Zhikan Yao

List of Publications by Year in Descending Order

23 papers	783 citations	13 h-index	24 g-index
24 ext. papers	1,196 ext. citations	9.1 avg, IF	4.49 L-index

#	Paper	IF	Citations
23	A critical review of hemoperfusion adsorbents: materials, functionalization and matrix structure selection. *Materials Advances*, **2022**, 3, 918-930	3.3	3
22	The stabilization of ultrafiltration membrane blended with randomly structured amphiphilic copolymer: Micropollutants adsorption properties in filtration processes.. *Journal of Colloid and Interface Science*, **2022**, 613, 234-243	9.3	1
21	Micromechanism Underlying Wetting Behavior of the Vacuum Membrane Distillation during Desalination. *Industrial & Engineering Chemistry Research*, **2022**, 61, 4428-4435	3.9	0
20	Nanofiltration for drinking water treatment: a review. *Frontiers of Chemical Science and Engineering*, **2021**, 1-18	4.5	8
19	Hollow nanosphere construction of covalent organic frameworks for catalysis: (Pd/C)@TpPa COFs in Suzuki coupling reaction. *Journal of Colloid and Interface Science*, **2021**, 591, 273-280	9.3	11
18	High-Efficiency Capture and Recovery of Anionic Perfluoroalkyl Substances from Water Using PVA/PDDA Nanofibrous Membranes with Near-Zero Energy Consumption. *Environmental Science and Technology Letters*, **2021**, 8, 350-355	11	4
17	Constructing a selective blocked-nanolayer on nanofiltration membrane via surface-charge inversion for promoting Li+ permselectivity over Mg2+. *Journal of Membrane Science*, **2021**, 635, 119504	9.6	6
16	High proton selectivity membrane based on the keto-linked cationic covalent organic framework for acid recovery. *Journal of Membrane Science*, **2021**, 640, 119800	9.6	3
15	Dissecting the Role of Substrate on the Morphology and Separation Properties of Thin Film Composite Polyamide Membranes: Seeing Is Believing. *Environmental Science & Technology*, **2020**, 54, 6978-6986	10.3	47
14	Highly selective separation and resource recovery using forward osmosis membrane assembled by polyphenol network. *Journal of Membrane Science*, **2020**, 611, 118305	9.6	8
13	Highly permeable and highly selective ultrathin film composite polyamide membranes reinforced by reactable polymer chains. *Journal of Colloid and Interface Science*, **2019**, 552, 418-425	9.3	16
12	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. *Journal of Colloid and Interface Science*, **2019**, 553, 99-107	9.3	43
11	Non-Polyamide Based Nanofiltration Membranes Using Green Metal-Organic Coordination Complexes: Implications for the Removal of Trace Organic Contaminants. *Environmental Science & Technology*, **2019**, 53, 2688-2694	10.3	52
10	Tailoring Polyamide Rejection Layer with Aqueous Carbonate Chemistry for Enhanced Membrane Separation: Mechanistic Insights, Chemistry-Structure-Property Relationship, and Environmental Implications. *Environmental Science & Technology*, **2019**, 53, 9764-9770	10.3	40
9	Tuning roughness features of thin film composite polyamide membranes for simultaneously enhanced permeability, selectivity and anti-fouling performance. *Journal of Colloid and Interface Science*, **2019**, 540, 382-388	9.3	75
8	Fabrication of a novel and green thin-film composite membrane containing nanovoids for water purification. *Journal of Membrane Science*, **2019**, 570-571, 314-321	9.6	32
7	Fast polydopamine coating on reverse osmosis membrane: Process investigation and membrane performance study. *Journal of Colloid and Interface Science*, **2019**, 535, 239-244	9.3	35

List of Publications

6	Tannic Acid/Fe Nanoscaffold for Interfacial Polymerization: Toward Enhanced Nanofiltration Performance. *Environmental Science & Technology*, **2018**, 52, 9341-9349	10.3	162
5	A highly selective surface coating for enhanced membrane rejection of endocrine disrupting compounds: Mechanistic insights and implications. *Water Research*, **2017**, 121, 197-203	12.5	55
4	A One-Step Rapid Assembly of Thin Film Coating Using Green Coordination Complexes for Enhanced Removal of Trace Organic Contaminants by Membranes. *Environmental Science & Technology*, **2017**, 51, 12638-12643	10.3	66
3	Does Hydrophilic Polydopamine Coating Enhance Membrane Rejection of Hydrophobic Endocrine-Disrupting Compounds?. *Environmental Science and Technology Letters*, **2016**, 3, 332-338	11	84
2	Composition and properties of porous blend membranes containing tertiary amine based amphiphilic copolymers with different sequence structures. *Journal of Colloid and Interface Science*, **2015**, 437, 124-131	9.3	25
1	Tweak in Puzzle: Tailoring Membrane Chemistry and Structure toward Targeted Removal of Organic Micropollutants for Water Reuse. *Environmental Science and Technology Letters*,	11	4