

# H N M Ekramul Mahmud

## List of Publications by Year in descending order

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35  
papers

1,200  
citations

566801

15  
h-index

377514

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.	1.7	323
2	Structural and optical characterization of metal tungstates (MWO <sub>4</sub> ; 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.	1.7	102
4	Effects of preparation temperature on the conductivity of polypyrrole conducting polymer. Journal of Chemical Sciences, 2002, 114, 155-162.	0.7	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.	1.3	67
6	One-step electrochemical deposition of Polypyrrole-Chitosan-Iron oxide nanocomposite films for non-enzymatic glucose biosensor. Materials Letters, 2016, 183, 90-93.	1.3	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.	0.9	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.	2.0	45
9	Physical, optical, and electrical properties of a new conducting polymer. Journal of Materials Science, 2009, 44, 3682-3686.	1.7	44
10	Molecularly imprinted polymers-based DNA biosensors. Analytical Biochemistry, 2021, 630, 114328.	1.1	40
11	Polypyrrole-polyethylene glycol conducting polymer composite films: Preparation and characterization. Synthetic Metals, 2007, 157, 386-389.	2.1	35
12	Recent Approaches to Controlling the Nanoscale Morphology of Polymer-Based Bulk-Heterojunction Solar Cells. Energies, 2013, 6, 5847-5868.	1.6	28
13	An overview of detection techniques for monitoring dioxin-like compounds: latest technique trends and their applications. RSC Advances, 2016, 6, 55415-55429.	1.7	26
14	Polypyrrole-montmorillonite clay composites: An organic semiconductor. Materials Science in Semiconductor Processing, 2007, 10, 246-251.	1.9	23
15	Synthesis and characterization of a new conducting polymer composite. Polymer Science - Series B, 2010, 52, 662-669.	0.3	17
16	Cadmium-109 Radioisotope Adsorption onto Polypyrrole Coated Sawdust of Dryobalanops aromatic: Kinetics and Adsorption Isotherms Modelling. PLoS ONE, 2016, 11, e0164119.	1.1	14
17	Nanoconducting polymer: an effective adsorbent for dyes. Chemical Papers, 2021, 75, 5173-5185.	1.0	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.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Processable dodecylbenzene sulfonic acid (DBSA) doped poly(N-vinyl carbazole)-poly(pyrrole) for optoelectronic applications. <i>Designed Monomers and Polymers</i> , 2017, 20, 368-377.	0.7	12
20	Simple indoline based donor-acceptor dye for high efficiency dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , 2013, 142, 82-86.	2.0	10
21	Adsorption kinetics, equilibrium and radiation effect studies of radioactive cesium by polymer-based adsorbent. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, 347-357.	1.8	10
22	Remediation of <sup>137</sup> Cs radionuclide in nuclear waste effluents by polymer composite: adsorption kinetics, isotherms and gamma irradiation studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 933-945.	0.7	10
23	Scalable fabrication of chitosan-grafted silica bionanocomposite for the superb sequestration of anionic dye from aqueous solution. <i>Emergent Materials</i> , 2020, 3, 871-879.	3.2	10
24	Optoelectrical and photoluminescence quenching properties of poly(N-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (carbazole)-p	2.1	7
25	Investigation of cerium-139 radioisotope adsorption by conducting polymer composite. <i>Polymer Bulletin</i> , 2018, 75, 2491-2509.	1.7	7
26	Mesomorphic, optical, dielectric, and electro-optic properties of azo-ester materials: Effect of lateral methyl and terminal substituents. <i>Journal of Molecular Liquids</i> , 2021, 336, 116308.	2.3	5
27	Title is missing!. <i>ScienceAsia</i> , 2005, 31, 313.	0.2	4
28	Equilibrium, kinetics, and thermodynamics studies of polypyrrole adsorbent for arsenic ions. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 240-250.	1.0	3
29	Liquid crystal and photophysical properties of laterally fluorinated azo-ester materials. <i>Liquid Crystals</i> , 2022, 49, 633-646.	0.9	3
30	Organic conductor: Influence of preparation temperature. <i>Journal of Materials Processing Technology</i> , 2009, 209, 3931-3936.	3.1	2
31	Removal of Nickel Ions from Aqueous Solution by Polypyrrole Conducting Polymer. <i>Key Engineering Materials</i> , 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. <i>Asian Journal of Chemistry</i> , 2014, 26, 4486-4488.	0.1	2
33	Development and Characterization of Polypyrrole-Based Nanocomposite Adsorbent and Its Applications in Removal of Radioactive Materials. <i>IFMBE Proceedings</i> , 2016, , 30-35.	0.2	2
34	Self-plasticizing Membrane Based on Co(II)-porphyrin Modified with Silver Nanoparticles for Thiocyanate Detection. <i>Sensors and Materials</i> , 2019, 31, 2619.	0.3	2
35	Simulation of Electrical Properties of Iron Oxide and Titanium Dioxide - Polypyrrole Nanocomposite for Halal Biosensor. , 2020, , .		0