

# Libing Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

771  
citations

516681

16  
h-index

610883

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics and formation mechanism of membrane fouling in a full-scale RO wastewater reclamation process: Membrane autopsy and fouling characterization. <i>Journal of Membrane Science</i> , 2018, 563, 843-856.	8.2	87
2	Fabrication of hydrophobic flat sheet and hollow fiber membranes from PVDF and PVDF-CTFE for membrane distillation. <i>Journal of Membrane Science</i> , 2016, 497, 183-193.	8.2	69
3	Optimization of MBR hydrodynamics for cake layer fouling control through CFD simulation and RSM design. <i>Bioresource Technology</i> , 2017, 227, 102-111.	9.6	67
4	Preparation of PVDF-CTFE hydrophobic membranes for MD application: Effect of LiCl-based mixed additives. <i>Journal of Membrane Science</i> , 2016, 506, 71-85.	8.2	56
5	Deciphering the factors influencing the discrepant fate of antibiotic resistance genes in sludge and water phases during municipal wastewater treatment. <i>Bioresource Technology</i> , 2018, 265, 310-319.	9.6	51
6	Assessment of Groundwater Quality in CKDu Affected Areas of Sri Lanka: Implications for Drinking Water Treatment. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1698.	2.6	48
7	Preparation of PVDF-CTFE hydrophobic membrane by non-solvent induced phase inversion: Relation between polymorphism and phase inversion. <i>Journal of Membrane Science</i> , 2018, 550, 480-491.	8.2	43
8	Insight into the magnetic lime coagulation-membrane distillation process for desulfurization wastewater treatment: From pollutant removal feature to membrane fouling. <i>Journal of Hazardous Materials</i> , 2020, 391, 122202.	12.4	41
9	Characterization of dissolved organic carbon in shallow groundwater of chronic kidney disease affected regions in Sri Lanka. <i>Science of the Total Environment</i> , 2019, 660, 865-875.	8.0	39
10	Preparation, evaluation and modification of PVDF-CTFE hydrophobic membrane for MD desalination application. <i>Desalination</i> , 2017, 402, 162-172.	8.2	38
11	Effect of non-solvent additives on the morphology, pore structure, and direct contact membrane distillation performance of PVDF-CTFE hydrophobic membranes. <i>Journal of Environmental Sciences</i> , 2016, 45, 28-39.	6.1	37
12	Hierarchically-structured superhydrophobic POSS/PVDF composite membrane for anti-fouling and anti-wetting membrane distillation. <i>Desalination</i> , 2022, 526, 115512.	8.2	29
13	Preparation of Interconnected Biomimetic Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (fluoride- <i>i&gt;co&lt;/i&gt;-c Inversion Process. <i>ACS Applied Materials &amp; Interfaces</i>, 2016, 8, 32604-32615.</i>	8.0	24
14	Optimized pre-treatment of high strength food waste digestate by high content aluminum-nanocluster based magnetic coagulation. <i>Journal of Environmental Sciences</i> , 2021, 104, 430-443.	6.1	22
15	Drinking-Water Supply for CKDu Affected Areas of Sri Lanka, Using Nanofiltration Membrane Technology: From Laboratory to Practice. <i>Water (Switzerland)</i> , 2019, 11, 2512.	2.7	21
16	Revealing the brick-laying process of foulants layer in membrane distillation for desulfurization wastewater treatment: Insight into the mineral scaling. <i>Desalination</i> , 2021, 500, 114888.	8.2	17
17	Comparison of an integrated short-cut biological nitrogen removal process with magnetic coagulation treating swine wastewater and food waste digestate. <i>Bioresource Technology</i> , 2021, 329, 124904.	9.6	14
18	Interconnected PVDF-CTFE hydrophobic membranes for MD desalination: effect of PEGs on phase inversion process. <i>RSC Advances</i> , 2016, 6, 20926-20937.	3.6	13

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19	Profiles of antibiotic resistome and microbial community in groundwater of CKDu prevalence zones in Sri Lanka. <i>Journal of Hazardous Materials</i> , 2021, 403, 123816.	12.4	13
20	Development of a Short-Cut Combined Magnetic Coagulation-Sequence Batch Membrane Bioreactor for Swine Wastewater Treatment. <i>Membranes</i> , 2021, 11, 83.	3.0	11
21	Insight into the microbial distribution and succession and biofouling mechanism in membrane distillation for desulfurization wastewater treatment. <i>Chemical Engineering Journal</i> , 2022, 428, 131097.	12.7	11
22	Characterization of humic substances isolated from a tropical zone and their role in membrane fouling. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107456.	6.7	10
23	Effects of mixed-liquor rheology on vibration of hollow-fiber membrane via particle image velocimetry and computational fluid dynamics. <i>Separation and Purification Technology</i> , 2020, 239, 116590.	7.9	7
24	Distribution and transformation of dissolved organic matters (DOMs) in membrane distillation for desulfurization wastewater in thermal power plant. <i>Journal of Water Process Engineering</i> , 2022, 46, 102363.	5.6	3