

H N M Ekramul Mahmud

List of Publications by Year in descending order

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35
papers

1,200
citations

567281
15
h-index

377865
34
g-index

37
all docs

37
docs citations

37
times ranked

1785
citing authors

#	ARTICLE	IF	CITATIONS
1	The removal of heavy metal ions from wastewater/aqueous solution using polypyrrole-based adsorbents: a review. RSC Advances, 2016, 6, 14778-14791.	3.6	323
2	Structural and optical characterization of metal tungstates (MWO ₄ ; M=Ni, Ba, Bi) synthesized by a sucrose-templated method. Chemistry Central Journal, 2013, 7, 80.	2.6	125
3	Influence of adsorption parameters on cesium uptake from aqueous solutions- a brief review. RSC Advances, 2015, 5, 71658-71683.	3.6	102
4	Effects of preparation temperature on the conductivity of polypyrrole conducting polymer. Journal of Chemical Sciences, 2002, 114, 155-162.	1.5	88
5	Fourier transform infrared study of polypyrrole-poly(vinyl alcohol) conducting polymer composite films: Evidence of film formation and characterization. Journal of Applied Polymer Science, 2006, 100, 4107-4113.	2.6	67
6	One-step electrochemical deposition of Polypyrrole-Chitosan-Iron oxide nanocomposite films for non-enzymatic glucose biosensor. Materials Letters, 2016, 183, 90-93.	2.6	53
7	The effect of terminal substituents on crystal structure, mesophase behaviour and optical property of azo-ester linked materials. Liquid Crystals, 2016, 43, 1862-1874.	2.2	51
8	Optical band gap and conductivity measurements of polypyrrole-chitosan composite thin films. Chinese Journal of Polymer Science (English Edition), 2012, 30, 93-100.	3.8	45
9	Physical, optical, and electrical properties of a new conducting polymer. Journal of Materials Science, 2009, 44, 3682-3686.	3.7	44
10	Molecularly imprinted polymers-based DNA biosensors. Analytical Biochemistry, 2021, 630, 114328.	2.4	40
11	Polypyrrole-polyethylene glycol conducting polymer composite films: Preparation and characterization. Synthetic Metals, 2007, 157, 386-389.	3.9	35
12	Recent Approaches to Controlling the Nanoscale Morphology of Polymer-Based Bulk-Heterojunction Solar Cells. Energies, 2013, 6, 5847-5868.	3.1	28
13	An overview of detection techniques for monitoring dioxin-like compounds: latest technique trends and their applications. RSC Advances, 2016, 6, 55415-55429.	3.6	26
14	Polypyrrole-montmorillonite clay composites: An organic semiconductor. Materials Science in Semiconductor Processing, 2007, 10, 246-251.	4.0	23
15	Synthesis and characterization of a new conducting polymer composite. Polymer Science - Series B, 2010, 52, 662-669.	0.8	17
16	Cadmium-109 Radioisotope Adsorption onto Polypyrrole Coated Sawdust of Dryobalanops aromatic: Kinetics and Adsorption Isotherms Modelling. PLoS ONE, 2016, 11, e0164119.	2.5	14
17	Nanoconducting polymer: an effective adsorbent for dyes. Chemical Papers, 2021, 75, 5173-5185.	2.2	13
18	Synthesis, thermal stability, optical and electrochemical properties of halogen terminated azo-benzothiazole mesogen containing smectic side chain liquid crystalline polymers. Journal of Polymer Research, 2014, 21, 1.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Processable dodecylbenzene sulfonic acid (DBSA) doped poly(N-vinyl carbazole)-poly(pyrrole) for optoelectronic applications. Designed Monomers and Polymers, 2017, 20, 368-377.	1.6	12
20	Simple indoline based donor-acceptor dye for high efficiency dye-sensitized solar cells. Materials Chemistry and Physics, 2013, 142, 82-86.	4.0	10
21	Adsorption kinetics, equilibrium and radiation effect studies of radioactive cesium by polymer-based adsorbent. Journal of Vinyl and Additive Technology, 2018, 24, 347-357.	3.4	10
22	Remediation of ¹³⁷ Cs radionuclide in nuclear waste effluents by polymer composite: adsorption kinetics, isotherms and gamma irradiation studies. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 933-945.	1.5	10
23	Scalable fabrication of chitosan-grafted silica bionanocomposite for the superb sequestration of anionic dye from aqueous solution. Emergent Materials, 2020, 3, 871-879.	5.7	10
24	Optoelectrical and photoluminescence quenching properties of poly(N- vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (carbazole)-p	3.9	7
25	Investigation of cerium-139 radioisotope adsorption by conducting polymer composite. Polymer Bulletin, 2018, 75, 2491-2509.	3.3	7
26	Mesomorphic, optical, dielectric, and electro-optic properties of azo-ester materials: Effect of lateral methyl and terminal substituents. Journal of Molecular Liquids, 2021, 336, 116308.	4.9	5
27	Title is missing!. ScienceAsia, 2005, 31, 313.	0.5	4
28	Equilibrium, kinetics, and thermodynamics studies of polypyrrole adsorbent for arsenic ions. Water Science and Technology: Water Supply, 2018, 18, 240-250.	2.1	3
29	Liquid crystal and photophysical properties of laterally fluorinated azo-ester materials. Liquid Crystals, 2022, 49, 633-646.	2.2	3
30	Organic conductor: Influence of preparation temperature. Journal of Materials Processing Technology, 2009, 209, 3931-3936.	6.3	2
31	Removal of Nickel Ions from Aqueous Solution by Polypyrrole Conducting Polymer. Key Engineering Materials, 0, 594-595, 793-797.	0.4	2
32	Effect of Incremental Curing Agent Additions on Thermal Degradation of Polydimethylsiloxane in Air: A Kinetic Study. Asian Journal of Chemistry, 2014, 26, 4486-4488.	0.3	2
33	Development and Characterization of Polypyrrole-Based Nanocomposite Adsorbent and Its Applications in Removal of Radioactive Materials. IFMBE Proceedings, 2016, , 30-35.	0.3	2
34	Self-plasticizing Membrane Based on Co(II)-porphyrin Modified with Silver Nanoparticles for Thiocyanate Detection. Sensors and Materials, 2019, 31, 2619.	0.5	2
35	Simulation of Electrical Properties of Iron Oxide and Titanium Dioxide - Polypyrrole Nanocomposite for Halal Biosensor. , 2020, , .		0