

Xin Li

List of Publications by Year in descending order

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37
papers

3,974
citations

201385

27
h-index

329751

37
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38
all docs

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docs citations

38
times ranked

3914
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane bioreactors for hospital wastewater treatment: recent advancements in membranes and processes. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 634-660.	2.3	9
2	Layer-by-layer aided β -cyclodextrin nanofilm for precise organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 652, 120466.	4.1	29
3	Mechanistic insights into the degradation of monovalent selective ion exchange membrane towards long-term application of real salt lake brines. <i>Journal of Membrane Science</i> , 2022, 652, 120446.	4.1	12
4	Anti-fouling piezoelectric PVDF membrane: Effect of morphology on dielectric and piezoelectric properties. <i>Journal of Membrane Science</i> , 2021, 620, 118818.	4.1	35
5	A selective cocrystallization separation method based on non-covalent interactions and its application. <i>CrystEngComm</i> , 2021, 23, 1550-1554.	1.3	4
6	Regulating composition and structure of nanofillers in thin film nanocomposite (TFN) membranes for enhanced separation performance: A critical review. <i>Separation and Purification Technology</i> , 2021, 266, 118567.	3.9	122
7	Electrophoretic nuclei assembly of MOFs in polyamide membranes for enhanced nanofiltration. <i>Desalination</i> , 2021, 512, 115125.	4.0	22
8	3D printed chemically and mechanically robust membrane by selective laser sintering for separation of oil/water and immiscible organic mixtures. <i>Chemical Engineering Journal</i> , 2020, 385, 123816.	6.6	29
9	One-step synthesis of 2-mercaptobenzothiazole functionalized magnetic Fe ₃ O ₄ and its application for the removal of heavy metals. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 113, 264-272.	2.7	9
10	Polyelectrolytes self-assembly: versatile membrane fabrication strategy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20870-20896.	5.2	48
11	Layer-by-layer assembly based low pressure biocatalytic nanofiltration membranes for micropollutants removal. <i>Journal of Membrane Science</i> , 2020, 615, 118514.	4.1	61
12	Bio-inspired co-deposited preparation of GO composite loose nanofiltration membrane for dye contaminated wastewater sustainable treatment. <i>Journal of Hazardous Materials</i> , 2020, 400, 123121.	6.5	95
13	The potential of Kevlar aramid nanofiber composite membranes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7548-7568.	5.2	114
14	An MXene-based membrane for molecular separation. <i>Environmental Science: Nano</i> , 2020, 7, 1289-1304.	2.2	78
15	Synthesis of ZIF-8 based composite hollow fiber membrane with a dense skin layer for facilitated biogas upgrading in gas-liquid membrane contactor. <i>Journal of Membrane Science</i> , 2019, 585, 238-252.	4.1	32
16	Fouling behavior of isolated dissolved organic fractions from seawater in reverse osmosis (RO) desalination process. <i>Water Research</i> , 2019, 159, 385-396.	5.3	54
17	Design and development of layer-by-layer based low-pressure antifouling nanofiltration membrane used for water reclamation. <i>Journal of Membrane Science</i> , 2019, 584, 309-323.	4.1	80
18	Covalent organic frameworks for membrane separation. <i>Chemical Society Reviews</i> , 2019, 48, 2665-2681.	18.7	733

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19	Nanostructured Membranes for Water Purification. <i>Engineering Materials</i> , 2019, , 243-274.	0.3	2
20	High-flux thin film composite membranes for nanofiltration mediated by a rapid co-deposition of polydopamine/piperazine. <i>Journal of Membrane Science</i> , 2018, 554, 97-108.	4.1	131
21	Mussel-Inspired Monovalent Selective Cation Exchange Membranes Containing Hydrophilic MIL53(Al) Framework for Enhanced Ion Flux. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6275-6283.	1.8	19
22	New promising polymer for organic solvent nanofiltration: Oxidized poly (arylene sulfide sulfone). <i>Journal of Membrane Science</i> , 2018, 549, 438-445.	4.1	54
23	Incorporating organic nanospheres into the polyamide layer to prepare thin film composite membrane with enhanced biocidal activity and chlorine resistance. <i>Separation and Purification Technology</i> , 2018, 207, 222-230.	3.9	42
24	Progress and perspectives for synthesis of sustainable antifouling composite membranes containing in situ generated nanoparticles. <i>Journal of Membrane Science</i> , 2017, 524, 502-528.	4.1	156
25	Elevated Performance of Thin Film Nanocomposite Membranes Enabled by Modified Hydrophilic MOFs for Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1975-1986.	4.0	368
26	Internal pore decoration with polydopamine nanoparticle on polymeric ultrafiltration membrane for enhanced heavy metal removal. <i>Chemical Engineering Journal</i> , 2017, 314, 38-49.	6.6	203
27	Metal-organic frameworks based membranes for liquid separation. <i>Chemical Society Reviews</i> , 2017, 46, 7124-7144.	18.7	557
28	High flux electroneutral loose nanofiltration membranes based on rapid deposition of polydopamine/polyethyleneimine. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14847-14857.	5.2	195
29	Iron-tannin-framework complex modified PES ultrafiltration membranes with enhanced filtration performance and fouling resistance. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 642-652.	5.0	67
30	A synergetic analysis method for antifouling behavior investigation on PES ultrafiltration membrane with self-assembled TiO ₂ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 164-176.	5.0	48
31	Fouling behavior of polyethersulfone ultrafiltration membranes functionalized with sol-gel formed ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 50711-50719.	1.7	50
32	Hollow mesoporous silica spheres/polyethersulfone composite ultrafiltration membrane with enhanced antifouling property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 180-189.	2.3	21
33	Polyethyleneimine, an effective additive for polyethersulfone ultrafiltration membrane with enhanced permeability and selectivity. <i>Journal of Membrane Science</i> , 2015, 476, 216-223.	4.1	72
34	Preparation and characterization of ZrO ₂ /PES hybrid ultrafiltration membrane with uniform ZrO ₂ nanoparticles. <i>Desalination</i> , 2014, 332, 60-66.	4.0	110
35	Self-assembly of TiO ₂ nanoparticles around the pores of PES ultrafiltration membrane for mitigating organic fouling. <i>Journal of Membrane Science</i> , 2014, 467, 226-235.	4.1	187
36	In situ formation of Ag nanoparticles in PVDF ultrafiltration membrane to mitigate organic and bacterial fouling. <i>Desalination</i> , 2013, 324, 48-56.	4.0	120

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37	<i>In situ</i> Preparation and Antifouling Performance of ZrO ₂ /PVDF Hybrid Membrane. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 2592-2598.	2.2	6