

Zhengzhong Zhou

List of Publications by Year in descending order

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23
papers

679
citations

687363
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all docs

23
docs citations

23
times ranked

972
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin film composite forward-osmosis membranes with enhanced internal osmotic pressure for internal concentration polarization reduction. Chemical Engineering Journal, 2014, 249, 236-245.	12.7	112
2	Hydrophilic Mineral Coating of Membrane Substrate for Reducing Internal Concentration Polarization (ICP) in Forward Osmosis. Scientific Reports, 2016, 6, 19593.	3.3	77
3	Construction of stable Ta ₃ N ₅ /g-C ₃ N ₄ metal/non-metal nitride hybrids with enhanced visible-light photocatalysis. Applied Surface Science, 2017, 391, 392-403.	6.1	72
4	Carbon quantum dots (CQDs) nanofiltration membranes towards efficient biogas slurry valorization. Chemical Engineering Journal, 2020, 385, 123993.	12.7	65
5	Fabricating carbon quantum dots doped ZnIn ₂ S ₄ nanoflower composites with broad spectrum and enhanced photocatalytic Tetracycline hydrochloride degradation. Materials Research Bulletin, 2018, 97, 158-168.	5.2	58
6	An Effective Design of Electrically Conducting Thin-Film Composite (TFC) Membranes for Bio and Organic Fouling Control in Forward Osmosis (FO). Environmental Science & Technology, 2016, 50, 10596-10605.	10.0	50
7	Surface Reaction Route To Increase the Loading of Antimicrobial Ag Nanoparticles in Forward Osmosis Membranes. ACS Sustainable Chemistry and Engineering, 2015, 3, 2959-2966.	6.7	34
8	Effect of carbon structure on hydrogen release derived from different biomass pyrolysis. Fuel, 2020, 271, 117638.	6.4	32
9	The valorization of biogas slurry with a pilot dual stage reverse osmosis membrane process. Chemical Engineering Research and Design, 2019, 142, 133-142.	5.6	25
10	Effects of spacer arm length and benzoation on enantioseparation performance of β -cyclodextrin functionalized cellulose membranes. Journal of Membrane Science, 2009, 339, 21-27.	8.2	24
11	The exploration of the reversed enantioselectivity of a chitosan functionalized cellulose acetate membranes in an electric field driven process. Journal of Membrane Science, 2012, 389, 372-379.	8.2	22
12	Experiments and Modeling of Boric Acid Permeation through Double-Skinned Forward Osmosis Membranes. Environmental Science & Technology, 2016, 50, 7696-7705.	10.0	19
13	Dual-Functional Coating of Forward Osmosis Membranes for Hydrophilization and Antimicrobial Resistance. Advanced Materials Interfaces, 2016, 3, 1500599.	3.7	15
14	Evaluating the viability of double-skin thin film composite membranes in forward osmosis processes. Journal of Membrane Science, 2016, 502, 65-75.	8.2	13
15	Effects of organic loading rates on the anaerobic co-digestion of fresh vinegar residue and pig manure: Focus on the performance and microbial communities. Biochemical Engineering Journal, 2022, 183, 108441.	3.6	12
16	The investigation of the reversed enantio-selectivity by an alpha-cyclodextrin doped thin film composite membrane. Chemical Engineering Research and Design, 2020, 160, 437-446.	5.6	11
17	Novel membrane processes for the enantiomeric resolution of tryptophan by selective permeation enhancements. AIChE Journal, 2011, 57, 1154-1162.	3.6	10
18	Enantiomeric resolution of tryptophan via stereoselective binding in an ion-exchange membrane partitioned free flow isoelectric focusing system. Chemical Engineering Journal, 2011, 174, 522-529.	12.7	9

#	ARTICLE	IF	CITATIONS
19	Gas fuel production derived from pine sawdust pyrolysis catalyzed on alumina. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2456.	1.5	6
20	Energy Consumption of Nanofiltration Diafiltration Process: Identifying the Optimal Conditions of Continuous and Intermittent Feed Diafiltration. Industrial & Engineering Chemistry Research, 0, , .	3.7	6
21	Effect of the Organic Loading Rates Increase on Process Stability and Microbial Community Composition during the Anaerobic Digestion of Fresh Vinegar Residue. Waste and Biomass Valorization, 2021, 12, 5505-5516.	3.4	3
22	Designing Multi-Stage 2 A/O-MBR Processes for a Higher Removal Rate of Pollution in Wastewater. Membranes, 2022, 12, 377.	3.0	3
23	Insight into Tar Formation Mechanism during Catalytic Pyrolysis of Biomass over Waste Aluminum Dross. Applied Sciences (Switzerland), 2021, 11, 246.	2.5	1