

Chii-Dong Ho

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Theoretical and Experimental Studies of CO ₂ Absorption in Double-Unit Flat-Plate Membrane Contactors. <i>Membranes</i> , 2022, 12, 370.	1.4	2
2	Solar-Assisted Membrane Distillation. <i>Membranes</i> , 2022, 12, 304.	1.4	1
3	Enhancing Absorption Performance of CO ₂ by Amine Solution through the Spiral Wired Channel in Concentric Circular Membrane Contactors. <i>Membranes</i> , 2022, 12, 4.	1.4	2
4	Artificial Neural Network (ANN) Modelling for Biogas Production in Pre-Commercialized Integrated Anaerobic-Aerobic Bioreactors (IAAB). <i>Water (Switzerland)</i> , 2022, 14, 1410.	1.2	9
5	Optimizing thermal efficiencies of power-law fluids in double-pass concentric circular heat exchangers with sinusoidal wall fluxes. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 8648-8670.	1.0	0
6	CO ₂ adsorption of MSU-2 synthesized by using nonionic polyethyleneoxide (PEO)-based surfactants. <i>Chemical Engineering Communications</i> , 2021, 208, 474-482.	1.5	5
7	Conjugated heat transfer of power-law fluids in double-pass concentric circular heat exchangers with sinusoidal wall fluxes. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 5592-5613.	1.0	1
8	Enhancing the Permeate Flux of Direct Contact Membrane Distillation Modules with Inserting 3D Printing Turbulence Promoters. <i>Membranes</i> , 2021, 11, 266.	1.4	10
9	Optimizing Thermal Efficiencies of Double-Pass Cross-Corrugated Solar Air Heaters on Various Configurations with External Recycling. <i>Energies</i> , 2021, 14, 4019.	1.6	3
10	Stabilization of heavy metals loaded sewage sludge: Reviewing conventional to state-of-the-art thermal treatments in achieving energy sustainability. <i>Chemosphere</i> , 2021, 277, 130310.	4.2	49
11	Modified Zeolite/Polysulfone Mixed Matrix Membrane for Enhanced CO ₂ /CH ₄ Separation. <i>Membranes</i> , 2021, 11, 630.	1.4	12
12	Systematic Performance Comparison of Fe ³⁺ /FeO/Peroxymonosulfate and Fe ³⁺ /FeO/Peroxydisulfate Systems for Organics Removal. <i>Materials</i> , 2021, 14, 5284.	1.3	1
13	Conjugated Mass Transfer of CO ₂ Absorption through Concentric Circular Gas-Liquid Membrane Contactors. <i>Processes</i> , 2021, 9, 1580.	1.3	2
14	Economic Design of Solar-Driven Membrane Distillation Systems for Desalination. <i>Membranes</i> , 2021, 11, 15.	1.4	9
15	Simulation and Optimization of Anaerobic Co-Digestion of Food Waste with Palm Oil Mill Effluent for Biogas Production. <i>Sustainability</i> , 2021, 13, 13665.	1.6	12
16	Distillate Flux Enhancement of Direct Contact Membrane Distillation Modules with Inserting Cross-Diagonal Carbon-Fiber Spacers. <i>Membranes</i> , 2021, 11, 973.	1.4	1
17	Functionalized KIT-6/Polysulfone Mixed Matrix Membranes for Enhanced CO ₂ /CH ₄ Gas Separation. <i>Polymers</i> , 2020, 12, 2312.	2.0	7
18	Augmenting CO ₂ Absorption Flux through a Gas-Liquid Membrane Module by Inserting Carbon-Fiber Spacers. <i>Membranes</i> , 2020, 10, 302.	1.4	3

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19	Increasing the Device Performance of Recycling Double-Pass W-Ribs Solar Air Heaters. <i>Energies</i> , 2020, 13, 2133.	1.6	4
20	In-Situ Yeast Fermentation Medium in Fortifying Protein and Lipid Accumulations in the Harvested Larval Biomass of Black Soldier Fly. <i>Processes</i> , 2020, 8, 337.	1.3	12
21	Control of Solvent-Based Post-Combustion Carbon Capture Process with Optimal Operation Conditions. <i>Processes</i> , 2019, 7, 366.	1.3	6
22	Zeolite RHO Synthesis Accelerated by Ultrasonic Irradiation Treatment. <i>Scientific Reports</i> , 2019, 9, 15062.	1.6	17
23	Evaluation of the Properties, Gas Permeability, and Selectivity of Mixed Matrix Membrane Based on Polysulfone Polymer Matrix Incorporated with KIT-6 Silica. <i>Polymers</i> , 2019, 11, 1732.	2.0	6
24	Modeling to enhance attached microalgal biomass growth onto fluidized beds packed in nutrients-rich wastewater whilst simultaneously biofixing CO ₂ into lipid for biodiesel production. <i>Energy Conversion and Management</i> , 2019, 185, 1-10.	4.4	58
25	Ion-Exchanged Silicoaluminophosphate-34 Membrane for Efficient CO ₂ /N ₂ Separation with Low CO ₂ Concentration in the Gas Mixture. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 729-735.	1.8	11
26	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
27	Distillate flux enhancement of the concentric circular direct contact membrane distillation module with spiral wired flow channel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 94, 70-80.	2.7	1
28	Co-cultivation of activated sludge and microalgae for the simultaneous enhancements of nitrogen-rich wastewater bioremediation and lipid production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 216-224.	2.7	62
29	Theoretical and experimental studies of CO ₂ absorption by the amine solvent system in parallel-plate membrane contactors. <i>Separation and Purification Technology</i> , 2018, 198, 128-136.	3.9	6
30	Mechanistic kinetic models describing impact of early attachment between <i>Chlorella vulgaris</i> and polyurethane foam material in fluidized bed bioreactor on lipid for biodiesel production. <i>Algal Research</i> , 2018, 33, 209-217.	2.4	31
31	Simulation study of transfer characteristics for spacer-filled membrane distillation desalination modules. <i>Applied Energy</i> , 2017, 185, 2045-2057.	5.1	42
32	Lipid for biodiesel production from attached growth <i>Chlorella vulgaris</i> biomass cultivating in fluidized bed bioreactor packed with polyurethane foam material. <i>Bioresource Technology</i> , 2017, 239, 127-136.	4.8	49
33	Investigation on the performance of hybrid anaerobic membrane bioreactors for fouling control and biogas production in palm oil mill effluent treatment. <i>Water Science and Technology</i> , 2017, 76, 1389-1398.	1.2	17
34	The influences of recycle effect on double-pass V-corrugated solar air heaters. <i>International Journal of Green Energy</i> , 2017, 14, 1083-1092.	2.1	5
35	Treatment of palm oil mill effluent using combination system of microbial fuel cell and anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2017, 245, 916-924.	4.8	44
36	Investigation of Device Performance for Recycling Double-pass V-corrugated Solar Air Collectors. <i>Energy Procedia</i> , 2017, 105, 28-34.	1.8	11

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37	CFD Study of Hybrid Membrane Contactors for Absorption and Stripping of Carbon Dioxide. Energy Procedia, 2017, 105, 4065-4071.	1.8	3
38	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.	2.5	0
39	Distillate flux enhancement in the air gap membrane distillation with inserting carbon-fiber spacers. Separation Science and Technology, 2017, 52, 2817-2828.	1.3	9
40	Efficiency of Recycling Double-Pass V-Corrugated Solar Air Collectors. Energies, 2017, 10, 875.	1.6	8
41	Computational Fluid Dynamics Simulation Study of a Novel Membrane Contactor for Simultaneous Carbon Dioxide Absorption and Stripping. Energies, 2017, 10, 1136.	1.6	4
42	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
43	Device Performance Improvement of Double-Pass Wire Mesh Packed Solar Air Heaters under Recycling Operation Conditions. Energies, 2016, 9, 68.	1.6	2
44	Performance improvement of a double-pass V-corrugated solar air heater under recycling operation. International Journal of Green Energy, 2016, 13, 1547-1555.	2.1	10
45	Theoretical and Experimental Studies of a Compact Multiunit Direct Contact Membrane Distillation Module. Industrial & Engineering Chemistry Research, 2016, 55, 5385-5394.	1.8	2
46	Recovery of deuterium from H ² -D ² gas mixture in thermal diffusion columns connected in series with countercurrent-flow transverse sampling streams. International Journal of Hydrogen Energy, 2016, 41, 10819-10826.	3.8	2
47	Theoretical and experimental studies of immediate assisted solar air gap membrane distillation systems. Desalination and Water Treatment, 2016, 57, 3846-3860.	1.0	8
48	Theoretical and experimental studies of laminar flow hollow fiber direct contact membrane distillation modules. Desalination, 2016, 378, 108-116.	4.0	9
49	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.	2.9	3
50	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.	0.3	0
51	CFD Study of Heat Transfer Enhanced Membrane Distillation Using Spacer-Filled Channels. Energy Procedia, 2015, 75, 3213-3219.	1.8	15
52	Heat Transfer Phenomena of Power Law Fluids in Double-Pass Heat Exchangers with Isoflux Conditions. Chemical Engineering and Technology, 2015, 38, 362-371.	0.9	0
53	CFD Simulation of Direct Contact Membrane Distillation Modules with Rough Surface Channels. Energy Procedia, 2015, 75, 3083-3090.	1.8	15
54	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.	1.3	1

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55	Analytical and Experimental Studies of Wire Mesh Packed Double-pass Solar Air Heaters under Recycling Operation. <i>Energy Procedia</i> , 2015, 75, 403-409.	1.8	8
56	The Improvement of Thermal Diffusion Performance in the Modified Frazier Scheme by Increasing the Column Heights at a Constant Ratio. <i>Separation Science and Technology</i> , 2015, 50, 17-25.	1.3	5
57	Optimization of three small-scale solar membrane distillation desalination systems. <i>Membrane Water Treatment</i> , 2015, 6, 451-476.	0.5	2
58	Optimization Study of Small-Scale Solar Membrane Distillation Desalination Systems (s-SMDDS). <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 12064-12087.	1.2	20
59	Recycle Effect on Device Performance of Wire Mesh Packed Double-Pass Solar Air Heaters. <i>Energies</i> , 2014, 7, 7568-7585.	1.6	1
60	Performance improvement on distillate flux of countercurrent-flow direct contact membrane distillation systems. <i>Desalination</i> , 2014, 338, 26-32.	4.0	27
61	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. <i>International Communications in Heat and Mass Transfer</i> , 2014, 50, 44-51.	2.9	2
62	Theoretical and experimental studies of flux enhancement with roughened surface in direct contact membrane distillation desalination. <i>Journal of Membrane Science</i> , 2013, 433, 160-166.	4.1	37
63	Conjugated mass transfer in an inclined thermal-diffusion column for heavy water enrichment with plate aspect ratio variations. <i>Progress in Nuclear Energy</i> , 2013, 66, 90-98.	1.3	0
64	The analytical study on heavy water enrichment in concentric circular thermal-diffusion columns with optimal plate spacing for improved performance. <i>Nuclear Engineering and Design</i> , 2013, 259, 118-125.	0.8	0
65	An analytical study of laminar concurrent flow membrane absorption through a hollow fiber gas-liquid membrane contactor. <i>Journal of Membrane Science</i> , 2013, 428, 232-240.	4.1	2
66	Analytical and experimental studies of power-law fluids in double-pass heat exchangers for improved device performance under uniform heat fluxes. <i>International Journal of Heat and Mass Transfer</i> , 2013, 61, 464-474.	2.5	6
67	Performance improvement of wire mesh packed double-pass solar air heaters with external recycle. <i>Renewable Energy</i> , 2013, 57, 479-489.	4.3	61
68	Performance improvement of countercurrent-flow direct contact membrane distillation in seawater desalination systems. <i>Desalination and Water Treatment</i> , 2013, 51, 5113-5120.	1.0	3
69	Collector Efficiency in Downward-Type Internal-Recycle Solar Air Heaters with Attached Fins. <i>Energies</i> , 2013, 6, 5130-5144.	1.6	7
70	Analytical and Experimental Study of Recycling Baffled Double-Pass Solar Air Heaters with Attached Fins. <i>Energies</i> , 2013, 6, 1821-1842.	1.6	13
71	Heat transfer modeling of conjugated Graetz problems in double-pass parallel-plate heat exchangers under asymmetric wall temperatures. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2013, 36, 647-657.	0.6	1
72	Recycle Effect on Double-Pass Parallel-Plate Mass Exchangers under Asymmetric Uniform Wall Concentrations. <i>Journal of Chemical Engineering of Japan</i> , 2013, 46, 583-587.	0.3	0

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73	Collector Efficiency in Downward-Type Double-Pass Solar Air Heaters with Attached Fins and Operated by External Recycle. <i>Energies</i> , 2012, 5, 2692-2707.	1.6	11
74	Performance improvement of a double-pass solar air heater with fins and baffles under recycling operation. <i>Applied Energy</i> , 2012, 100, 155-163.	5.1	78
75	Theoretical and Experimental Studies of the Ultra-Thin-Channel Solar Water Collector. <i>Heat Transfer Engineering</i> , 2012, 33, 1272-1280.	1.2	2
76	Heat transfer enhancement for the power-law fluids through a parallel-plate double-pass heat exchangers with external recycle. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1111-1118.	2.9	9
77	An analytical study of power-law fluids in double-pass heat exchangers with external recycle. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 2261-2267.	2.5	5
78	Performance analysis for an inclined thermal diffusion column with side-stream operation for heavy water enrichment. <i>Progress in Nuclear Energy</i> , 2012, 55, 61-67.	1.3	2
79	Effects of ring number and baffled-ring distances on ultrafiltration in the tubular membrane inserted concentrically with a ring rod. <i>Membrane Water Treatment</i> , 2012, 3, 51-62.	0.5	4
80	Heat-transfer enhancement of double-pass solar air heaters with external recycle. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 793-800.	2.7	23
81	CFD simulation of the two-phase flow for a falling film microreactor. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 3740-3748.	2.5	45
82	Collector efficiency of upward-type double-pass solar air heaters with fins attached. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 49-56.	2.9	69
83	Modeling of mass transfer Graetz problems in flat-plate thermal-diffusion columns for heavy water enrichment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 50-57.	2.7	4
84	Downward-type solar air heaters with internal recycle. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 286-291.	2.7	18
85	Modeling and Simulation of Double-Pass Parallel-Plate Mass Exchangers under Asymmetric Wall Concentrations. <i>Journal of Chemical Engineering of Japan</i> , 2011, 44, 919-930.	0.3	1
86	Heat transfer enhancement in cool-thermal discharge systems from ice melting with time-velocity variations. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 815-821.	2.9	2
87	Experimental and theoretical studies of recyclic flat-plate solar water heaters equipped with rectangle conduits. <i>Renewable Energy</i> , 2010, 35, 2279-2287.	4.3	10
88	Effect of external recycle on upward-type solar air heaters. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 92-95.	2.7	2
89	Optimal configuration design for double-flow thermal-diffusion columns with external recycle. <i>Progress in Nuclear Energy</i> , 2010, 52, 425-434.	1.3	1
90	Recycle effect on heat transfer enhancement in double-pass parallel-plate heat exchangers under asymmetric wall fluxes. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 274-280.	2.9	4

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91	Immediate assisted solar direct contact membrane distillation in saline water desalination. <i>Journal of Membrane Science</i> , 2010, 358, 122-130.	4.1	86
92	Influence of Feed Composition on Distillate Flux and Membrane Fouling in Direct Contact Membrane Distillation. <i>Separation Science and Technology</i> , 2010, 45, 967-974.	1.3	20
93	Performance evaluation of ePTFE and PVDF flat-sheet module direct contact membrane distillation. <i>Water Science and Technology</i> , 2010, 62, 347-352.	1.2	5
94	Solar air heaters with external recycle. <i>Applied Thermal Engineering</i> , 2009, 29, 1694-1701.	3.0	47
95	Asymmetric wall heat fluxes boundary conditions in double-pass parallel-plate heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 3555-3563.	2.5	8
96	Conjugated heat transfer in double-pass laminar counterflow concentric-tube heat exchangers with sinusoidal wall fluxes. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 45-55.	2.5	14
97	Theoretical modeling and experimental analysis of direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2009, 330, 279-287.	4.1	165
98	The improvement of the heavy water enrichment under countercurrent-flow Frazier scheme and flow-rate fraction variations. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2009, 40, 555-562.	2.7	0
99	Effect of external recycle on the performances of flat-plate solar air heaters with internal fins attached. <i>Renewable Energy</i> , 2009, 34, 1340-1347.	4.3	62
100	Theoretical and experimental studies of membrane extraction of Cu ²⁺ with D2EHPA through rectangular conduits. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009, 48, 111-119.	1.8	0
101	Modeling extraction separation of Cu(II) in hollow-fiber modules. <i>Chemical Engineering Science</i> , 2009, 64, 3455-3465.	1.9	3
102	Effect of ultrafiltration on the mass-transfer efficiency improvement in a parallel-plate countercurrent dialysis system. <i>Desalination</i> , 2009, 242, 70-83.	4.0	10
103	Simulation of membrane distillation modules for desalination by developing user's model on Aspen Plus platform. <i>Desalination</i> , 2009, 249, 380-387.	4.0	47
104	The influences of recycle on a double-pass laminar counterflow concentric-tube heat exchangers with sinusoidal wall fluxes. <i>International Communications in Heat and Mass Transfer</i> , 2009, 36, 579-584.	2.9	4
105	Theoretical study on membrane extraction of Cu ²⁺ with D2EHPA in laminar flow circular tube modules. <i>Desalination</i> , 2008, 233, 247-257.	4.0	10
106	Heat-transfer efficiency improvement of double-pass concentric circular heat exchangers under uniform wall fluxes. <i>International Communications in Heat and Mass Transfer</i> , 2008, 35, 828-832.	2.9	3
107	Recycle effect on heat-transfer efficiency improvement in a double-pass parallel-plate heat exchanger under uniform wall fluxes. <i>International Communications in Heat and Mass Transfer</i> , 2008, 35, 1344-1349.	2.9	5
108	Evaluation of a Recirculation Scheme for Ice Storage Melting with Air as the Working Fluid. <i>Heat Transfer Engineering</i> , 2008, 29, 295-305.	1.2	7

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109	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.	1.2	2
110	Sinusoidal Wall Fluxes in Double-Pass Laminar Counterflow Concentric-Tube Mass Exchangers. Journal of Chemical Engineering of Japan, 2008, 41, 1083-1095.	0.3	0
111	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.	0.3	0
112	MASS TRANSFER ENHANCEMENT OF CONJUGATED GRAETZ PROBLEMS IN MULTI-PASS PARALLEL-PLATE MASS EXCHANGERS WITH EXTERNAL RECYCLE. Chemical Engineering Communications, 2007, 194, 69-84.	1.5	0
113	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.	1.5	1
114	A study on membrane distillation by a solar thermal-driven system. Heat Transfer - Asian Research, 2007, 36, 417-428.	2.8	0
115	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.	2.5	4
116	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
117	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.	2.5	12
118	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.	0.3	0
119	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.	1.2	1
120	MASS-TRANSFER FLOW IN A PARALLEL-PLATE CHANNEL WITH PERMEABLE BARRIERS INSERTED FOR COUNTERCURRENT MULTI-PASS OPERATIONS. Chemical Engineering Communications, 2006, 193, 246-271.	1.5	3
121	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.	2.5	11
122	The analytical and experimental studies of the parallel-plate concurrent dialysis system coupled with ultrafiltration. Journal of Membrane Science, 2006, 281, 676-684.	4.1	7
123	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.	0.3	3
124	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.	2.5	6
125	Double-pass Flow Heat Transfer In A Circular Conduit By Inserting A Concentric Tube For Improved Performance. Chemical Engineering Communications, 2005, 192, 237-255.	1.5	7
126	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.	0.9	1

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127	The Effect of Recycle on Double-Pass Laminar Counterflow Concentric Circular Mass Exchangers. Journal of Chemical Engineering of Japan, 2005, 38, 12-17.	0.3	1
128	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.	1.3	2
129	THE INFLUENCE OF RECYCLE ON MULTI-PASS LAMINAR COUNTERFLOW HEATERS OR COOLERS. Chemical Engineering Communications, 2004, 191, 1064-1082.	1.5	2
130	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.	2.5	7
131	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.	1.2	3
132	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.	1.2	6
133	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.	0.3	1
134	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
135	An analytical study of heat-transfer efficiency in laminar counterflow concentric circular tubes with external refluxes. Chemical Engineering Science, 2003, 58, 1235-1250.	1.9	14
136	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.	2.5	1
137	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.	1.3	5
138	Improvement in Performance of Double-Pass Concentric Circular Mass Exchangers.. Journal of Chemical Engineering of Japan, 2003, 36, 81-91.	0.3	4
139	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.	1.3	38
140	Thermal Characteristics of Ice under Constant Heat Flux and Melt Removal. Heat Transfer Engineering, 2002, 23, 36-44.	1.2	12
141	Improvement in performance of multi-pass laminar counterflow heat exchangers with external refluxes. International Journal of Heat and Mass Transfer, 2002, 45, 3529-3547.	2.5	7
142	A study of mass transfer efficiency in a parallel-plate channel with external refluxes. Chemical Engineering Journal, 2002, 85, 207-214.	6.6	10
143	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.	6.6	2
144	Improvement in performance on laminar counterflow concentric circular heat exchangers with external refluxes. International Journal of Heat and Mass Transfer, 2002, 45, 3559-3569.	2.5	15

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145	Double-pass heat or mass transfer through a parallel-plate channel with recycle. International Journal of Heat and Mass Transfer, 2000, 43, 487-491.	2.5	16
146	An analytical study of laminar counterflow double-pass heat exchangers with external refluxes. International Journal of Heat and Mass Transfer, 2000, 43, 3263-3274.	2.5	2
147	Energy and mass balances in multiple-effect upward solar distillers with air flow through the last-effect unit. Energy, 2000, 25, 325-337.	4.5	17
148	Effect of collector aspect ratio on the collector efficiency of upward type baffled solar air heaters. Energy Conversion and Management, 2000, 41, 971-981.	4.4	73
149	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.	1.5	11
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