Chii-Dong Ho

List of Publications by Year
in descending order

162 papers	2,205 citations	257450 24 h-index	276875 41 g-index
162 all docs	162 docs citations	162 times ranked	1586 citing authors

#	Article	IF	Citations
1	Theoretical modeling and experimental analysis of direct contact membrane distillation. Journal of Membrane Science, 2009, 330, 279-287.	8.2	165
2	An analytical study of heat and mass transfer through a parallel-plate channel with recycle. International Journal of Heat and Mass Transfer, 1998, 41, 2589-2599.	4.8	96
3	Immediate assisted solar direct contact membrane distillation in saline water desalination. Journal of Membrane Science, 2010, 358, 122-130.	8.2	86
4	Performance improvement of a double-pass solar air heater with fins and baffles under recycling operation. Applied Energy, 2012, 100, 155-163.	10.1	78
5	Effect of collector aspect ratio on the collector efficiency of upward type baffled solar air heaters. Energy Conversion and Management, 2000, 41, 971-981.	9.2	73
6	Collector efficiency of upward-type double-pass solar air heaters with fins attached. International Communications in Heat and Mass Transfer, 2011, 38, 49-56.	5.6	69
7	Effect of external recycle on the performances of flat-plate solar air heaters with internal fins attached. Renewable Energy, 2009, 34, 1340-1347.	8.9	62
8	Co-cultivation of activated sludge and microalgae for the simultaneous enhancements of nitrogen-rich wastewater bioremediation and lipid production. Journal of the Taiwan Institute of Chemical Engineers, 2018, 87, 216-224.	5.3	62
9	Performance improvement of wire mesh packed double-pass solar air heaters with external recycle. Renewable Energy, 2013, 57, 479-489.	8.9	61
10	Modeling to enhance attached microalgal biomass growth onto fluidized beds packed in nutrients-rich wastewater whilst simultaneously biofixing CO2 into lipid for biodiesel production. Energy Conversion and Management, 2019, 185, 1-10.	9.2	58
11	Lipid for biodiesel production from attached growth Chlorella vulgaris biomass cultivating in fluidized bed bioreactor packed with polyurethane foam material. Bioresource Technology, 2017, 239, 127-136.	9.6	49
12	Stabilization of heavy metals loaded sewage sludge: Reviewing conventional to state-of-the-art thermal treatments in achieving energy sustainability. Chemosphere, 2021, 277, 130310.	8.2	49
13	Solar air heaters with external recycle. Applied Thermal Engineering, 2009, 29, 1694-1701.	6.0	47
14	Simulation of membrane distillation modules for desalination by developing user's model on Aspen Plus platform. Desalination, 2009, 249, 380-387.	8.2	47
15	The improvement of collector efficiency in solar air heaters by simultaneously air flow over and under the absorbing plate. Energy, 1999, 24, 857-871.	8.8	46
16	CFD simulation of the two-phase flow for a falling film microreactor. International Journal of Heat and Mass Transfer, 2011, 54, 3740-3748.	4.8	45
17	Treatment of palm oil mill effluent using combination system of microbial fuel cell and anaerobic membrane bioreactor. Bioresource Technology, 2017, 245, 916-924.	9.6	44
18	Simulation study of transfer characteristics for spacer-filled membrane distillation desalination modules. Applied Energy, 2017, 185, 2045-2057.	10.1	42

#	Article	IF	Citations
19	3D printing design of turbulence promoters in a cross-flow microfiltration system for fine particles removal. Journal of Membrane Science, 2019, 573, 647-656.	8.2	41
20	AN ANALYTICAL STUDY ON THE ENRICHMENT OF HEAVY WATER IN THE CONTINUOUS THERMAL-DIFFUSION COLUMN WITH EXTERNAL REFLUXES. Separation Science and Technology, 2002, 37, 3129-3153.	2.5	38
21	Theoretical and experimental studies of flux enhancement with roughened surface in direct contact membrane distillation desalination. Journal of Membrane Science, 2013, 433, 160-166.	8.2	37
22	Mechanistic kinetic models describing impact of early attachment between Chlorella vulgaris and polyurethane foam material in fluidized bed bioreactor on lipid for biodiesel production. Algal Research, 2018, 33, 209-217.	4.6	31
23	Performance improvement on distillate flux of countercurrent-flow direct contact membrane distillation systems. Desalination, 2014, 338, 26-32.	8.2	27
24	The optimal variation of zone lengths in multipass zone refining processes. Separation and Purification Technology, 1999, 15, 69-78.	7.9	26
25	Heat-transfer enhancement of double-pass solar air heaters with external recycle. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 793-800.	5.3	23
26	The influence of collector aspect ratio on the collector efficiency of baffled solar air heaters. Energy, 1998, 23, 11-16.	8.8	22
27	Numerical analysis on optimal zone lengths for each pass in multipass zoneâ€refining processes. Canadian Journal of Chemical Engineering, 1998, 76, 113-119.	1.7	20
28	Influence of Feed Composition on Distillate Flux and Membrane Fouling in Direct Contact Membrane Distillation. Separation Science and Technology, 2010, 45, 967-974.	2.5	20
29	Optimization Study of Small-Scale Solar Membrane Distillation Desalination Systems (s-SMDDS). International Journal of Environmental Research and Public Health, 2014, 11, 12064-12087.	2.6	20
30	Downward-type solar air heaters with internal recycle. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 286-291.	5.3	18
31	Energy and mass balances in multiple-effect upward solar distillers with air flow through the last-effect unit. Energy, 2000, 25, 325-337.	8.8	17
32	Investigation on the performance of hybrid anaerobic membrane bioreactors for fouling control and biogas production in palm oil mill effluent treatment. Water Science and Technology, 2017, 76, 1389-1398.	2.5	17
33	Zeolite RHO Synthesis Accelerated by Ultrasonic Irradiation Treatment. Scientific Reports, 2019, 9, 15062.	3.3	17
34	Optimal zone lengths in multi-pass zone-refining processes. Separation and Purification Technology, 1996, 6, 227-233.	0.7	16
35	Double-pass heat or mass transfer through a parallel-plate channel with recycle. International Journal of Heat and Mass Transfer, 2000, 43, 487-491.	4.8	16
36	Improvement in performance on laminar counterflow concentric circular heat exchangers with external refluxes. International Journal of Heat and Mass Transfer, 2002, 45, 3559-3569.	4.8	15

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37	CFD Study of Heat Transfer Enhanced Membrane Distillation Using Spacer-Filled Channels. Energy Procedia, 2015, 75, 3213-3219.	1.8	15
38	CFD Simulation of Direct Contact Membrane Distillation Modules with Rough Surface Channels. Energy Procedia, 2015, 75, 3083-3090.	1.8	15
39	Improvement in Performance of Double-Flow Laminar Countercurrent Mass Exchangers.. Journal of Chemical Engineering of Japan, 2000, 33, 545-551.	0.6	15
40	An analytical study of heat-transfer efficiency in laminar counterflow concentric circular tubes with external refluxes. Chemical Engineering Science, 2003, 58, 1235-1250.	3.8	14
41	Conjugated heat transfer in double-pass laminar counterflow concentric-tube heat exchangers with sinusoidal wall fluxes. International Journal of Heat and Mass Transfer, 2009, 52, 45-55.	4.8	14
42	Analytical and Experimental Study of Recycling Baffled Double-Pass Solar Air Heaters with Attached Fins. Energies, 2013, 6, 1821-1842.	3.1	13
43	Thermal Characteristics of Ice under Constant Heat Flux and Melt Removal. Heat Transfer Engineering, 2002, 23, 36-44.	1.9	12
44	Double-pass flow heat transfer in a parallel-plate channel for improved device performance under uniform heat fluxes. International Journal of Heat and Mass Transfer, 2007, 50, 2208-2216.	4.8	12
45	In-Situ Yeast Fermentation Medium in Fortifying Protein and Lipid Accumulations in the Harvested Larval Biomass of Black Soldier Fly. Processes, 2020, 8, 337.	2.8	12
46	Modified Zeolite/Polysulfone Mixed Matrix Membrane for Enhanced CO2/CH4 Separation. Membranes, 2021, 11, 630.	3.0	12
47	Simulation and Optimization of Anaerobic Co-Digestion of Food Waste with Palm Oil Mill Effluent for Biogas Production. Sustainability, 2021, 13, 13665.	3.2	12
48	Simplified analysis of the enrichment of heavy water in a batch thermal-diffusion column. Separation and Purification Technology, 1999, 16, 205-211.	7.9	11
49	THE IMPROVEMENT OF PERFORMANCE IN PARALLEL-PLATE HEAT EXCHANGERS BY INSERTING DM PARALLEL AN IMPERMEABLE SHEET FOR DOUBLE-PASS OPERATIONS. Chemical Engineering Communications, 2000, 183, 39-48.	2.6	11
50	Improvement in device performance on laminar counterflow concentric circular heat exchangers with uniform wall fluxes. International Journal of Heat and Mass Transfer, 2006, 49, 2020-2032.	4.8	11
51	Collector Efficiency in Downward-Type Double-Pass Solar Air Heaters with Attached Fins and Operated by External Recycle. Energies, 2012, 5, 2692-2707.	3.1	11
52	Investigation of Device Performance for Recycling Double-pass V-corrugated Solar Air Collectors. Energy Procedia, 2017, 105, 28-34.	1.8	11
53	Ion-Exchanged Silicoaluminophosphate-34 Membrane for Efficient CO₂/N₂ Separation with Low CO₂ Concentration in the Gas Mixture. Industrial & Engineering Chemistry Research, 2019, 58, 729-735.	3.7	11
54	A study of mass transfer efficiency in a parallel-plate channel with external refluxes. Chemical Engineering Journal, 2002, 85, 207-214.	12.7	10

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55	Theoretical study on membrane extraction of Cu2+ with D2EHPA in laminar flow circular tube modules. Desalination, 2008, 233, 247-257.	8.2	10
56	Effect of ultrafiltration on the mass-transfer efficiency improvement in a parallel-plate countercurrent dialysis system. Desalination, 2009, 242, 70-83.	8.2	10
57	Experimental and theoretical studies of recyclic flat-plate solar water heaters equipped with rectangle conduits. Renewable Energy, 2010, 35, 2279-2287.	8.9	10
58	Performance improvement of a double-pass V-corrugated solar air heater under recycling operation. International Journal of Green Energy, 2016, 13, 1547-1555.	3.8	10
59	Enhancing the Permeate Flux of Direct Contact Membrane Distillation Modules with Inserting 3D Printing Turbulence Promoters. Membranes, 2021, 11, 266.	3.0	10
60	Cool thermal discharges from ice melting with specified heat fluxes on the boundary. Energy, 1996, 21, 455-461.	8.8	9
61	Heat transfer enhancement for the power-law fluids through a parallel-plate double-pass heat exchangers with external recycle. International Communications in Heat and Mass Transfer, 2012, 39, 1111-1118.	5.6	9
62	Theoretical and experimental studies of laminar flow hollow fiber direct contact membrane distillation modules. Desalination, 2016, 378, 108-116.	8.2	9
63	Distillate flux enhancement in the air gap membrane distillation with inserting carbon-fiber spacers. Separation Science and Technology, 2017, 52, 2817-2828.	2.5	9
64	Economic Design of Solar-Driven Membrane Distillation Systems for Desalination. Membranes, 2021, 11, 15.	3.0	9
65	Artificial Neural Network (ANN) Modelling for Biogas Production in Pre-Commercialized Integrated Anaerobic-Aerobic Bioreactors (IAAB). Water (Switzerland), 2022, 14, 1410.	2.7	9
66	Cool thermal discharge obtained with air flowing over melting ice. Energy, 1998, 23, 279-288.	8.8	8
67	Asymmetric wall heat fluxes boundary conditions in double-pass parallel-plate heat exchangers. International Journal of Heat and Mass Transfer, 2009, 52, 3555-3563.	4.8	8
68	Analytical and Experimental Studies of Wire Mesh Packed Double-pass Solar Air Heaters under Recycling Operation. Energy Procedia, 2015, 75, 403-409.	1.8	8
69	Theoretical and experimental studies of immediate assisted solar air gap membrane distillation systems. Desalination and Water Treatment, 2016, 57, 3846-3860.	1.0	8
70	Efficiency of Recycling Double-Pass V-Corrugated Solar Air Collectors. Energies, 2017, 10, 875.	3.1	8
71	Improvement in performance of multi-pass laminar counterflow heat exchangers with external refluxes. International Journal of Heat and Mass Transfer, 2002, 45, 3529-3547.	4.8	7
72	Heat transfer flow in a parallel-plate channel by inserting in parallel impermeable sheets for multi-pass coolers or heaters. International Journal of Heat and Mass Transfer, 2004, 47, 459-476.	4.8	7

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73	Double-pass Flow Heat Transfer In A Circular Conduit By Inserting A Concentric Tube For Improved Performance. Chemical Engineering Communications, 2005, 192, 237-255.	2.6	7
74	The analytical and experimental studies of the parallel-plate concurrent dialysis system coupled with ultrafiltration. Journal of Membrane Science, 2006, 281, 676-684.	8.2	7
75	Evaluation of a Recirculation Scheme for Ice Storage Melting with Air as the Working Fluid. Heat Transfer Engineering, 2008, 29, 295-305.	1.9	7
76	Collector Efficiency in Downward-Type Internal-Recycle Solar Air Heaters with Attached Fins. Energies, 2013, 6, 5130-5144.	3.1	7
77	Functionalized KIT-6/Polysulfone Mixed Matrix Membranes for Enhanced CO2/CH4 Gas Separation. Polymers, 2020, 12, 2312.	4.5	7
78	IMPROVEMENT IN PERFORMANCE OF COOL-THERMAL DISCHARGE SYSTEMS FROM ICE MELTING WITH PRODUCING CHILLED AIR UNDER CONSTANT HEAT FLUX AND EXTERNAL REFLUXES. Numerical Heat Transfer; Part A: Applications, 2004, 45, 505-516.	2.1	6
79	Heat transfer of conjugated Graetz problems with laminar counterflow in double-pass concentric circular heat exchangers. International Journal of Heat and Mass Transfer, 2005, 48, 4474-4480.	4.8	6
80	Analytical and experimental studies of power-law fluids in double-pass heat exchangers for improved device performance under uniform heat fluxes. International Journal of Heat and Mass Transfer, 2013, 61, 464-474.	4.8	6
81	Theoretical and experimental studies of CO 2 absorption by the amine solvent system in parallel-plate membrane contactors. Separation and Purification Technology, 2018, 198, 128-136.	7.9	6
82	Control of Solvent-Based Post-Combustion Carbon Capture Process with Optimal Operation Conditions. Processes, 2019, 7, 366.	2.8	6
83	Evaluation of the Properties, Gas Permeability, and Selectivity of Mixed Matrix Membrane Based on Polysulfone Polymer Matrix Incorporated with KIT-6 Silica. Polymers, 2019, 11, 1732.	4.5	6
84	The Study of Continuous Thermal-Diffusion Columns on Modified Frazier-Scheme for the Enrichment of Heavy Water with Column Length Varied at a Constant Ratio. Separation Science and Technology, 2003, 38, 2425-2445.	2.5	5
85	Recycle effect on heat-transfer efficiency improvement in a double-pass parallel-plate heat exchanger under uniform wall fluxes. International Communications in Heat and Mass Transfer, 2008, 35, 1344-1349.	5.6	5
86	Performance evaluation of ePTFE and PVDF flat-sheet module direct contact membrane distillation. Water Science and Technology, 2010, 62, 347-352.	2.5	5
87	An analytical study of power-law fluids in double-pass heat exchangers with external recycle. International Journal of Heat and Mass Transfer, 2012, 55, 2261-2267.	4.8	5
88	The Improvement of Thermal Diffusion Performance in the Modified Frazier Scheme by Increasing the Column Heights at a Constant Ratio. Separation Science and Technology, 2015, 50, 17-25.	2.5	5
89	The influences of recycle effect on double-pass V-corrugated solar air heaters. International Journal of Green Energy, 2017, 14, 1083-1092.	3.8	5
90	CO₂ adsorption of MSU-2 synthesized by using nonionic polyethyleneoxide (PEO)-based surfactants. Chemical Engineering Communications, 2021, 208, 474-482.	2.6	5

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91	Improvement on device performance in multi-pass heat transfer through a parallel-plate channel with external recycle. International Journal of Heat and Mass Transfer, 2007, 50, 4805-4811.	4.8	4
92	The influences of recycle on a double-pass laminar counterflow concentric-tube heat exchangers with sinusoidal wall fluxes. International Communications in Heat and Mass Transfer, 2009, 36, 579-584.	5.6	4
93	Recycle effect on heat transfer enhancement in double-pass parallel-plate heat exchangers under asymmetric wall fluxes. International Communications in Heat and Mass Transfer, 2010, 37, 274-280.	5.6	4
94	Modeling of mass transfer Graetz problems in flat-plate thermal-diffusion columns for heavy water enrichment. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 50-57.	5.3	4
95	Computational Fluid Dynamics Simulation Study of a Novel Membrane Contactor for Simultaneous Carbon Dioxide Absorption and Stripping. Energies, 2017, 10, 1136.	3.1	4
96	Increasing the Device Performance of Recycling Double-Pass W-Ribs Solar Air Heaters. Energies, 2020, 13, 2133.	3.1	4
97	Improvement in Performance of Double-Pass Concentric Circular Mass Exchangers.. Journal of Chemical Engineering of Japan, 2003, 36, 81-91.	0.6	4
98	Effects of ring number and baffled-ring distances on ultrafiltration in the tubular membrane inserted concentrically with a ring rod. Membrane Water Treatment, 2012, 3, 51-62.	0.5	4
99	A THEORETICAL STUDY OF THE RECYCLE EFFECT ON HEAT TRANSFER EFFICIENCY IN COOL-THERMAL DISCHARGE SYSTEMS FROM ICE MELTING WITH PRODUCING CHILLED AIR. Numerical Heat Transfer; Part A: Applications, 2004, 46, 277-299.	2.1	3
100	MASS-TRANSFER FLOW IN A PARALLEL-PLATE CHANNEL WITH PERMEABLE BARRIERS INSERTED FOR COUNTERCURRENT MULTI-PASS OPERATIONS. Chemical Engineering Communications, 2006, 193, 246-271.	2.6	3
101	Heat-transfer efficiency improvement of double-pass concentric circular heat exchangers under uniform wall fluxes. International Communications in Heat and Mass Transfer, 2008, 35, 828-832.	5.6	3
102	Modeling extraction separation of Cu(II) in hollow-fiber modules. Chemical Engineering Science, 2009, 64, 3455-3465.	3.8	3
103	Performance improvement of countercurrent-flow direct contact membrane distillation in seawater desalination systems. Desalination and Water Treatment, 2013, 51, 5113-5120.	1.0	3
104	Recycle effect on heat transfer enhancement in double-pass heat exchangers under asymmetric isotherm conditions. International Communications in Heat and Mass Transfer, 2015, 67, 109-113.	5.6	3
105	CFD Study of Hybrid Membrane Contactors for Absorption and Stripping of Carbon Dioxide. Energy Procedia, 2017, 105, 4065-4071.	1.8	3
106	Augmenting CO2 Absorption Flux through a Gasâ€“Liquid Membrane Module by Inserting Carbon-Fiber Spacers. Membranes, 2020, 10, 302.	3.0	3
107	Optimizing Thermal Efficiencies of Double-Pass Cross-Corrugated Solar Air Heaters on Various Configurations with External Recycling. Energies, 2021, 14, 4019.	3.1	3
108	An Analytical Study of Mass Transfer Efficiency in Double-Pass Parallel-Plate Mass Exchangers under Uniform Wall Fluxes. Journal of Chemical Engineering of Japan, 2006, 39, 1243-1254.	0.6	3

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109	Theoretical and experimental studies of direct contact membrane distillation modules with inserting W-shaped carbon-fiber spacers. , 0, 71, 32-44.		3
110	An analytical study of laminar counterflow double-pass heat exchangers with external refluxes. International Journal of Heat and Mass Transfer, 2000, 43, 3263-3274.	4.8	2
111	A theoretical study of the improvement in performance of double-pass mass exchangers with external refluxes separated by an idealized permeable barrier. Chemical Engineering Journal, 2002, 89, 253-262.	12.7	2
112	Improvement in Performance of Thermal Diffusion Columns on Heavy Water Enrichment under Sidestream Operations and Flow-Rate Fraction Variations. Separation Science and Technology, 2004, 39, 3373-3403.	2.5	2
113	THE INFLUENCE OF RECYCLE ON MULTI-PASS LAMINAR COUNTERFLOW HEATERS OR COOLERS. Chemical Engineering Communications, 2004, 191, 1064-1082.	2.6	2
114	Heat Transfer Prediction of Recycle Effect for Improved Device Performance in Cool-Thermal Discharge Systems. Numerical Heat Transfer; Part A: Applications, 2008, 54, 709-725.	2.1	2
115	Heat transfer enhancement in cool-thermal discharge systems from ice melting with timeâ€“velocity variations. International Communications in Heat and Mass Transfer, 2010, 37, 815-821.	5.6	2
116	Effect of external recycle on upward-type solar air heaters. Journal of the Taiwan Institute of Chemical Engineers, 2010, 41, 92-95.	5.3	2
117	Theoretical and Experimental Studies of the Ultra-Thin-Channel Solar Water Collector. Heat Transfer Engineering, 2012, 33, 1272-1280.	1.9	2
118	Performance analysis for an inclined thermal diffusion column with side-stream operation for heavy water enrichment. Progress in Nuclear Energy, 2012, 55, 61-67.	2.9	2
119	An analytical study of laminar concurrent flow membrane absorption through a hollow fiber gasâ€“liquid membrane contactor. Journal of Membrane Science, 2013, 428, 232-240.	8.2	2
120	Experimental and analytical study of the internal recycle-effect on the heat transfer for the power-law fluid in a double-pass flat-plate heat exchanger with constant wall temperature. International Communications in Heat and Mass Transfer, 2014, 50, 44-51.	5.6	2
121	Device Performance Improvement of Double-Pass Wire Mesh Packed Solar Air Heaters under Recycling Operation Conditions. Energies, 2016, 9, 68.	3.1	2
122	Theoretical and Experimental Studies of a Compact Multiunit Direct Contact Membrane Distillation Module. Industrial & Engineering Chemistry Research, 2016, 55, 5385-5394.	3.7	2
123	Recovery of deuterium from Hâ€“D gas mixture in thermal diffusion columns connected in series with countercurrent-flow transverse sampling streams. International Journal of Hydrogen Energy, 2016, 41, 10819-10826.	7.1	2
124	Conjugated Mass Transfer of CO2 Absorption through Concentric Circular Gasâ€“Liquid Membrane Contactors. Processes, 2021, 9, 1580.	2.8	2
125	Optimization of three small-scale solar membrane distillation desalination systems. Membrane Water Treatment, 2015, 6, 451-476.	0.5	2
126	Theoretical and Experimental Studies of CO2 Absorption in Double-Unit Flat-Plate Membrane Contactors. Membranes, 2022, 12, 370.	3.0	2

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127	Enhancing Absorption Performance of CO2 by Amine Solution through the Spiral Wired Channel in Concentric Circular Membrane Contactors. Membranes, 2022, 12, 4.	3.0	2
128	Energy and mass balances in open-type multiple-effect solar distillers with air flow through the last effect. Energy, 1999, 24, 103-115.	8.8	1
129	The influences of recycle on a double-pass laminar counterflow concentric circular heat exchangers. International Journal of Heat and Mass Transfer, 2003, 46, 2103-2113.	4.8	1
130	Recycle Effect on Cool-Thermal Discharge Systems from Ice Melting with Chilled Air Produced Under Complete Melt Removal and Specified Heat Fluxes on the Boundary. Numerical Heat Transfer; Part A: Applications, 2006, 50, 883-904.	2.1	1
131	MASS TRANSFER IN LAMINAR FLOW IN CONCENTRIC-TUBE THERMAL-DIFFUSION COLUMNS FOR HEAVY WATER ENRICHMENT UNDER THE EFFECTS OF FLOW-RATE FRACTIONS AND RECYCLES. Chemical Engineering Communications, 2007, 194, 1430-1456.	2.6	1
132	A Theoretical Study of the Recycle Effect on Multi-Pass Mass Exchangers with Three Idealized Membranes Inserted. Canadian Journal of Chemical Engineering, 2005, 83, 843-854.	1.7	1
133	Optimal configuration design for double-flow thermal-diffusion columns with external recycle. Progress in Nuclear Energy, 2010, 52, 425-434.	2.9	1
134	Heat transfer modeling of conjugated Graetz problems in double-pass parallel-plate heat exchangers under asymmetric wall temperatures. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2013, 36, 647-657.	1.1	1
135	Recycle Effect on Device Performance of Wire Mesh Packed Double-Pass Solar Air Heaters. Energies, 2014, 7, 7568-7585.	3.1	1
136	The theoretical study of the deuterium enrichment of H-D gas mixture in continuous-type thermal-diffusion columns. Progress in Nuclear Energy, 2015, 83, 152-158.	2.9	1
137	Distillate flux enhancement of the concentric circular direct contact membrane distillation module with spiral wired flow channel. Journal of the Taiwan Institute of Chemical Engineers, 2019, 94, 70-80.	5.3	1
138	Conjugated heat transfer of power-law fluids in double-pass concentric circular heat exchangers with sinusoidal wall fluxes. Mathematical Biosciences and Engineering, 2021, 18, 5592-5613.	1.9	1
139	Systematic Performance Comparison of Fe3+/Fe0/Peroxymonosulfate and Fe3+/Fe0/Peroxydisulfate Systems for Organics Removal. Materials, 2021, 14, 5284.	2.9	1
140	Multiple-Pass Flow Mass Transfer in a Parallel-Plate Channel by Inserting Permeable Barriers for Improved Device Performance. Journal of Chemical Engineering of Japan, 2004, 37, 45-58.	0.6	1
141	The Effect of Recycle on Double-Pass Laminar Counterflow Concentric Circular Mass Exchangers. Journal of Chemical Engineering of Japan, 2005, 38, 12-17.	0.6	1
142	Modeling and Simulation of Double-Pass Parallel-Plate Mass Exchangers under Asymmetric Wall Concentrations. Journal of Chemical Engineering of Japan, 2011, 44, 919-930.	0.6	1
143	Performance improvement of countercurrent-flow membrane gas absorption in a hollow fiber gas-liquid membrane contactor. Membrane Water Treatment, 2017, 8, 35-50.	0.5	1
144	Solar-Assisted Membrane Distillation. Membranes, 2022, 12, 304.	3.0	1

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145	Distillate Flux Enhancement of Direct Contact Membrane Distillation Modules with Inserting Cross-Diagonal Carbon-Fiber Spacers. Membranes, 2021, 11, 973.	3.0	1
146	The improvement of heat transfer efficiencies in cool-thermal discharge systems with complete removal of melt. Heat Transfer - Asian Research, 2003, 32, 524-532.	2.8	0
147	MASS TRANSFER ENHANCEMENT OF CONJUGATED GRAETZ PROBLEMS IN MULTI-PASS PARALLEL-PLATE MASS EXCHANGERS WITH EXTERNAL RECYCLE. Chemical Engineering Communications, 2007, 194, 69-84.	2.6	0
148	A study on membrane distillation by a solar thermalâ€driven system. Heat Transfer - Asian Research, 2007, 36, 417-428.	2.8	0
149	Theoretical and experimental studies on the heavy water enrichment in concentric-tube Frazier-scheme thermal-diffusion columns under flow-rate fraction and plate spacing variations. Journal of the Taiwan Institute of Chemical Engineers, 2007, 38, 53-62.	1.4	0
150	Sinusoidal Wall Fluxes in Double-Pass Laminar Counterflow Concentric-Tube Mass Exchangers. Journal of Chemical Engineering of Japan, 2008, 41, 1083-1095.	0.6	0
151	The improvement of the heavy water enrichment under countercurrent-flow Frazier scheme and flow-rate fraction variations. Journal of the Taiwan Institute of Chemical Engineers, 2009, 40, 555-562.	5.3	0
152	Theoretical and experimental studies of membrane extraction of Cu2+ with D2EHPA through rectangular conduits. Chemical Engineering and Processing: Process Intensification, 2009, 48, 111-119.	3.6	0
153	Conjugated mass transfer in an inclined thermal-diffusion column for heavy water enrichment with plate aspect ratio variations. Progress in Nuclear Energy, 2013, 66, 90-98.	2.9	0
154	The analytical study on heavy water enrichment in concentric circular thermal-diffusion columns with optimal plate spacing for improved performance. Nuclear Engineering and Design, 2013, 259, 118-125.	1.7	0
155	Improvement in Device Performance of Power-Law Fluids in Double-Pass Concentric Circular Heat Exchangers. Journal of Chemical Engineering of Japan, 2015, 48, 533-537.	0.6	0
156	Heat Transfer Phenomena of Power Law Fluids in Doubleâ€Pass Heat Exchangers with Isoflux Conditions. Chemical Engineering and Technology, 2015, 38, 362-371.	1.5	0
157	Analytical and experimental studies for power-law fluids in a double-pass parallel-plate heat exchanger under asymmetric isotherm conditions. International Journal of Heat and Mass Transfer, 2017, 106, 1242-1250.	4.8	0
158	Mass Transfer Improvement on Double-Pass Laminar Counterflow Concentric Circular Mass Exchangers with External Recycle. Journal of Chemical Engineering of Japan, 2007, 40, 805-807.	0.6	0
159	Mass Transfer Efficiency of Membrane Solvent Extraction in Laminar Cocurrent Flow in Concentric Circular-Tube Modules. Journal of Chemical Engineering of Japan, 2008, 41, 254-263.	0.6	0
160	Recycle Effect on Double-Pass Parallel-Plate Mass Exchangers under Asymmetric Uniform Wall Concentrations. Journal of Chemical Engineering of Japan, 2013, 46, 583-587.	0.6	0
161	Permeate flux enhancement with roughened-surface flow channel in air-gap membrane distillation systems. , 0, 136, 39-48.		0
162	Optimizing thermal efficiencies of power-law fluids in double-pass concentric circular heat exchangers with sinusoidal wall fluxes. Mathematical Biosciences and Engineering, 2022, 19, 8648-8670.	1.9	0