

Nadir Dizge

List of Publications by Year in descending order

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83
papers

1,341
citations

331259

21
h-index

433756

31
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83
all docs

83
docs citations

83
times ranked

1250
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun cellulose nanofibers for superhydrophobic and oleophobic membranes. Journal of Membrane Science, 2019, 590, 117271.	4.1	80
2	Sono-assisted electrocoagulation and cross-flow membrane processes for brewery wastewater treatment. Journal of Water Process Engineering, 2018, 21, 52-60.	2.6	58
3	Efficient removal of dyes and proteins by nitrogen-doped porous graphene blended polyethersulfone nanocomposite membranes. Chemosphere, 2021, 263, 127892.	4.2	58
4	Comparison of Cr(VI) adsorption and photocatalytic reduction efficiency using leonardite powder. Chemosphere, 2022, 300, 134492.	4.2	43
5	Comparative study of the removal of nickel(II) and chromium(VI) heavy metals from metal plating wastewater by two nanofiltration membranes. Desalination and Water Treatment, 2016, 57, 21870-21880.	1.0	41
6	Combination of photocatalytic and membrane distillation hybrid processes for reactive dyes treatment. Environmental Technology (United Kingdom), 2017, 38, 2743-2751.	1.2	40
7	Adsorption and Fenton oxidation of azo dyes by magnetite nanoparticles deposited on a glass substrate. Journal of Water Process Engineering, 2019, 32, 100897.	2.6	39
8	Integrated process of fungal membrane bioreactor and photocatalytic membrane reactor for the treatment of industrial textile wastewater. Biochemical Engineering Journal, 2016, 105, 420-427.	1.8	38
9	Photocatalytic effect of zinc oxide and magnetite entrapped calcium alginate beads for azo dye and hexavalent chromium removal from solutions. Journal of Water Process Engineering, 2019, 31, 100826.	2.6	38
10	Photocatalytic oxidation of azo dye solutions by impregnation of ZnO on fungi. Biochemical Engineering Journal, 2019, 146, 150-159.	1.8	38
11	Combined natural/chemical coagulation and membrane filtration for wood processing wastewater treatment. Journal of Water Process Engineering, 2020, 37, 101521.	2.6	34
12	Electrocoagulation and electrooxidation pre-treatment effect on fungal treatment of pistachio processing wastewater. Chemosphere, 2020, 244, 125383.	4.2	32
13	Entrapment of TiO ₂ and ZnO powders in alginate beads: Photocatalytic and reuse efficiencies for dye solutions and toxicity effect for DNA damage. Environmental Technology and Innovation, 2019, 14, 100250.	3.0	31
14	Production of Bio-Based Pigments from Food Processing Industry By-Products (Apple, Pomegranate, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2020, 6, 240.	1.5	29
15	Electrocoagulation and nanofiltration integrated process application in purification of bilge water using response surface methodology. Water Science and Technology, 2016, 74, 564-579.	1.2	28
16	Enhancing biogas production of anaerobic co-digestion of industrial waste and municipal sewage sludge with mechanical, chemical, thermal, and hybrid pretreatment. Bioresource Technology, 2021, 340, 125688.	4.8	28
17	Investigation of the adsorption performance of cationic and anionic dyes using hydrocharred waste human hair. Biomass Conversion and Biorefinery, 2024, 14, 3715-3728.	2.9	28
18	Bioactive ultrafiltration membrane manufactured from Aspergillus carbonarius M333 filamentous fungi for treatment of real textile wastewater. Bioresource Technology Reports, 2019, 5, 212-219.	1.5	27

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19	Green synthesis of <i>Quercus coccifera</i> hydrochar in subcritical water medium and evaluation of its adsorption performance for BR18 dye. <i>Water Science and Technology</i> , 2021, 83, 701-714.	1.2	27
20	The use of basalt powder as a natural heterogeneous catalyst in the Fenton and Photo-Fenton oxidation of cationic dyes. <i>Advanced Powder Technology</i> , 2021, 32, 1264-1275.	2.0	24
21	Adsorption studies of ammonia and phosphate ions onto calcium alginate beads. <i>Surfaces and Interfaces</i> , 2021, 26, 101330.	1.5	24
22	Catalytic efficiency of raw and hydrolyzed eggshell in the oxidation of crystal violet and dye bathing wastewater by thermally activated peroxide oxidation method. <i>Environmental Research</i> , 2022, 212, 113210.	3.7	24
23	Water recovery from textile bath wastewater using combined subcritical water oxidation and nanofiltration. <i>Journal of Cleaner Production</i> , 2021, 290, 125207.	4.6	22
24	Polyethersulfone membranes modified with CZTS nanoparticles for protein and dye separation: Improvement of antifouling and self-cleaning performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126230.	2.3	22
25	Optimization of the electrochemical oxidation of textile wastewater by graphite electrodes by response surface methodology and artificial neural network. <i>Water Science and Technology</i> , 2021, 84, 1245-1256.	1.2	22
26	Pyrolysis of commingled waste textile fibers in a batch reactor: Analysis of the pyrolysis gases and solid product. <i>International Journal of Green Energy</i> , 2017, 14, 289-294.	2.1	20
27	Preparation of a Zirconia-Based Ceramic Membrane and Its Application for Drinking Water Treatment. <i>Symmetry</i> , 2020, 12, 933.	1.1	20
28	Biosorption characteristics of methylene blue dye by two fungal biomasses. <i>International Journal of Environmental Studies</i> , 2021, 78, 365-381.	0.7	20
29	Degradation Efficiency of Textile and Wood Processing Industry Wastewater by Photocatalytic Process Using In Situ Ultrafiltration Membrane. <i>Clean - Soil, Air, Water</i> , 2016, 44, 224-231.	0.7	17
30	Influence of nanoparticles on filterability of fruit-juice industry wastewater using submerged membrane bioreactor. <i>Water Science and Technology</i> , 2017, 76, 705-711.	1.2	17
31	Investigation of the antifouling properties of polyethersulfone ultrafiltration membranes by blending of boron nitride quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111867.	2.5	17
32	Combined process of electrocoagulation and photocatalytic degradation for the treatment of olive washing wastewater. <i>Water Science and Technology</i> , 2017, 75, 141-154.	1.2	16
33	The adsorption and Fenton behavior of iron rich Terra Rosa soil for removal of aqueous anthraquinone dye solutions: kinetic and thermodynamic studies. <i>Water Science and Technology</i> , 2017, 76, 3114-3125.	1.2	16
34	Filtration and Antibacterial Properties of Bacterial Cellulose Membranes for Textile Wastewater Treatment. <i>Avicenna Journal of Environmental Health Engineering</i> , 2018, 5, 106-114.	0.3	16
35	Green production of hydrochar nut group from waste materials in subcritical water medium and investigation of their adsorption performance for crystal violet. <i>Water Environment Research</i> , 2021, 93, 3075-3089.	1.3	15
36	Synthesis and performance of antifouling and self-cleaning polyethersulfone/graphene oxide composite membrane functionalized with photoactive semiconductor catalyst. <i>Water Science and Technology</i> , 2017, 75, 670-685.	1.2	13

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37	The surface modification of ultrafiltration membrane with silver nanoparticles using <i>Verbascum thapsus</i> leaf extract using green synthesis phenomena. <i>Surfaces and Interfaces</i> , 2021, 26, 101291.	1.5	13
38	The Investigation of Organic Binder Effect on Morphological Structure of Ceramic Membrane Support. <i>Symmetry</i> , 2020, 12, 770.	1.1	13
39	Membrane concentrate management for textile wastewater with thermally activated persulfate oxidation method. <i>Water and Environment Journal</i> , 2021, 35, 1281-1292.	1.0	12
40	Optimization of Silica Extraction from Rice Husk Using Response Surface Methodology and Adsorption of Safranin Dye. <i>International Journal of Environmental Research</i> , 2022, 16, 1.	1.1	12
41	Degradation of Recalcitrant Textile Dyes by Coupling Fungal and Photocatalytic Membrane Reactors. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1345-1351.	0.7	11
42	Recycling of TiO ₂ -containing waste and utilization by photocatalytic degradation of a reactive dye solution. <i>Water Science and Technology</i> , 2021, 83, 1242-1249.	1.2	11
43	Investigation of two different size microplastic degradation ability of thermophilic bacteria using polyethylene polymers. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 3710-3720.	1.2	11
44	Potato Processing Wastewater Treatment Using a Combined Process of Chemical Coagulation and Membrane Filtration. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2100017.	0.7	10
45	Remazol Brilliant Blue R (RBBR) dye and phosphate adsorption by calcium alginate beads modified with polyethyleneimine. <i>Water Environment Research</i> , 2021, 93, 2780-2794.	1.3	10
46	Investigation of Electroactive and Antibacterial Properties of Polyethersulfone Membranes Blended With Copper Nanoparticles. <i>Clean - Soil, Air, Water</i> , 2016, 44, 930-937.	0.7	9
47	Fabrication of basalt embedded composite fiber membrane using electrospinning method and response surface methodology. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50599.	1.3	9
48	Basic Red 18 and Remazol Brilliant Blue R biosorption using <i>Russula brevipes</i> , <i>Agaricus augustus</i> , <i>Fomes fomentarius</i> . <i>Water Practice and Technology</i> , 2022, 17, 749-762.	1.0	9
49	Production of bio-hydrogen from bulgur processing industry wastewater. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-14.	1.2	8
50	Green synthesis of zero valent iron nanoparticles using <i>Verbascum thapsus</i> and its Cr (VI) reduction activity. <i>Bioresource Technology Reports</i> , 2021, 13, 100637.	1.5	8
51	Iron Oxide Nanoparticles Synthesis From Vermicomposting Leachate and its Antioxidant Activities. <i>Frontiers in Materials</i> , 0, 9, .	1.2	8
52	Particle size distribution analysis of chemically enhanced two-phase membrane filtration for olive mill effluents. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 749-756.	1.6	7
53	Investigation of the usage potential of calcium alginate beads functionalized with sodium dodecyl sulfate for wastewater treatment contaminated with waste motor oil. <i>Water Environment Research</i> , 2021, 93, 2623-2636.	1.3	7
54	Preparation of ZnO nanorods or SiO ₂ nanoparticles grafted onto basalt ceramic membrane and the use for <i>E. coli</i> removal from water. <i>Ceramics International</i> , 2021, 47, 27710-27717.	2.3	7

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55	Preparation, characterization and comparison of antibacterial property of polyethersulfone composite membrane containing zerovalent iron or magnetite nanoparticles. <i>Membrane Water Treatment</i> , 2017, 8, 51-71.	0.5	7
56	Investigation of Basalt Properties as Heterogeneous Catalyst for Fenton Oxidation of Textile Wastewater. <i>Clean - Soil, Air, Water</i> , 2022, 50, 2000432.	0.7	7
57	Water recovery from yarn fabric dyeing wastewater using electrochemical oxidation and membrane processes. <i>Water Environment Research</i> , 2022, 94, e1681.	1.3	7
58	Treatment of Dairy Industry Cleaningâ€”Place Wastewater by Electrocoagulation Supported with Immersed Membrane Process. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600654.	0.7	6
59	Investigation of sesame processing wastewater treatment with combined electrochemical and membrane processes. <i>Water Science and Technology</i> , 2021, 84, 2652-2660.	1.2	6
60	Efficient removal of ammoniacal nitrogen from textile printing wastewater by electro-oxidation considering the effects of NaCl and NaOCl addition. <i>Water Science and Technology</i> , 2021, 84, 752-762.	1.2	6
61	Biosorption of cationic and anionic dyes using the biomass of <i>Aspergillus parasiticus</i> CBS 100926T. <i>Water Science and Technology</i> , 2021, 83, 622-630.	1.2	6
62	A hybrid process for leachate wastewater treatment: Evaporation and reverse osmosis/sequencing batch reactor. <i>Water Environment Research</i> , 2022, 94, e10717.	1.3	6
63	Synthesis and characterization of bismuth oxide ternary compounds for photocatalytic decolorization of BR 18. <i>Materials Letters</i> , 2020, 275, 128086.	1.3	5
64	Electrochemical Treatment of Textile Dye Bath Wastewater Using Activated Carbon Cloth Electrodes. <i>Avicenna Journal of Environmental Health Engineering</i> , 2020, 7, 47-52.	0.3	5
65	Investigation of plasticizer production industry wastewater treatability using pressure-driven membrane process. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 1994-2007.	1.0	5
66	Iron Oxide Particles Loaded Activated Carbon Cloth and Comparison of Adsorption and Fenton Reaction for Efficient Cationic and Anionic Dyes Removal. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	5
67	The effect of different types of AOPs supported by hydrogen peroxide on the decolorization of methylene blue and viscose fibers dyeing wastewater. <i>Water Science and Technology</i> , 2022, 85, 77-89.	1.2	4
68	The effect of pre-treatment methods on membrane flux, COD, and total phenol removal efficiencies for membrane treatment of pistachio wastewater. <i>Journal of Environmental Management</i> , 2022, 310, 114762.	3.8	4
69	Investigation of diode laser effect on the inactivation of selected Gram-negative bacteria, Gram-positive bacteria and yeast and its disinfection on wastewater and natural milk. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 1238-1250.	1.2	3
70	Leonardite powder as an efficient adsorbent for cationic and anionic dyes. <i>Water Environment Research</i> , 2022, 94, e10719.	1.3	3
71	Adsorption of Phosphate Ions from Aqueous Solutions using Marble, Pumice, and Basalt Triple Combination. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	3
72	Antimicrobial Effects of Nanostructured Rare-Earth-Based Orthovanadates. <i>Current Microbiology</i> , 2022, 79, .	1.0	3

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73	Correlation of Filtration Resistance with Microbial Polymeric Substances Extracted from Membranes in a Submerged Membrane Bioreactor. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1712-1720.	0.7	2
74	Preparation of multilayer polyelectrolyte ceramic membrane for water disinfection. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 3207-3215.	1.0	2
75	Preparation of catalytic polyether sulfone coated ceramic membrane for reduction of hexavalent chromium. <i>Journal of Water Process Engineering</i> , 2021, 40, 101946.	2.6	2
76	Photocatalytic activity of $(Er_2O_3)_x(Yb_2O_3)_y(Bi_2O_3)_{1-x-y}$ ternary compounds used as heterogeneous semiconductor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115250.	1.7	2
77	Treatment of vegetable oil wastewater by a conventional activated sludge process coupled with electrocoagulation process. <i>Water Environment Research</i> , 2022, 94, e10692.	1.3	2
78	Iron-loaded leonardite powder for Fenton oxidation of Reactive Red 180 dye removal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 77071-77080.	2.7	2
79	Experimental Confirmation of Antimicrobial Effects of $GdYVO_4:Eu^{3+}$ Nanoparticles. <i>Drug Development and Industrial Pharmacy</i> , 2022, , 1-12.	0.9	1
80	Preparation of composite polyethersulfone membrane containing basalt powder and optimization of the parameters using response surface methodology. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-11.	1.2	0
81	Effective Treatment of Chocolate Industry Effluent Using Waste from Biocosmetic Industry. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2100033.	0.7	0
82	The Use of <i>Verbascum Thapsus L</i> as a Biomembrane for Activated Sludge Filtration. <i>Avicenna Journal of Environmental Health Engineering</i> , 2021, 8, 102-109.	0.3	0
83	Synthesis of Rhombic Dodecahedral Cuprous Oxide Nanoparticles and Investigation of Biological Activity. <i>BioNanoScience</i> , 0, , .	1.5	0