

Farhana Aziz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

954
citations

17
h-index

29
g-index

60
ext. papers

1,321
ext. citations

4.6
avg, IF

4.98
L-index

#	Paper	IF	Citations
57	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. <i>Chemosphere</i> , 2020 , 248, 126008	8.4	120
56	A review of integrated photocatalyst adsorbents for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 7411-7425	6.8	115
55	Spray coating methods for polymer solar cells fabrication: A review. <i>Materials Science in Semiconductor Processing</i> , 2015 , 39, 416-425	4.3	79
54	One-pot synthesis of efficient reduced graphene oxide supported binary Pt-Pd alloy nanoparticles as superior electro-catalyst and its electro-catalytic performance toward methanol electro-oxidation reaction in direct methanol fuel cell. <i>Journal of Alloys and Compounds</i> , 2019 , 793, 232-246	5.7	44
53	Preparation and characterization of cross-linked Matrimid [®] membranes using para-phenylenediamine for O ₂ /N ₂ separation. <i>Separation and Purification Technology</i> , 2010 , 73, 421-428	8.3	39
52	Towards high performance perovskite solar cells: A review of morphological control and HTM development. <i>Applied Materials Today</i> , 2018 , 13, 69-82	6.6	33
51	Polyacrylonitrile/magnesium oxide-based activated carbon nanofibers with well-developed microporous structure and their adsorption performance for methane. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 51, 281-287	6.3	32
50	Preparation and characterization of hydrophilic surface modifier macromolecule modified poly (ether sulfone) photocatalytic membrane for phenol removal. <i>Chemical Engineering Journal</i> , 2018 , 335, 236-247	14.7	32
49	CO ₂ /N ₂ selectivity enhancement of PEBAX MH 1657/Aminated partially reduced graphene oxide mixed matrix composite membrane. <i>Separation and Purification Technology</i> , 2019 , 223, 142-153	8.3	31
48	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. <i>Chemosphere</i> , 2018 , 204, 79-86	8.4	30
47	Electrospun Nanofibers Embedding ZnO/Ag ₂ CO ₃ /Ag ₂ O Heterojunction Photocatalyst with Enhanced Photocatalytic Activity. <i>Catalysts</i> , 2019 , 9, 565	4	30
46	A review on floating nanocomposite photocatalyst: Fabrication and applications for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101300	6.7	28
45	Performance of Polymer Electrolyte Membrane for Direct Methanol Fuel Cell Application: Perspective on Morphological Structure. <i>Membranes</i> , 2020 , 10,	3.8	26
44	Facile synthesis of highly favorable graphene oxide: Effect of oxidation degree on the structural, morphological, thermal and electrochemical properties. <i>Materialia</i> , 2019 , 6, 100344	3.2	24
43	Adsorption Behavior of Chromium(VI) onto Regenerated Cellulose Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 720-728	3.9	22
42	Enhancement in photocatalytic degradation of methylene blue by LaFeO ₃ -GO integrated photocatalyst-adsorbents under visible light irradiation. <i>Korean Journal of Chemical Engineering</i> , 2018 , 35, 548-556	2.8	18
41	Potential use of nanofiltration like-forward osmosis membranes for copper ion removal. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 420-428	3.2	17

40	Superwetting materials for hydrophilic-oleophobic membrane in oily wastewater treatment. <i>Journal of Environmental Management</i> , 2021 , 290, 112565	7.9	16
39	Performance of Nanofiltration-Like Forward-Osmosis Membranes for Aerobically Treated Palm Oil Mill Effluent. <i>Chemical Engineering and Technology</i> , 2018 , 41, 303-312	2	16
38	Effects of surface charge of thin-film composite membrane on copper (II) ion removal by using nanofiltration and forward osmosis process. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101032	6.7	15
37	Cu ₂ O/ZnO-PANI ternary nanocomposite as an efficient photocatalyst for the photodegradation of Congo Red dye. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105065	6.8	15
36	Effects of manganese(VI) oxide on polyacrylonitrile-based activated carbon nanofibers (ACNFs) and its preliminary study for adsorption of lead(II) ions. <i>Emergent Materials</i> , 2018 , 1, 89-94	3.5	13
35	Effect of solvent annealing on the crystallinity of spray coated ternary blend films prepared using low boiling point solvents. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014 , 79, 48-55	3.7	12
34	Development of Polysulfone (PSF)-Carbon Molecular Sieve (CMS) Mixed Matrix Membrane (MMM) For O ₂ /N ₂ Gas Separation 2009 ,		11
33	Effects of the Citric Acid Addition on the Morphology, Surface Area, and Photocatalytic Activity of LaFeO ₃ Nanoparticles Prepared by Glucose-Based Gel Combustion Methods. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 609-617	3.9	11
32	Ultrafast degradation of Congo Red dye using a facile one-pot solvothermal synthesis of cuprous oxide/titanium dioxide and cuprous oxide/zinc oxide p-n heterojunction photocatalyst. <i>Materials Science in Semiconductor Processing</i> , 2021 , 122, 105481	4.3	11
31	A Mini Review on Parameters Affecting the Semiconducting Oxide Photocatalytic Microbial Disinfection. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	10
30	Review of various strategies to boost the photocatalytic activity of the cuprous oxide-based photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105138	6.8	9
29	Photocatalytic degradation of phenol by LaFeO ₃ nanocrystalline synthesized by gel combustion method via citric acid route. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	8
28	An improved hybrid nanocomposites of rice husk derived graphene (GRHA)/Zeolitic imidazolate framework-8 for hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 24864-24876	6.7	7
27	Advanced ternary RGO/bimetallic Pt-Pd alloy/CeO ₂ nanocomposite electrocatalyst by one-step hydrothermal-assisted formic acid reduction reaction for methanol electrooxidation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104991	6.8	7
26	Preparation and characterization of polyacrylonitrile-based activated carbon nanofibers/graphene (gACNFs) composite synthesized by electrospinning. <i>AIP Advances</i> , 2020 , 10, 055117	1.5	6
25	Performance of PES/LSMM-OGCN Photocatalytic Membrane for Phenol Removal: Effect of OGCN Loading. <i>Membranes</i> , 2018 , 8,	3.8	6
24	Graft copolymerization of acrylonitrile onto recycled newspapers cellulose pulp 2017 ,		5
23	Impacts of Annealing Temperature on Morphological, Optical and Photocatalytic Properties of Gel-Combustion-Derived LaFeO ₃ Nanoparticles. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 6153-6165	2.5	5

22	Dual-function ZIF-8 membrane supported on alumina hollow fiber membrane for copper(II) removal. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105343	6.8	5
21	The influence of alumina particle size on the properties and performance of alumina hollow fiber as support membrane for protein separation. <i>Separation and Purification Technology</i> , 2020 , 250, 117147	8.3	4
20	Comparison of different activated agents on biomass-derived graphene towards the hybrid nanocomposites with zeolitic imidazolate framework-8 for room temperature hydrogen storage. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105118	6.8	4
19	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. <i>Membranes</i> , 2021 , 11,	3.8	4
18	Innovative polymer-complex draw solution for copper(II) removal using forward osmosis. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104854	6.8	4
17	Photocatalytic degradation of humic acid using a novel visible-light active Fe ₂ O ₃ /NiS ₂ composite photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105682	6.8	4
16	Impact of Doping and Additive Applications on Photocatalyst Textural Properties in Removing Organic Pollutants: A Review. <i>Catalysts</i> , 2021 , 11, 1160	4	3
15	Effects of oxidants on the in-situ polymerization of aniline to form Cu ₂ O/ZnO/PANI composite photocatalyst. <i>Materials Today: Proceedings</i> , 2021 , 46, 2030-2035	1.4	3
14	Visible light driven perovskite-based photocatalyst for wastewater treatment 2020 , 265-302		2
13	Decolorization of Reactive Black 5 dye using gel combustion synthesized LaFeO ₃ nanoparticles. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019 , 15, 462-466	2.1	2
12	PREPARATION AND CHARACTERIZATION OF LAFeO ₃ USING DUAL-COMPLEXING AGENTS FOR PHOTODEGRADATION OF HUMIC ACID. <i>Environment & Ecosystem Science</i> , 2018 , 2, 30-34	1.2	2
11	Mixed matrix composite membranes based on amination of reduced graphene oxide for CO ₂ separation: Effects of heating time and nanofiller loading. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 2287-2294	2.8	2
10	Rapid Synthesis of Pure Phase Bismuth Ferrite through Modified Sol-gel Auto-ignition Method: Impact of Different Chelating Agents. <i>ChemistrySelect</i> , 2020 , 5, 13584-13590	1.8	2
9	Copper Adsorption on ZIF-8/Alumina Hollow Fiber Membrane: A Response Surface Methodology Analysis. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 6775-6786	2.5	2
8	Porous polyether sulfone for direct methanol fuel cell applications: Structural analysis. <i>International Journal of Energy Research</i> , 2021 , 45, 2277-2291	4.5	2
7	Synthesis of bismuth ferrite by sol-gel auto combustion method: Impact of citric acid concentration on its physicochemical properties. <i>Materials Chemistry and Physics</i> , 2022 , 282, 125983	4.4	2
6	Absorption properties enhancement using Montmorillonite (MMT) as filler in spray-coated P3HT:PCBM thin films. <i>Polymer Bulletin</i> , 2015 , 72, 1827-1834	2.4	1
5	Enhanced performance of lanthanum orthoferrite/chitosan nanocomposites for adsorptive photocatalytic removal of Reactive Black 5. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 1648-1659	2.8	1

4	Solvent engineering of lead-free bismuth-based perovskite material for potential application of solar cell. <i>Materials Today: Proceedings</i> , 2021 , 46, 1837-1842	1.4	1
3	Photocatalytic Filtration of Zinc Oxide-Based Membrane with Enhanced Visible Light Responsiveness for Ibuprofen Removal. <i>Catalysts</i> , 2022 , 12, 209	4	0
2	Floatable photocatalyst LaFeO ₃ /modified expanded perlite composite for photocatalytic ammonia degradation. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102401	6.7	0
1	ZIF-8 membrane: the synthesis technique and nanofiltration application. <i>Emergent Materials</i> , 1	3.5	