

Iftikhar Ahmed

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8867484/publications.pdf>

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	Green thin film for stable electrical switching in a low-cost washable memory device: proof of concept. RSC Advances, 2021, 11, 4327-4338.	3.6	20
2	Modified fiber optic sensor for highly precise identification of mercuric ion (Hg ²⁺) concentrations in aqueous solution. Engineering Research Express, 2021, 3, 025001.	1.6	0
3	Study of bleaching of old newsprint recycled paper: reproduction of newspaper material. Materials Research Express, 2021, 8, 085305.	1.6	2
4	Antioxidant, and enhanced flexible nano porous scaffolds for bone tissue engineering applications. Nano Select, 2021, 2, 1356-1367.	3.7	8
5	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
6	Fe ₂ O ₃ Nanoparticles Deposited over Self-Floating Facial Sponge for Facile Interfacial Seawater Solar Desalination. Crystals, 2021, 11, 1509.	2.2	6
7	Membrane Technology for Microalgae Harvesting. , 2020, , 97-110.		7
8	Biomaterial-Induced Stable Resistive Switching Mechanism in TiO ₂ Thin Films: The Role of Active Interstitial Sites/Ions in Minimum Current Leakage and Superior Bioactivity. ACS Omega, 2020, 5, 19050-19060.	3.5	19
9	Low-cost green recyclable biomaterial for energy-dependent electrical switching and intact biofilm with antibacterial properties. Scientific Reports, 2020, 10, 14600.	3.3	7
10	Super Hydrophilic Activated Carbon Decorated Nanopolymer Foam for Scalable, Energy Efficient Photothermal Steam Generation, as an Effective Desalination System. Nanomaterials, 2020, 10, 2510.	4.1	18
11	Electrokinetic pretreatment of seawater to decrease the Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻ and bacteria contents in membrane desalination applications. Desalination, 2017, 403, 107-116.	8.2	13
12	Experimental investigation and artificial neural networks ANNs modeling of electrically-enhanced membrane bioreactor for wastewater treatment. Journal of Water Process Engineering, 2016, 11, 88-97.	5.6	95
13	Impact of continuous and intermittent supply of electric field on the function and microbial community of wastewater treatment electro-bioreactors. Electrochimica Acta, 2015, 181, 271-279.	5.2	73
14	Enhanced sludge properties and distribution study of sludge components in electrically-enhanced membrane bioreactor. Journal of Environmental Management, 2015, 159, 78-85.	7.8	53
15	A short review on reverse osmosis pretreatment technologies. Desalination, 2014, 354, 30-38.	8.2	264
16	Porphyrin-polyoxometalate hybrids connected via a Tris-alkoxo linker for the generation of photocurrent. Electrochimica Acta, 2013, 110, 726-734.	5.2	36
17	A molecular photovoltaic system based on Dawson type polyoxometalate and porphyrin formed by layer-by-layer self assembly. Chemical Communications, 2013, 49, 496-498.	4.1	61
18	Synthesis and characterization of conjugated Dawson-type polyoxometalate-porphyrin copolymers. Dalton Transactions, 2013, 42, 12688.	3.3	46

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Electrosynthesis and electrochemical properties of porphyrin dimers with pyridinium as bridging spacer. <i>New Journal of Chemistry</i> , 2011, 35, 2534.	2.8	18
22	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