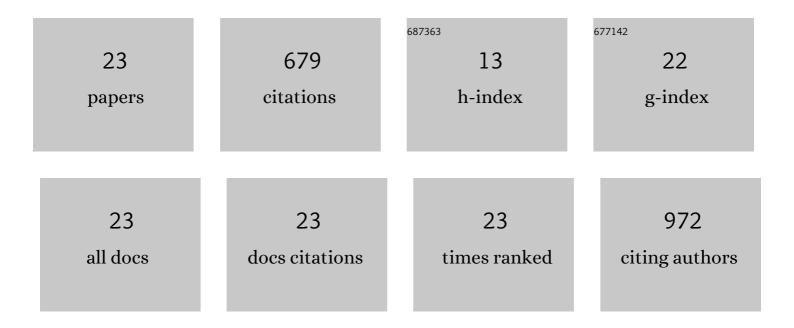
Zhengzhong Zhou

List of Publications by Year in descending order

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| # | 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 | Dualâ€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 |