

Mohammad Aslam

List of Publications by Citations

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43
papers

1,630
citations

20
h-index

40
g-index

44
ext. papers

1,955
ext. citations

7.8
avg, IF

4.86
L-index

#	Paper	IF	Citations
43	Morphology controlled bulk synthesis of disc-shaped WO ₃ powder and evaluation of its photocatalytic activity for the degradation of phenols. <i>Journal of Hazardous Materials</i> , 2014 , 276, 120-8	12.8	172
42	Antimicrobial and anticancer activities of silver nanoparticles synthesized from the root hair extract of Phoenix dactylifera. <i>Materials Science and Engineering C</i> , 2018 , 89, 429-443	8.3	167
41	Evaluation of sunlight induced structural changes and their effect on the photocatalytic activity of V ₂ O ₅ for the degradation of phenols. <i>Journal of Hazardous Materials</i> , 2015 , 286, 127-35	12.8	156
40	Photocatalytic conversion of methane into methanol: Performance of silver impregnated WO ₃ . <i>Applied Catalysis A: General</i> , 2014 , 470, 327-335	5.1	148
39	The effect of sunlight induced surface defects on the photocatalytic activity of nanosized CeO ₂ for the degradation of phenol and its derivatives. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 391-402	21.8	137
38	Synthesis, Characterization, and Sunlight Mediated Photocatalytic Activity of CuO Coated ZnO for the Removal of Nitrophenols. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8757-69	9.5	124
37	The influence of p-type Mn ₃ O ₄ 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	21.8	68
36	Enhanced photocatalytic activity of V ₂ O ₅ /ZnO composites for the mineralization of nitrophenols. <i>Chemosphere</i> , 2014 , 117, 115-23	8.4	62
35	Sunlight assisted photocatalytic mineralization of nitrophenol isomers over W ⁶⁺ impregnated ZnO. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 227-239	21.8	51
34	Flow controlled fabrication of N doped ZnO thin films and estimation of their performance for sunlight photocatalytic decontamination of water. <i>Chemical Engineering Journal</i> , 2016 , 291, 115-127	14.7	42
33	The assessment of the photocatalytic activity of magnetically retrievable ZnO coated Fe ₂ O ₃ in sunlight exposure. <i>Chemical Engineering Journal</i> , 2016 , 283, 656-667	14.7	38
32	Construction of a ternary g-CN/TiO ₂ @polyaniline nanocomposite for the enhanced photocatalytic activity under solar light. <i>Scientific Reports</i> , 2019 , 9, 12091	4.9	34
31	Adsorption and anion exchange insight of indigo carmine onto CuAl-LDH/SWCNTs nanocomposite: kinetic, thermodynamic and isotherm analysis.. <i>RSC Advances</i> , 2018 , 9, 560-568	3.7	32
30	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	3.2	32
29	The suitability of Ce ³⁺ -modified ZnO photocatalyst for the mineralization of monochlorophenol isomers in sunlight exposure. <i>RSC Advances</i> , 2014 , 4, 49347-49359	3.7	25
28	Evaluation of SnO for sunlight photocatalytic decontamination of water. <i>Journal of Environmental Management</i> , 2018 , 217, 805-814	7.9	24
27	Green synthesis of silver nanoparticles by plant extract and their antimicrobial and anticancer activities.. <i>Saudi Journal of Biological Sciences</i> , 2022 , 29, 460-471	4	23

26	The efficacy of the ZnO:Fe ₂ O ₃ 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	4.1	21
25	Fabrication and performance of magnetite (Fe ₃ O ₄) 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	6.8	21
24	Sunlight mediated removal of chlorophenols over tungsten supported ZnO: Electrochemical and photocatalytic studies. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 1901-1911	6.8	20
23	The efficacy of CoO loaded WO sheets for the enhanced photocatalytic removal of 2,4,6-trichlorophenol in natural sunlight exposure. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122835	12.8	19
22	Ce ³⁺ impregnated ZnO: a highly efficient photocatalyst for sunlight mediated mineralization. <i>RSC Advances</i> , 2014 , 4, 16043-16046	3.7	19
21	The effect of Fe ³⁺ based visible light receptive interfacial phases on the photocatalytic activity of ZnO for the removal of 2,4-dichlorophenoxy acetic acid in natural sunlight exposure. <i>Separation and Purification Technology</i> , 2017 , 172, 512-528	8.3	19
20	Photocatalytic activity of V doped ZnO nanoparticles thin films for the removal of 2-chlorophenol from the aquatic environment under natural sunlight exposure. <i>Journal of Environmental Management</i> , 2016 , 177, 53-64	7.9	19
19	How the Dyes Are Degraded/Mineralized in a Photocatalytic System? The Possible Role of Auxochromes. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	16
18	Synthesis, characterization and visible light photocatalytic activity of Cr ³⁺ , Ce ³⁺ and N co-doped TiO ₂ for the degradation of humic acid. <i>RSC Advances</i> , 2015 , 5, 32323-32332	3.7	16
17	The effect of cerium alteration on the photocatalytic performance of WO ₃ in sunlight exposure for water decontamination. <i>RSC Advances</i> , 2016 , 6, 2436-2449	3.7	16
16	The facile synthesis, characterization and evaluation of photocatalytic activity of bimetallic FeBiO ₃ in natural sunlight exposure. <i>RSC Advances</i> , 2015 , 5, 102663-102673	3.7	16
15	The evaluation of the photocatalytic activity of magnetic and non-magnetic polymorphs of Fe ₂ O ₃ in natural sunlight exposure: A comparison of photocatalytic activity. <i>Applied Surface Science</i> , 2018 , 451, 128-140	6.7	15
14	MoO ₃ 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	14.7	13
13	Pd-induced phase separation in poly(methyl methacrylate) telopolymer: synthesis of nanostructured catalytic Pd nanorods. <i>Colloid and Polymer Science</i> , 2020 , 298, 441-448	2.4	12
12	Synthesis, characterization and photocatalytic activity of Al ₂ O ₃ /TiO ₂ based composites. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 125-34	2.3	11
11	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	6.8	10
10	Mercury meniscus on solid silver amalgam electrode as a sensitive electrochemical sensor for tetrachlorvinphos. <i>Journal of Saudi Chemical Society</i> , 2018 , 22, 496-507	4.3	7
9	The performance of silver modified tungsten oxide for the removal of 2-CP and 2-NP in sunlight exposure: Optical, electrochemical and photocatalytic properties. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 2632-2643	5.9	7

8	The suitability of silicon carbide for photocatalytic water oxidation. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 987-999	3.3	5
7	Synthesis, characterization and photocatalytic performance of W impregnated g-CN for the removal of chlorophenol derivatives in natural sunlight exposure. <i>Chemosphere</i> , 2021 , 265, 129135	8.4	4
6	Polyaniline Nanocomposite Materials for Biosensor Designing 2018 , 113-135		3
5	Facile fabrication of MoO ₃ /g-C ₃ N ₄ 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	6.8	2
4	The performance of Zn _{1-x} Ce _x O nanoparticles thin films in sunlight exposure: synthesis, characterization and photocatalytic activity. <i>Desalination and Water Treatment</i> , 2016 , 57, 25581-25590		1
3	Graphene and Carbon Nanotubes Fibrous Composite Decorated with PdMg Alloy Nanoparticles with Enhanced Absorption-Desorption Kinetics for Hydrogen Storage Application. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
2	Integrating water quality index, GIS and multivariate statistical techniques towards a better understanding of drinking water quality. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
1	The role of size-controlled CeO nanoparticles in enhancing the stability and photocatalytic performance of ZnO in natural sunlight exposure. <i>Chemosphere</i> , 2021 , 289, 133092	8.4	0