

Wenchao Xue

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

878
citations

623574

14
h-index

677027

22
g-index

22
all docs

22
docs citations

22
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Elimination and fate of selected micro-organic pollutants in a full-scale anaerobic/anoxic/aerobic process combined with membrane bioreactor for municipal wastewater reclamation. <i>Water Research</i> , 2010, 44, 5999-6010.	5.3	214
2	Seawater-driven forward osmosis for enriching nitrogen and phosphorous in treated municipal wastewater: Effect of membrane properties and feed solution chemistry. <i>Water Research</i> , 2015, 69, 120-130.	5.3	133
3	Excitation-emission matrix (EEM) fluorescence spectroscopy for characterization of organic matter in membrane bioreactors: Principles, methods and applications. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	100
4	Reforming MSWM in Sukunan (Yogyakarta, Indonesia): A case-study of applying a zero-waste approach based on circular economy paradigm. <i>Journal of Cleaner Production</i> , 2021, 284, 124775.	4.6	65
5	Membrane fouling and long-term performance of seawater-driven forward osmosis for enrichment of nutrients in treated municipal wastewater. <i>Journal of Membrane Science</i> , 2016, 499, 555-562.	4.1	59
6	Resource recovery toward sustainability through nutrient removal from landfill leachate. <i>Journal of Environmental Management</i> , 2021, 287, 112265.	3.8	57
7	Chemical cleaning of nanofiltration membrane filtrating the effluent from a membrane bioreactor. <i>Separation and Purification Technology</i> , 2010, 75, 407-414.	3.9	32
8	Transparent exopolymer particles (TEPs)-associated protobiofilm: A neglected contributor to biofouling during membrane filtration. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	31
9	Electroconductive moving bed membrane bioreactor (EcMB-MBR) for single-step decentralized wastewater treatment: Performance, mechanisms, and cost. <i>Water Research</i> , 2021, 188, 116547.	5.3	27
10	Membrane cleaning and performance insight of osmotic microbial fuel cell. <i>Chemosphere</i> , 2021, 285, 131549.	4.2	23
11	Techno-economic characteristics of wastewater treatment plants retrofitted from the conventional activated sludge process to the membrane bioreactor process. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	21
12	Removal of endocrine disrupting chemicals in a large scale membrane bioreactor plant combined with anaerobic-anoxic-oxic process for municipal wastewater reclamation. <i>Water Science and Technology</i> , 2011, 64, 1511-1518.	1.2	17
13	Binding TiO_2 nanoparticles to forward osmosis membranes via MEMO-PMMA-Br monomer chains for enhanced filtration and antifouling performance. <i>RSC Advances</i> , 2018, 8, 19024-19033.	1.7	16
14	Sedimentary metals in developing tropical watersheds in relation to their urbanization intensities. <i>Journal of Environmental Management</i> , 2021, 278, 111521.	3.8	15
15	Removal of typical endocrine disrupting chemicals by membrane bioreactor: in comparison with sequencing batch reactor. <i>Water Science and Technology</i> , 2011, 64, 2096-2102.	1.2	13
16	Modeling prediction of the process performance of seawater-driven forward osmosis for nutrients enrichment: Implication for membrane module design and system operation. <i>Journal of Membrane Science</i> , 2016, 515, 7-21.	4.1	11
17	Sea salt bittern-driven forward osmosis for nutrient recovery from black water: A dual waste-to-resource innovation via the osmotic membrane process. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	3.3	11
18	Treatment of agro-food industrial waste streams using osmotic microbial fuel cells: Performance and potential improvement measures. <i>Environmental Technology and Innovation</i> , 2022, 27, 102773.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Roles of membrane and organic fouling layers on the removal of endocrine disrupting chemicals in microfiltration. <i>Journal of Environmental Sciences</i> , 2018, 72, 176-184.	3.2	8
20	Spatial changes of nutrients and metallic contaminants in topsoil with multi-geostatistical approaches in a large-size watershed. <i>Science of the Total Environment</i> , 2022, 824, 153888.	3.9	7
21	Spatial and temporal variability of sedimentary nutrients in relation to regional development in the urbanizing lower Chao Phraya watersheds of Thailand. <i>Journal of Soils and Sediments</i> , 2020, 20, 4042-4054.	1.5	4
22	Partnership towards Synergistic Municipal Solid Waste Management Services in a Coastal Tourism Sub-Region. <i>Sustainability</i> , 2021, 13, 397.	1.6	4