

Chien-Hua Chen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

913
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471371

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docs citations

23
times ranked

1101
citing authors

#	ARTICLE	IF	CITATIONS
1	Omniphobic membranes for direct contact membrane distillation: Effective deposition of zinc oxide nanoparticles. <i>Desalination</i> , 2018, 428, 255-263.	4.0	128
2	Phosphorus-doped g-C ₃ N ₄ integrated photocatalytic membrane reactor for wastewater treatment. <i>Journal of Membrane Science</i> , 2019, 580, 1-11.	4.1	99
3	Freeform surface finish of plastic injection mold by using ball-burnishing process. <i>Journal of Materials Processing Technology</i> , 2003, 140, 248-254.	3.1	97
4	Characterization and molecular simulation of Pebax-1657-based mixed matrix membranes incorporating MoS ₂ nanosheets for carbon dioxide capture enhancement. <i>Journal of Membrane Science</i> , 2019, 582, 358-366.	4.1	64
5	Performance of ceramic membrane in vacuum membrane distillation and in vacuum membrane crystallization. <i>Desalination</i> , 2018, 440, 48-58.	4.0	54
6	Mesoporous Fluorocarbon-Modified Silica Aerogel Membranes Enabling Long-Term Continuous CO ₂ Capture with Large Absorption Flux Enhancements. <i>ChemSusChem</i> , 2013, 6, 437-442.	3.6	52
7	Nanostructure depositions on alumina hollow fiber membranes for enhanced wetting resistance during membrane distillation. <i>Journal of Membrane Science</i> , 2018, 564, 227-236.	4.1	50
8	Sol-gel preparation of polymethylsilsesquioxane aerogel membranes for CO ₂ absorption fluxes in membrane contactors. <i>Applied Energy</i> , 2014, 129, 25-31.	5.1	49
9	3D printing design of turbulence promoters in a cross-flow microfiltration system for fine particles removal. <i>Journal of Membrane Science</i> , 2019, 573, 647-656.	4.1	41
10	MIL-88B(Fe)-coated photocatalytic membrane reactor with highly stable flux and phenol removal efficiency. <i>Chemical Engineering Journal</i> , 2021, 418, 129469.	6.6	41
11	Carbon dioxide capture using an omniphobic membrane for a gas-liquid contacting process. <i>Journal of Membrane Science</i> , 2018, 556, 227-237.	4.1	36
12	Hydrophobic alumina hollow fiber membranes for sucrose concentration by vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2018, 555, 250-257.	4.1	32
13	Reusable methyltrimethoxysilane-based mesoporous water-repellent silica aerogel membranes for CO ₂ capture. <i>RSC Advances</i> , 2014, 4, 1456-1459.	1.7	31
14	Increasing the Performance of Vacuum Membrane Distillation Using Micro-Structured Hydrophobic Aluminum Hollow Fiber Membranes. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 357.	1.3	24
15	Effect of substrate curvature on microstructure and gas permeability of hollow fiber MFI zeolite membranes. <i>AIChE Journal</i> , 2018, 64, 3419-3428.	1.8	23
16	Highly gas permeable, ultrathin Teflon AF2400/ β -alumina composite hollow fiber membranes for dissolved gas analysis. <i>Journal of Membrane Science</i> , 2017, 540, 243-250.	4.1	21
17	Polyvinylidene Fluoride/Siloxane Nanofibrous Membranes for Long-Term Continuous CO ₂ Capture with Large Absorption Flux Enhancement. <i>ChemSusChem</i> , 2014, 7, 604-609.	3.6	20
18	Characterization of membrane fouling distribution in a spiral wound module using high-frequency ultrasound image analysis. <i>Journal of Membrane Science</i> , 2015, 495, 489-501.	4.1	18

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19	Fenton oxidation-based cleaning technology for powdered activated carbon-precoated dynamic membranes used in microfiltration seawater pretreatment systems. <i>Journal of Membrane Science</i> , 2019, 591, 117298.	4.1	10
20	Gas Transport Properties of Teflon AF2400/Ceramic Composite Hollow Fiber Membranes in Dissolved-Gas-in-Oil Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5392-5401.	1.8	9
21	Pseudo-Dynamic Test of Full-Scale Rcs Frame: Part II - Analysis And Design Implications. , 2004, , 1.		6
22	Splitting rules of electronic miniband in Fibonacci superlattices: a gap map approach. <i>European Physical Journal B</i> , 2010, 73, 503-508.	0.6	6
23	Imaging the effect of aeration on particle fouling mitigation in a submerged membrane filtration using a photointerrupt sensor array. <i>Separation Science and Technology</i> , 2017, 52, 228-239.	1.3	2