

Zhikan Yao

List of Publications by Citations

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23
papers

783
citations

13
h-index

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g-index

24
ext. papers

1,196
ext. citations

9.1
avg, IF

4.49
L-index

#	Paper	IF	Citations
23	Tannic Acid/Fe Nanoscaffold for Interfacial Polymerization: Toward Enhanced Nanofiltration Performance. <i>Environmental Science & Technology</i> , 2018 , 52, 9341-9349	10.3	162
22	Does Hydrophilic Polydopamine Coating Enhance Membrane Rejection of Hydrophobic Endocrine-Disrupting Compounds?. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 332-338	11	84
21	Tuning roughness features of thin film composite polyamide membranes for simultaneously enhanced permeability, selectivity and anti-fouling performance. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 382-388	9.3	75
20	A One-Step Rapid Assembly of Thin Film Coating Using Green Coordination Complexes for Enhanced Removal of Trace Organic Contaminants by Membranes. <i>Environmental Science & Technology</i> , 2017 , 51, 12638-12643	10.3	66
19	A highly selective surface coating for enhanced membrane rejection of endocrine disrupting compounds: Mechanistic insights and implications. <i>Water Research</i> , 2017 , 121, 197-203	12.5	55
18	Non-Polyamide Based Nanofiltration Membranes Using Green Metal-Organic Coordination Complexes: Implications for the Removal of Trace Organic Contaminants. <i>Environmental Science & Technology</i> , 2019 , 53, 2688-2694	10.3	52
17	Dissecting the Role of Substrate on the Morphology and Separation Properties of Thin Film Composite Polyamide Membranes: Seeing Is Believing. <i>Environmental Science & Technology</i> , 2020 , 54, 6978-6986	10.3	47
16	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 99-107	9.3	43
15	Tailoring Polyamide Rejection Layer with Aqueous Carbonate Chemistry for Enhanced Membrane Separation: Mechanistic Insights, Chemistry-Structure-Property Relationship, and Environmental Implications. <i>Environmental Science & Technology</i> , 2019 , 53, 9764-9770	10.3	40
14	Fast polydopamine coating on reverse osmosis membrane: Process investigation and membrane performance study. <i>Journal of Colloid and Interface Science</i> , 2019 , 535, 239-244	9.3	35
13	Fabrication of a novel and green thin-film composite membrane containing nanovoids for water purification. <i>Journal of Membrane Science</i> , 2019 , 570-571, 314-321	9.6	32
12	Composition and properties of porous blend membranes containing tertiary amine based amphiphilic copolymers with different sequence structures. <i>Journal of Colloid and Interface Science</i> , 2015 , 437, 124-131	9.3	25
11	Highly permeable and highly selective ultrathin film composite polyamide membranes reinforced by reactable polymer chains. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 418-425	9.3	16
10	Hollow nanosphere construction of covalent organic frameworks for catalysis: (Pd/C)@TpPa COFs in Suzuki coupling reaction. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 273-280	9.3	11
9	Highly selective separation and resource recovery using forward osmosis membrane assembled by polyphenol network. <i>Journal of Membrane Science</i> , 2020 , 611, 118305	9.6	8
8	Nanofiltration for drinking water treatment: a review. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 1-18	4.5	8
7	Constructing a selective blocked-nanolayer on nanofiltration membrane via surface-charge inversion for promoting Li ⁺ permselectivity over Mg ²⁺ . <i>Journal of Membrane Science</i> , 2021 , 635, 119504	9.6	6

6	High-Efficiency Capture and Recovery of Anionic Perfluoroalkyl Substances from Water Using PVA/PDDA Nanofibrous Membranes with Near-Zero Energy Consumption. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 350-355	11	4
5	Tweak in Puzzle: Tailoring Membrane Chemistry and Structure toward Targeted Removal of Organic Micropollutants for Water Reuse. <i>Environmental Science and Technology Letters</i> ,	11	4
4	A critical review of hemoperfusion adsorbents: materials, functionalization and matrix structure selection. <i>Materials Advances</i> , 2022 , 3, 918-930	3.3	3
3	High proton selectivity membrane based on the keto-linked cationic covalent organic framework for acid recovery. <i>Journal of Membrane Science</i> , 2021 , 640, 119800	9.6	3
2	The stabilization of ultrafiltration membrane blended with randomly structured amphiphilic copolymer: Micropollutants adsorption properties in filtration processes.. <i>Journal of Colloid and Interface Science</i> , 2022 , 613, 234-243	9.3	1
1	Micromechanism Underlying Wetting Behavior of the Vacuum Membrane Distillation during Desalination. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 4428-4435	3.9	0