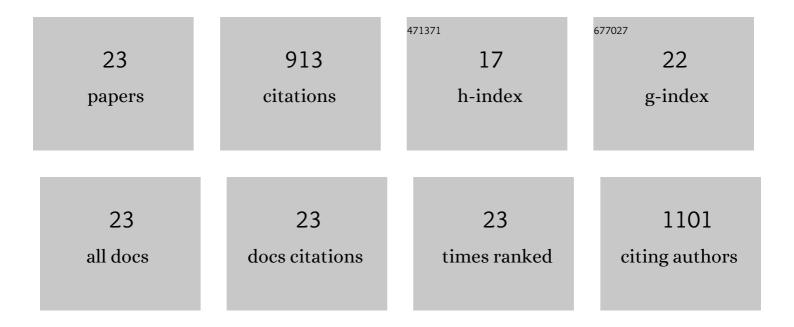
Chien-Hua Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	MIL-88B(Fe)-coated photocatalytic membrane reactor with highly stable flux and phenol removal efficiency. Chemical Engineering Journal, 2021, 418, 129469.	6.6	41
2	Gas Transport Properties of Teflon AF2400/Ceramic Composite Hollow Fiber Membranes in Dissolved-Gas-in-Oil Extraction. Industrial & Engineering Chemistry Research, 2020, 59, 5392-5401.	1.8	9
3	Fenton oxidation-based cleaning technology for powdered activated carbon-precoated dynamic membranes used in microfiltration seawater pretreatment systems. Journal of Membrane Science, 2019, 591, 117298.	4.1	10
4	Characterization and molecular simulation of Pebax-1657-based mixed matrix membranes incorporating MoS2 nanosheets for carbon dioxide capture enhancement. Journal of Membrane Science, 2019, 582, 358-366.	4.1	64
5	Phosphorus-doped g-C3N4 integrated photocatalytic membrane reactor for wastewater treatment. Journal of Membrane Science, 2019, 580, 1-11.	4.1	99
6	3D printing design of turbulence promoters in a cross-flow microfiltration system for fine particles removal. Journal of Membrane Science, 2019, 573, 647-656.	4.1	41
7	Performance of ceramic membrane in vacuum membrane distillation and in vacuum membrane crystallization. Desalination, 2018, 440, 48-58.	4.0	54
8	Carbon dioxide capture using an omniphobic membrane for a gas-liquid contacting process. Journal of Membrane Science, 2018, 556, 227-237.	4.1	36
9	Hydrophobic alumina hollow fiber membranes for sucrose concentration by vacuum membrane distillation. Journal of Membrane Science, 2018, 555, 250-257.	4.1	32
10	Omniphobic membranes for direct contact membrane distillation: Effective deposition of zinc oxide nanoparticles. Desalination, 2018, 428, 255-263.	4.0	128
11	Nanostructure depositions on alumina hollow fiber membranes for enhanced wetting resistance during membrane distillation. Journal of Membrane Science, 2018, 564, 227-236.	4.1	50
12	Effect of substrate curvature on microstructure and gas permeability of hollow fiber MFI zeolite membranes. AICHE Journal, 2018, 64, 3419-3428.	1.8	23
13	Highly gas permeable, ultrathin Teflon AF2400/γ-alumina composite hollow fiber membranes for dissolved gas analysis. Journal of Membrane Science, 2017, 540, 243-250.	4.1	21
14	Imaging the effect of aeration on particle fouling mitigation in a submerged membrane filtration using a photointerrupt sensor array. Separation Science and Technology, 2017, 52, 228-239.	1.3	2
15	Increasing the Performance of Vacuum Membrane Distillation Using Micro-Structured Hydrophobic Aluminum Hollow Fiber Membranes. Applied Sciences (Switzerland), 2017, 7, 357.	1.3	24
16	Characterization of membrane fouling distribution in a spiral wound module using high-frequency ultrasound image analysis. Journal of Membrane Science, 2015, 495, 489-501.	4.1	18
17	Polyvinylidene Fluoride/Siloxane Nanofibrous Membranes for Longâ€Term Continuous CO ₂ â€Capture with Large Absorptionâ€Flux Enhancement. ChemSusChem, 2014, 7, 604-609.	3.6	20
18	Reusable methyltrimethoxysilane-based mesoporous water-repellent silica aerogel membranes for CO ₂ 22	1.7	31

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#	Article	IF	CITATIONS
19	Sol–gel preparation of polymethylsilsesquioxane aerogel membranes for CO2 absorption fluxes in membrane contactors. Applied Energy, 2014, 129, 25-31.	5.1	49
20	Mesoporous Fluorocarbonâ€Modified Silica Aerogel Membranes Enabling Longâ€Term Continuous CO ₂ Capture with Large Absorption Flux Enhancements. ChemSusChem, 2013, 6, 437-442.	3.6	52
21	Splitting rules of electronic miniband in Fibonacci superlattices: a gap map approach. European Physical Journal B, 2010, 73, 503-508.	0.6	6
22	Pseudo-Dynamic Test of Full-Scale Rcs Frame: Part II - Analysis And Design Implications. , 2004, , 1.		6
23	Freeform surface finish of plastic injection mold by using ball-burnishing process. Journal of Materials Processing Technology, 2003, 140, 248-254.	3.1	97