

Farhana Aziz

List of Publications by Year in descending order

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60
papers

1,788
citations

279487

23
h-index

288905

40
g-index

60
all docs

60
docs citations

60
times ranked

2242
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. <i>Chemosphere</i> , 2020, 248, 126008.	4.2	261
2	A review of integrated photocatalyst adsorbents for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7411-7425.	3.3	196
3	Spray coating methods for polymer solar cells fabrication: A review. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 416-425.	1.9	129
4	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.	2.8	77
5	A review on floating nanocomposite photocatalyst: Fabrication and applications for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020, 36, 101300.	2.6	74
6	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. <i>Chemosphere</i> , 2018, 204, 79-86.	4.2	51
7	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.	3.9	51
8	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.	3.3	49
9	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.	6.6	48
10	Performance of Polymer Electrolyte Membrane for Direct Methanol Fuel Cell Application: Perspective on Morphological Structure. <i>Membranes</i> , 2020, 10, 34.	1.4	45
11	Superwetting materials for hydrophilic-oleophobic membrane in oily wastewater treatment. <i>Journal of Environmental Management</i> , 2021, 290, 112565.	3.8	45
12	Towards high performance perovskite solar cells: A review of morphological control and HTM development. <i>Applied Materials Today</i> , 2018, 13, 69-82.	2.3	43
13	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.	3.3	43
14	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.	3.9	41
15	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.	2.9	41
16	Electrospun Nanofibers Embedding ZnO/Ag ₂ CO ₃ /Ag ₂ O Heterojunction Photocatalyst with Enhanced Photocatalytic Activity. <i>Catalysts</i> , 2019, 9, 565.	1.6	40
17	Adsorption Behavior of Chromium(VI) onto Regenerated Cellulose Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 720-728.	1.8	38
18	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.	1.3	32

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19	Impact of Doping and Additive Applications on Photocatalyst Textural Properties in Removing Organic Pollutants: A Review. <i>Catalysts</i> , 2021, 11, 1160.	1.6	32
20	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.	1.9	29
21	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.	2.6	27
22	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.	1.2	26
23	Potential use of nanofiltration like-forward osmosis membranes for copper ion removal. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 420-428.	1.7	25
24	Performance of Nanofiltration Like Forward Osmosis Membranes for Aerobically Treated Palm Oil Mill Effluent. <i>Chemical Engineering and Technology</i> , 2018, 41, 303-312.	0.9	21
25	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.	3.3	19
26	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. <i>Membranes</i> , 2021, 11, 581.	1.4	19
27	Photocatalytic degradation of humic acid using a novel visible-light active γ -Fe ₂ O ₃ /NiS ₂ composite photocatalyst. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105682.	3.3	18
28	A review on preparation, surface enhancement and adsorption mechanism of biochar supported nano zero-valent iron adsorbent for hazardous heavy metals. <i>Journal of Chemical Technology and Biotechnology</i> , 2023, 98, 22-44.	1.6	18
29	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.	3.2	17
30	A Mini Review on Parameters Affecting the Semiconducting Oxide Photocatalytic Microbial Disinfection. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	16
31	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.	1.8	15
32	Development of Polysulfone (PSF)-Carbon Molecular Sieve (CMS) Mixed Matrix Membrane (MMM) For O ₂ /N ₂ Gas Separation. , 2009, , .		14
33	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.	1.8	13
34	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.	3.9	13
35	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.	2.0	12
36	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.	1.5	11

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37	An improved hybrid nanocomposites of rice husk derived graphene (GRHA)/Zeolitic imidazolate framework-8 for hydrogen adsorption. International Journal of Hydrogen Energy, 2021, 46, 24864-24876.	3.8	11
38	Copper Adsorption on ZIF-8/Alumina Hollow Fiber Membrane: A Response Surface Methodology Analysis. Arabian Journal for Science and Engineering, 2021, 46, 6775-6786.	1.7	11
39	Photocatalytic Filtration of Zinc Oxide-Based Membrane with Enhanced Visible Light Responsiveness for Ibuprofen Removal. Catalysts, 2022, 12, 209.	1.6	11
40	Impacts of Annealing Temperature on Morphological, Optical and Photocatalytic Properties of Gel-Combustion-Derived LaFeO ₃ Nanoparticles. Arabian Journal for Science and Engineering, 2021, 46, 6153-6165.	1.7	9
41	Comparison of different activated agents on biomass-derived graphene towards the hybrid nanocomposites with zeolitic imidazolate framework-8 for room temperature hydrogen storage. Journal of Environmental Chemical Engineering, 2021, 9, 105118.	3.3	9
42	Floatable photocatalyst LaFeO ₃ /modified expanded perlite composite for photocatalytic ammonia degradation. Journal of Water Process Engineering, 2021, 44, 102401.	2.6	9
43	Preparation and characterization of polyacrylonitrile-based activated carbon nanofibers/graphene (gACNFs) composite synthesized by electrospinning. AIP Advances, 2020, 10, 055117.	0.6	8
44	Innovative polymer-complex draw solution for copper(II) removal using forward osmosis. Journal of Environmental Chemical Engineering, 2021, 9, 104854.	3.3	8
45	Performance of PES/LSMM-OGCN Photocatalytic Membrane for Phenol Removal: Effect of OGCN Loading. Membranes, 2018, 8, 42.	1.4	7
46	Rapid Synthesis of Pure Phase Bismuth Ferrite through Modified Sol-gel Auto-ignition Method: Impact of Different Chelating Agents. ChemistrySelect, 2020, 5, 13584-13590.	0.7	7
47	Enhanced performance of lanthanum orthoferrite/chitosan nanocomposites for adsorptive photocatalytic removal of Reactive Black 5. Korean Journal of Chemical Engineering, 2021, 38, 1648-1659.	1.2	7
48	Dual-function ZIF-8 membrane supported on alumina hollow fiber membrane for copper(II) removal. Journal of Environmental Chemical Engineering, 2021, 9, 105343.	3.3	7
49	Graft copolymerization of acrylonitrile onto recycled newspapers cellulose pulp. AIP Conference Proceedings, 2017, , .	0.3	6
50	Effects of oxidants on the in-situ polymerization of aniline to form Cu ₂ O/ZnO/PANI composite photocatalyst. Materials Today: Proceedings, 2021, 46, 2030-2035.	0.9	5
51	Porous polyether sulfone for direct methanol fuel cell applications: Structural analysis. International Journal of Energy Research, 2021, 45, 2277-2291.	2.2	4
52	ZIF-8 membrane: the synthesis technique and nanofiltration application. Emergent Materials, 2022, 5, 1289-1310.	3.2	4
53	Solvent engineering of lead-free bismuth-based perovskite material for potential application of solar cell. Materials Today: Proceedings, 2021, 46, 1837-1842.	0.9	3
54	Mixed matrix composite membranes based on amination of reduced graphene oxide for CO ₂ separation: Effects of heating time and nanofiller loading. Korean Journal of Chemical Engineering, 2020, 37, 2287-2294.	1.2	3

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55	Absorption properties enhancement using Montmorillonite (MMT) as filler in spray-coated P3HT:PCBM thin films. Polymer Bulletin, 2015, 72, 1827-1834.	1.7	2
56	Visible light-driven perovskite-based photocatalyst for wastewater treatment. , 2020, , 265-302.		2
57	Decolorization of Reactive Black 5 dye using gel combustion synthesized LaFeO ₃ nanoparticles. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 462-466.	0.4	2
58	PREPARATION AND CHARACTERIZATION OF LAFeO ₃ USING DUAL-COMPLEXING AGENTS FOR PHOTODEGRADATION OF HUMIC ACID. Environment & Ecosystem Science, 2018, 2, 30-34.	0.3	2
59	Development of Free-Standing Titanium Dioxide Hollow Nanofibers Photocatalyst with Enhanced Recyclability. Membranes, 2022, 12, 342.	1.4	2
60	EFFECT OF SPRAY DEPOSITION TIME ON OPTICAL AND MORPHOLOGICAL PROPERTIES OF P3HT: PCBM THIN FILMS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	0