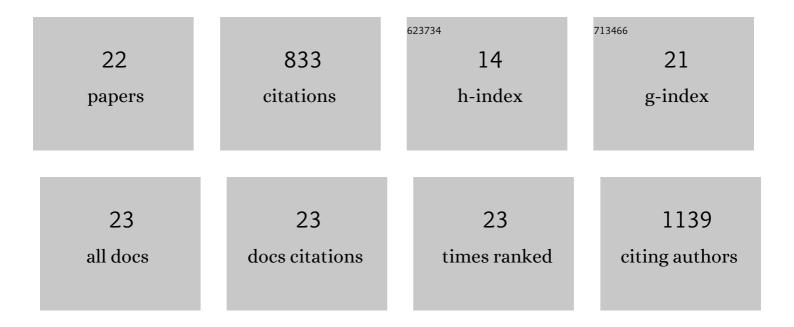
## Iftikhar Ahmed

List of Publications by Year in descending order

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| #  | Article   | lF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A short review on reverse osmosis pretreatment technologies. Desalination, 2014, 354, 30-38.  | 8.2 | 264       |
| 2  | Experimental investigation and artificial neural networks ANNs modeling of electrically-enhanced<br>membrane bioreactor for wastewater treatment. Journal of Water Process Engineering, 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. Electrochimica Acta, 2015, 181, 271-279.                                    | 5.2 | 73        |
| 4  | A molecular photovoltaic system based on Dawson type polyoxometalate and porphyrin formed by<br>layer-by-layer self assembly. Chemical Communications, 2013, 49, 496-498.   | 4.1 | 61        |
| 5  | 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        |
| 6  | Synthesis and characterization of conjugated Dawson-type polyoxometalate–porphyrin copolymers.<br>Dalton Transactions, 2013, 42, 12688.   | 3.3 | 46        |
| 7  | Easy methods for the electropolymerization of porphyrins based on the oxidation of the macrocycles.<br>Electrochimica Acta, 2011, 56, 10454-10463.  | 5.2 | 40        |
| 8  | Porphyrin–polyoxometalate hybrids connected via a Tris-alkoxo linker for the generation of photocurrent. Electrochimica Acta, 2013, 110, 726-734.   | 5.2 | 36        |
| 9  | Photocatalytic synthesis of silver dendrites using electrostatic hybrid films of<br>porphyrin–polyoxometalate. Applied Catalysis A: General, 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. RSC Advances, 2021, 11, 4327-4338.  | 3.6 | 20        |
| 11 | Biomaterial-Induced Stable Resistive Switching Mechanism in TiO <sub>2</sub> Thin Films: The Role of<br>Active Interstitial Sites/Ions in Minimum Current Leakage and Superior Bioactivity. ACS Omega, 2020, 5,<br>19050-19060. | 3.5 | 19        |
| 12 | Electrosynthesis and electrochemical properties of porphyrin dimers with pyridinium as bridging spacer. New Journal of Chemistry, 2011, 35, 2534.   | 2.8 | 18        |
| 13 | Super Hydrophilic Activated Carbon Decorated Nanopolymer Foam for Scalable, Energy Efficient<br>Photothermal Steam Generation, as an Effective Desalination System. Nanomaterials, 2020, 10, 2510.                              | 4.1 | 18        |
| 14 | Spectroscopic and Electrochemical Study of the Interconversion and Decomplexation of Cobalt(II)<br>Sandwich Polyoxometalates Based on a Dawson-Type Anion. Inorganic Chemistry, 2012, 51, 8202-8211.                            | 4.0 | 16        |
| 15 | Electrokinetic pretreatment of seawater to decrease the Ca2+, Mg2+, SO42â^' and bacteria contents in membrane desalination applications. Desalination, 2017, 403, 107-116.  | 8.2 | 13        |
| 16 | Antioxidant, and enhanced flexible nano porous scaffolds for bone tissue engineering applications.<br>Nano Select, 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<br>with antibacterial properties. Scientific Reports, 2020, 10, 14600.   | 3.3 | 7         |

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Fe2O3 Nanoparticles Deposited over Self-Floating Facial Sponge for Facile Interfacial Seawater Solar<br>Desalination. Crystals, 2021, 11, 1509.   | 2.2 | 6         |
| 20 | A Scalable Prototype by In Situ Polymerization of Biodegradables, Cross-Linked Molecular Mode of<br>Vapor Transport, and Metal Ion Rejection for Solar-Driven Seawater Desalination. Crystals, 2021, 11,<br>1489. | 2.2 | 5         |
| 21 | Study of bleaching of old newsprint recycled paper: reproduction of newspaper material. Materials<br>Research Express, 2021, 8, 085305.   | 1.6 | 2         |
| 22 | Modified fiber optic sensor for highly precise identification of mercuric ion (Hg2+) concentrations in aqueous solution. Engineering Research Express, 2021, 3, 025001.   | 1.6 | 0         |