

# Iftikhar Ahmed

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

833  
citations

623734

14  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1139  
citing authors

#	ARTICLE	IF	CITATIONS
1	A short review on reverse osmosis pretreatment technologies. <i>Desalination</i> , 2014, 354, 30-38.	8.2	264
2	Experimental investigation and artificial neural networks ANNs modeling of electrically-enhanced membrane bioreactor for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2016, 11, 88-97.	5.6	95
3	Impact of continuous and intermittent supply of electric field on the function and microbial community of wastewater treatment electro-bioreactors. <i>Electrochimica Acta</i> , 2015, 181, 271-279.	5.2	73
4	A molecular photovoltaic system based on Dawson type polyoxometalate and porphyrin formed by layer-by-layer self assembly. <i>Chemical Communications</i> , 2013, 49, 496-498.	4.1	61
5	Enhanced sludge properties and distribution study of sludge components in electrically-enhanced membrane bioreactor. <i>Journal of Environmental Management</i> , 2015, 159, 78-85.	7.8	53
6	Synthesis and characterization of conjugated Dawson-type polyoxometalate-porphyrin copolymers. <i>Dalton Transactions</i> , 2013, 42, 12688.	3.3	46
7	Easy methods for the electropolymerization of porphyrins based on the oxidation of the macrocycles. <i>Electrochimica Acta</i> , 2011, 56, 10454-10463.	5.2	40
8	Porphyrin-polyoxometalate hybrids connected via a Tris-alkoxo linker for the generation of photocurrent. <i>Electrochimica Acta</i> , 2013, 110, 726-734.	5.2	36
9	Photocatalytic synthesis of silver dendrites using electrostatic hybrid films of porphyrin-polyoxometalate. <i>Applied Catalysis A: General</i> , 2012, 447-448, 89-99.	4.3	24
10	Green thin film for stable electrical switching in a low-cost washable memory device: proof of concept. <i>RSC Advances</i> , 2021, 11, 4327-4338.	3.6	20
11	Biomaterial-Induced Stable Resistive Switching Mechanism in TiO <sub>2</sub> Thin Films: The Role of Active Interstitial Sites/Ions in Minimum Current Leakage and Superior Bioactivity. <i>ACS Omega</i> , 2020, 5, 19050-19060.	3.5	19
12	Electrosynthesis and electrochemical properties of porphyrin dimers with pyridinium as bridging spacer. <i>New Journal of Chemistry</i> , 2011, 35, 2534.	2.8	18
13	Super Hydrophilic Activated Carbon Decorated Nanopolymer Foam for Scalable, Energy Efficient Photothermal Steam Generation, as an Effective Desalination System. <i>Nanomaterials</i> , 2020, 10, 2510.	4.1	18
14	Spectroscopic and Electrochemical Study of the Interconversion and Decomplexation of Cobalt(II) Sandwich Polyoxometalates Based on a Dawson-Type Anion. <i>Inorganic Chemistry</i> , 2012, 51, 8202-8211.	4.0	16
15	Electrokinetic pretreatment of seawater to decrease the Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> and bacteria contents in membrane desalination applications. <i>Desalination</i> , 2017, 403, 107-116.	8.2	13
16	Antioxidant, and enhanced flexible nano porous scaffolds for bone tissue engineering applications. <i>Nano Select</i> , 2021, 2, 1356-1367.	3.7	8
17	Membrane Technology for Microalgae Harvesting. , 2020, , 97-110.		7
18	Low-cost green recyclable biomaterial for energy-dependent electrical switching and intact biofilm with antibacterial properties. <i>Scientific Reports</i> , 2020, 10, 14600.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Deposited over Self-Floating Facial Sponge for Facile Interfacial Seawater Solar Desalination. Crystals, 2021, 11, 1509.	2.2	6
20	A Scalable Prototype by In Situ Polymerization of Biodegradables, Cross-Linked Molecular Mode of Vapor Transport, and Metal Ion Rejection for Solar-Driven Seawater Desalination. Crystals, 2021, 11, 1489.	2.2	5
21	Study of bleaching of old newsprint recycled paper: reproduction of newspaper material. Materials Research Express, 2021, 8, 085305.	1.6	2
22	Modified fiber optic sensor for highly precise identification of mercuric ion (Hg <sup>2+</sup> ) concentrations in aqueous solution. Engineering Research Express, 2021, 3, 025001.	1.6	0