of tetraethylorthosilicate crosslinked chitosan/polyethylene glycol (PEG-600) membranes for reverse osmosis. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48870.	2.6	2
34	A review on biomass selection criteria and its preliminary test for pyrolysis technique. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-12.	3.3	2
35	Synthesis and characterization of a novel chitosan-grafted-polyorthoethylaniline biocomposite and utilization for dye removal from water. <i>Open Chemistry</i> , 2020, 18, 843-849.	1.9	2
36	Fabrication of Ag and Ni Nanocatalyst with Enhanced Efficiency. <i>Journal of Chemistry</i> , 2015, 2015, 1-4.	1.9	1

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37	Synthesis of Imprinted Polysiloxanes for Immobilization of Metal ions. Materials Research Society Symposia Proceedings, 2014, 1675, 209-214.	0.1	0
38	Synthesis of SBA-16 Supported Catalyst for CNTs and Dispersion Study of CNTs in Polypyrrole Composite. Materials Research Society Symposia Proceedings, 2014, 1752, 95-100.	0.1	0
39	Surface Reforming of Diamond Particles by the Dispersion Enhancement in Common Liquids. Arabian Journal for Science and Engineering, 2016, 41, 97-103.	1.1	0
40	Applications of Carbon Based Materials in Developing Advanced Energy Storage Devices. , 0, , .		0
41	Developing Molecular Imprinted Layers As Electro-Analytical Probes for Dydrogesterone Determination. ECS Meeting Abstracts, 2016, , .	0.0	0
42	Growth of Transition Metal Nanoclusters to Get Enhanced Catalytic Abilities. ECS Meeting Abstracts, 2016, , .	0.0	0