

# Muhammad Tahir Soomro

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

631  
citations

623734

14  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

942  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of sunlight induced surface defects on the photocatalytic activity of nanosized CeO <sub>2</sub> for the degradation of phenol and its derivatives. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 391-402.	20.2	174
2	The influence of p-type Mn <sub>3</sub> O <sub>4</sub> nanostructures on the photocatalytic activity of ZnO for the removal of bromo and chlorophenol in natural sunlight exposure. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 105-118.	20.2	80
3	The suitability of ZnO film-coated glassy carbon electrode for the sensitive detection of 4-nitrophenol in aqueous medium. <i>Analytical Methods</i> , 2015, 7, 1794-1801.	2.7	43
4	Fabrication and performance of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) modified carbon paste electrode for the electrochemical detection of chlorite ions in aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4330-4341.	6.7	32
5	Disposable screen printed graphite electrode for the direct electrochemical determination of ibuprofen in surface water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2014, 1-2, 8-13.	2.9	31
6	The efficacy of the ZnO:Î±-Fe <sub>2</sub> O <sub>3</sub> composites modified carbon paste electrode for the sensitive electrochemical detection of loperamide: A detailed investigation. <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 112-124.	3.8	31
7	The evaluation of the photocatalytic activity of magnetic and non-magnetic polymorphs of Fe <sub>2</sub> O <sub>3</sub> in natural sunlight exposure: A comparison of photocatalytic activity. <i>Applied Surface Science</i> , 2018, 451, 128-140.	6.1	23
8	Quantitative Assessment of Metals in Local Brands of Tea in Pakistan. <i>Pakistan Journal of Biological Sciences</i> , 2008, 11, 285-289.	0.5	23
9	Sunlight mediated removal of chlorophenols over tungsten supported ZnO: Electrochemical and photocatalytic studies. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1901-1911.	6.7	22
10	MoO <sub>3</sub> altered ZnO: A suitable choice for the photocatalytic removal of chloro-acetic acids in natural sunlight exposure. <i>Chemical Engineering Journal</i> , 2017, 330, 322-336.	12.7	21
11	A highly conductive thin film composite based on silver nanoparticles and malic acid for selective electrochemical sensing of trichloroacetic acid. <i>Analytica Chimica Acta</i> , 2018, 1036, 33-48.	5.4	20
12	The facile synthesis, characterization and evaluation of photocatalytic activity of bimetallic FeBiO <sub>3</sub> in natural sunlight exposure. <i>RSC Advances</i> , 2015, 5, 102663-102673.	3.6	19
13	The effect of cerium alteration on the photocatalytic performance of WO <sub>3</sub> in sunlight exposure for water decontamination. <i>RSC Advances</i> , 2016, 6, 2436-2449.	3.6	17
14	An enhanced electrocatalytic oxidation and determination of 2,4-dichlorophenol on multilayer deposited functionalized multi-walled carbon nanotube/Nafion composite film electrode. <i>Arabian Journal of Chemistry</i> , 2019, 12, 946-956.	4.9	15
15	The efficacy of the Nafion® blended CTAB protected Au nanoparticles for the electrochemical detection of tramadol in wastewater: A parametric investigation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3825-3834.	6.7	14
16	Superior antibacterial activity of reduced graphene oxide upon decoration with iron oxide nanorods. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104424.	6.7	14
17	Facile fabrication of MoO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> p-n junction for boosted photocatalytic elimination of 2,4-D under natural sunlight exposure. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106304.	6.7	13
18	Mercury meniscus on solid silver amalgam electrode as a sensitive electrochemical sensor for tetrachlorovinphos. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 496-507.	5.2	9

#	ARTICLE	IF	CITATIONS
19	The performance of silver modified tungsten oxide for the removal of 2-CP and 2-NP in sunlight exposure: Optical, electrochemical and photocatalytic properties. Arabian Journal of Chemistry, 2019, 12, 2632-2643.	4.9	8
20	Synthesis, characterization and photocatalytic performance of W6+ impregnated g-C3N4 for the removal of chlorophenol derivatives in natural sunlight exposure. Chemosphere, 2021, 265, 129135.	8.2	8
21	The role of size-controlled CeO2 nanoparticles in enhancing the stability and photocatalytic performance of ZnO in natural sunlight exposure. Chemosphere, 2022, 289, 133092.	8.2	7
22	Synthesis, Electrochemical and Antimicrobial Activity of Colloidal Copper Nanoparticles. Biosciences, Biotechnology Research Asia, 2017, 14, 1259-1268.	0.5	4
23	Long-life atom-free radical: Generation and reactions of bromine atom-free radical. Collection of Czechoslovak Chemical Communications, 2010, 75, 1061-1074.	1.0	3
24	Acetyl Salicylic Acid (Aspirin) and Antioxidative Agents in Joshanda - a Herbal (Medicinal) Tea. ECS Transactions, 2010, 33, 1-8.	0.5	0