

Mekdimu Mezemir Damtie

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

629
citations

758635

12
h-index

940134

16
g-index

18
all docs

18
docs citations

18
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Reverse osmosis membrane fabrication and modification technologies and future trends: A review. <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102100.	7.0	137
2	Removal of fluoride in membrane-based water and wastewater treatment technologies: Performance review. <i>Journal of Environmental Management</i> , 2019, 251, 109524.	3.8	76
3	Membrane distillation for industrial wastewater treatment: Studying the effects of membrane parameters on the wetting performance. <i>Chemosphere</i> , 2018, 206, 793-801.	4.2	58
4	Bentonite-supported nano zero-valent iron composite as a green catalyst for bisphenol A degradation: Preparation, performance, and mechanism of action. <i>Journal of Environmental Management</i> , 2020, 260, 110105.	3.8	57
5	Rectorite-supported nano-Fe ₃ O ₄ composite materials as catalyst for P-chlorophenol degradation: Preparation, characterization, and mechanism. <i>Applied Clay Science</i> , 2019, 176, 66-77.	2.6	55
6	Catalytic degradation of P-chlorophenol by muscovite-supported nano zero valent iron composite: Synthesis, characterization, and mechanism studies. <i>Applied Clay Science</i> , 2020, 195, 105735.	2.6	45
7	Green synthesis and application of nanoscale zero-valent iron/rectorite composite material for P-chlorophenol degradation via heterogeneous Fenton reaction. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 864-878.	2.4	42
8	Membrane-based technologies for zero liquid discharge and fluoride removal from industrial wastewater. <i>Chemosphere</i> , 2019, 236, 124288.	4.2	36
9	Simultaneous adsorption and degradation of bisphenol A on magnetic illite clay composite: Eco-friendly preparation, characterizations, and catalytic mechanism. <i>Journal of Cleaner Production</i> , 2021, 287, 125068.	4.6	23
10	Ammonia recovery from human urine as liquid fertilizers in hollow fiber membrane contactor: Effects of permeate chemistry. <i>Environmental Engineering Research</i> , 2021, 26, .	1.5	21
11	Green Synthesis of Fe ₃ O ₄ @Carbon Filter Media for Simultaneous Phosphate Recovery and Nitrogen Removal from Domestic Wastewater in Biological Aerated Filters. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16698-16709.	3.2	19
12	Analysis of mass transfer behavior in membrane distillation: Mathematical modeling under various conditions. <i>Chemosphere</i> , 2019, 236, 124289.	4.2	16
13	Synergistic Co-Digestion of Microalgae and Primary Sludge to Enhance Methane Yield from Temperature-Phased Anaerobic Digestion. <i>Energies</i> , 2020, 13, 4547.	1.6	12
14	Enhancing performances of polyamide thin film composite membranes via co-solvent assisted interfacial polymerization. <i>Desalination</i> , 2022, 524, 115481.	4.0	11
15	Use of autoclaved aerated concrete particles for simultaneous removal of nitrogen and phosphorus as filter media from domestic wastewater. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3032-3042.	1.2	9
16	Modeling and application of direct contact membrane distillation for fluoride removal from aqueous solutions. , 0, 97, 23-40.		5
17	Identification of factors affecting removal of antibiotic resistance genes in full-scale anaerobic digesters treating organic solid wastes. <i>Bioresource Technology</i> , 2022, 351, 126929.	4.8	5
18	Modeling and application of direct contact membrane distillation for fluoride removal from aqueous solutions. , 0, , 23-40.		2