Ahad Ghaemi

List of Publications by Year
in descending order

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132 papers	3,086 citations	159585 30 h-index	233421 45 g-index
133 all docs	133 docs citations	133 times ranked	1597 citing authors

#	Article	IF	Citations
1	Characterizations of strontium(II) and barium(II) adsorption from aqueous solutions using dolomite powder. Journal of Hazardous Materials, 2011, 190, 916-921.	12.4	224
2	Kinetic and thermodynamic studies of uranium(VI) adsorption using Amberlite IRA-910 resin. Annals of Nuclear Energy, 2012, 39, 42-48.	1.8	140
3	High CO₂ Adsorption on Amine-Functionalized Improved Mesoporous Silica Nanotube as an Eco-Friendly Nanocomposite. Energy & Fuels, 2019, 33, 5384-5397.	5.1	80
4	Flooding and drop size in a pulsed disc and doughnut extraction column. Chemical Engineering Research and Design, 2011, 89, 2742-2751.	5.6	75
5	Experimental Modeling and Optimization of CO₂ Absorption into Piperazine Solutions Using RSM-CCD Methodology. ACS Omega, 2020, 5, 8432-8448.	3.5	71
6	Benzene-Based Hyper-Cross-Linked Polymer with Enhanced Adsorption Capacity for CO₂ Capture. Energy & Fuels, 2019, 33, 12578-12586.	5.1	68
7	Removal of strontium and barium from aqueous solutions by adsorption onto expanded perlite. Canadian Journal of Chemical Engineering, 2011, 89, 1247-1254.	1.7	61
8	Evaluation of hyper-cross-linked polymers performances in the removal of hazardous heavy metal ions: A review. Separation and Purification Technology, 2021, 260, 118221.	7.9	60
9	Adsorption of cadmium (II) and nickel (II) on dolomite powder. Desalination and Water Treatment, 2015, 53, 149-157.	1.0	56
10	Hydroxide modified activated alumina as an adsorbent for CO2 adsorption: Experimental and modeling. International Journal of Greenhouse Gas Control, 2019, 88, 24-37.	4.6	54
11	Optimization of CO₂ Capture Process from Simulated Flue Gas by Dry Regenerable Alkali Metal Carbonate Based Adsorbent Using Response Surface Methodology. Energy & Fuels, 2017, 31, 5286-5296.	5.1	52
12	Synthesis of silver nanoparticles using Peganum harmala extract as a green route. Green Chemistry Letters and Reviews, 2017, 10, 420-427.	4.7	51
13	Development of Predictive Models for Activated Carbon Synthesis from Different Biomass for CO₂ Adsorption Using Artificial Neural Networks. Industrial & Engineering Chemistry Research, 2021, 60, 13950-13966.	3.7	49
14	A study of drop size distribution and mean drop size in a perforated rotating disc contactor (PRDC). Chemical Engineering Research and Design, 2015, 96, 54-62.	5.6	46
15	Mass transfer performance in pulsed disc and doughnut extraction columns. Brazilian Journal of Chemical Engineering, 2011, 28, 447-456.	1.3	45
16	Exploiting response surface methodology (RSM) as a novel approach for the optimization of carbon dioxide adsorption by dry sodium hydroxide. Journal of the Chinese Chemical Society, 2018, 65, 1465-1475.	1.4	44
17	Chemical absorption of CO₂ into an aqueous piperazine (PZ) solution: development and validation of a rigorous dynamic rate-based model. RSC Advances, 2016, 6, 40017-40032.	3.6	43
18	Exploiting response surface methodology for experimental modeling and optimization of CO2 adsorption onto NaOH-modified nanoclay montmorillonite. Journal of Environmental Chemical Engineering, 2020, 8, 103663.	6.7	43

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19	CO₂, N₂, and H₂ Adsorption by Hyper-Cross-Linked Polymers and Their Selectivity Evaluation by Gasâ€“Solid Equilibrium. Journal of Chemical & Engineering Data, 2020, 65, 4905-4913.	1.9	41
20	Modeling of CO2 loading in aqueous solutions of piperazine: Application of an enhanced artificial neural network algorithm. Journal of Natural Gas Science and Engineering, 2015, 24, 18-25.	4.4	39
21	The role of surface chemistry on CO2 adsorption in biomass-derived porous carbons by experimental results and molecular dynamics simulations. Scientific Reports, 2022, 12, .	3.3	38
22	Morphological resonances detected from a cluster of two microspheres. Optics Letters, 1994, 19, 156.	3.3	37
23	Experimental investigation of dispersed phase holdup and flooding characteristics in a multistage column extractor. Chemical Engineering Research and Design, 2016, 105, 177-187.	5.6	37
24	High Efficiency and Eco-Friendly TEPA-Functionalized Adsorbent with Enhanced Porosity for CO₂ Capture. Energy & Fuels, 2019, 33, 11465-11476.	5.1	37
25	Nonequilibrium dynamic modeling of carbon dioxide absorption by partially carbonated ammonia solutions. Chemical Engineering Journal, 2009, 149, 110-117.	12.7	36
26	Prediction of mass transfer coefficients in a pulsed disc and doughnut extraction column. Canadian Journal of Chemical Engineering, 2012, 90, 1570-1578.	1.7	36
27	Synthesis of polystyrene-based hyper-cross-linked polymers for Cd(II) ions removal from aqueous solutions: Experimental and RSM modeling. Journal of Hazardous Materials, 2021, 416, 125923.	12.4	36
28	Biomass derived hierarchical porous carbon for high-performance O₂/N₂ adsorption; a new green self-activation approach. RSC Advances, 2021, 11, 36125-36142.	3.6	33
29	Experimental Investigation of the Effect of Nano Heavy Metal Oxide Particles in Piperazine Solution on CO₂ Absorption Using a Stirrer Bubble Column. Energy & Fuels, 2018, 32, 2037-2052.	5.1	32
30	CO2 absorption into aqueous diethanolamine solution with nano heavy metal oxide particles using stirrer bubble column: Hydrodynamics and mass transfer. Journal of Environmental Chemical Engineering, 2020, 8, 104110.	6.7	32
31	Oxygen and nitrogen enriched pectin-derived micro-meso porous carbon for CO₂ uptake. RSC Advances, 2021, 12, 546-560.	3.6	32
32	CO 2 chemical absorption into aqueous solutions of piperazine: modeling of kinetics and mass transfer rate. Journal of Natural Gas Science and Engineering, 2015, 26, 1059-1067.	4.4	31
33	Hold-up and flooding characteristics in a perforated rotating disc contactor (PRDC). RSC Advances, 2015, 5, 63025-63033.	3.6	31
34	Use of axial dispersion model for determination of Sherwood number and mass transfer coefficients in a perforated rotating disc contactor. Chinese Journal of Chemical Engineering, 2017, 25, 53-61.	3.5	31
35	Piperazineâ€modified activated alumina as a novel promising candidate for CO₂ capture: experimental and modeling. , 2019, 9, 37-51.		31
36	Comparison of hydroxideâ€based adsorbents of Mg(OH)₂ and Ca(OH)₂ for CO₂ capture: utilization of response surface methodology, kinetic, and isotherm modeling. , 2020, 10, 948-964.		31

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37	Synthesis and characterization of Benzyl chloride-based hypercrosslinked polymers and its amine-modification as an adsorbent for CO2 capture. Environmental Technology and Innovation, 2021, 23, 101746.	6.1	30
38	Characterization of Ag(I), Co(II) and Cu(II) removal process from aqueous solutions using dolomite powder. Korean Journal of Chemical Engineering, 2013, 30, 172-180.	2.7	29
39	Modeling and experimental study on the solubility and mass transfer of CO₂ into aqueous DEA solution using a stirrer bubble column. RSC Advances, 2016, 6, 108075-108092.	3.6	29
40	Exploiting the performance of hyper-cross-linked polystyrene for removal of multi-component heavy metal ions from wastewaters. Journal of Environmental Chemical Engineering, 2021, 9, 105724.	6.7	27
41	Holdup, characteristic velocity and slip velocity between two phases in a multi-impeller column for high/medium/low interfacial tension systems. Chemical Engineering and Processing: Process Intensification, 2016, 100, 65-78.	3.6	26
42	Experimental study and modeling of CO 2 absorption into diethanolamine solutions using stirrer bubble column. Chemical Engineering Research and Design, 2017, 121, 32-43.	5.6	26
43	A new method for comparison thermal radiation on large-scale hydrogen and propane jet fires based on experimental and computational studies. Fuel, 2020, 282, 118864.	6.4	26
44	Piperazine impregnation on Zeolite 13X as a novel adsorbent for CO₂ capture: experimental and modeling. Chemical Engineering Communications, 2021, 208, 1104-1120.	2.6	26
45	RSM and ANN modeling of hold up, slip, and characteristic velocities in standard systems using pulsed disc-and-doughnut contactor column. Separation Science and Technology, 2021, 56, 2734-2749.	2.5	26
46	Mass transfer coefficients in a perforated rotating disc contactor (PRDC). Chemical Engineering and Processing: Process Intensification, 2016, 100, 19-25.	3.6	25
47	Unified new correlation for prediction of dispersed phase holdup in agitated extraction columns. Separation and Purification Technology, 2016, 158, 275-285.	7.9	24
48	A New simplified calculation model of geometric thermal features of a vertical propane jet fire based on experimental and computational studies. Chemical Engineering Research and Design, 2020, 135, 301-314.	5.6	24
49	Experimental investigation of CO 2 removal using Piperazine solution in a stirrer bubble column. International Journal of Greenhouse Gas Control, 2017, 63, 226-240.	4.6	23
50	CO2 Reactive Absorption into an Aqueous Blended MDEA and TMS Solution: Experimental and Modeling. International Journal of Environmental Research, 2020, 14, 347-363.	2.3	23
51	Mass transfer performance in an Oldshueâ€“Rushton column extractor. Chemical Engineering Research and Design, 2015, 100, 104-112.	5.6	22
52	Drop behavior in a pilot plant Oldshueâ€“Rushton extraction column for three various liquidâ€“liquid systems. Separation and Purification Technology, 2016, 159, 7-17.	7.9	22
53	Nanoclay montmorillonite as an adsorbent for CO₂ capture: Experimental and modeling. Journal of the Chinese Chemical Society, 2020, 67, 253-266.	1.4	22
54	Characterization of hypercrosslinked polymer adsorbent based on carbazole to achieve higher <scp>CO₂</scp> capture. Environmental Progress and Sustainable Energy, 2021, 40, e13586.	2.3	22

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55	Adsorption Equilibrium, Thermodynamic, and Kinetic Study of O₂/N₂/CO₂ on Functionalized Granular Activated Carbon. ACS Omega, 2022, 7, 18409-18426.	3.5	22
56	Removal of carbonate and oxalate pollutants in the Bayer process using thermal and chemical techniques. Hydrometallurgy, 2015, 154, 137-148.	4.3	20
57	Using maximum entropy approach for prediction of drop size distribution in a pilot plant multi-impeller extraction contactor. RSC Advances, 2015, 5, 95967-95980.	3.6	20
58	A bi-level formulation for DEA-based centralized resource allocation under efficiency constraints. Computers and Industrial Engineering, 2016, 93, 28-35.	6.3	20
59	Experimental investigation of CO2 capture using sodium hydroxide particles in a fluidized bed. Korean Journal of Chemical Engineering, 2016, 33, 1278-1285.	2.7	20
60	Analysis of deep learning neural network combined with experiments to develop predictive models for a propane vertical jet fire. Heliyon, 2020, 6, e05511.	3.2	19
61	Elimination of lead from multi-component lead-nickel-cadmium solution using hyper-cross-linked polystyrene: Experimental and RSM modeling. Journal of Environmental Chemical Engineering, 2021, 9, 106579.	6.7	19
62	Presence of activated carbon particles from waste walnut shell as a biosorbent in monoethanolamine (MEA) solution to enhance carbon dioxide absorption. Heliyon, 2022, 8, e08689.	3.2	19
63	Iron(III) octaethylporphyrin chloride supported on glassy carbon as an electrocatalyst for oxygen reduction. Journal of Electroanalytical Chemistry, 2004, 565, 115-120.	3.8	18
64	Mass transfer coeficients in pulsed perforated-plate extraction columns. Brazilian Journal of Chemical Engineering, 2010, 27, 243-251.	1.3	18
65	Experimental mass transfer coefficients in a pilot plant multistage column extractor. Chinese Journal of Chemical Engineering, 2016, 24, 989-999.	3.5	18
66	Electrolyte solution of MDEAâ€“PZâ€“TMS for CO2 absorption; response surface methodology and equilibrium modeling. Environmental Technology and Innovation, 2021, 23, 101619.	6.1	18
67	Deep learning analysis of Ar, Xe, Kr, and O2 adsorption on Activated Carbon and Zeolites using ANN approach. Chemical Engineering and Processing: Process Intensification, 2022, 170, 108662.	3.6	18
68	Efficiency increase in hypercrosslinked polymer based on polystyrene in CO2 adsorption process. Polymer Bulletin, 2022, 79, 3681-3702.	3.3	17
69	NiO and MgO/activated carbon as an efficient CO2 adsorbent: characterization, modeling, and optimization. International Journal of Environmental Science and Technology, 2022, 19, 727-746.	3.5	17
70	Reactive absorption of CO2 into Piperazine aqueous solution in a stirrer bubble column: Modeling and experimental. International Journal of Greenhouse Gas Control, 2018, 79, 91-116.	4.6	16
71	Comparison of Pb(II) Adsorption by Ground Granulated Blast-Furnace and Phosphorus Slags; Exploitation of RSM. Iranian Journal of Science and Technology, Transaction A: Science, 2021, 45, 899-911.	1.5	16
72	Rigorous correlation for CO 2 mass transfer flux in reactive absorption processes. International Journal of Greenhouse Gas Control, 2015, 42, 288-295.	4.6	15

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73	Simulation of CO 2 capture using sodium hydroxide solid sorbent in a fluidized bed reactor by a multi-layer perceptron neural network. Journal of Natural Gas Science and Engineering, 2016, 31, 305-312.	4.4	15
74	KINETICS AND ABSORPTION RATE OF CO₂INTO PARTIALLY CARBONATED AMMONIA SOLUTIONS. Chemical Engineering Communications, 2011, 198, 1169-1181.	2.6	14
75	Efficient recovery of neodymium and praseodymium from NdFeB magnet-leaching phase with and without ionic liquid as a carrier in the supported liquid membrane. Chemical Papers, 2020, 74, 4193-4201.	2.2	14
76	CO2 absorption into potassium hydroxide aqueous solution: experimental and modeling. Heat and Mass Transfer, 2022, 58, 365-381.	2.1	14
77	Green self-activating synthesis system for porous carbons: Celery biomass wastes as a typical case for CO2 uptake with kinetic, equilibrium and thermodynamic studies. Diamond and Related Materials, 2022, 127, 109204.	3.9	14
78	Equilibrium and kinetics of praseodymium and neodymium extraction from NdFeB magnet-leaching solutions with [R4N+][NO3â¯] using single drop column. Journal of Molecular Liquids, 2020, 318, 114376.	4.9	13
79	Eco-friendly CO2 adsorbent by impregnation of diethanolamine in nanoclay montmorillonite. Environmental Science and Pollution Research, 2021, 28, 55754-55770.	5.3	13
80	Piperazine-modified activated carbon as a novel adsorbent for CO2 capture: modeling and characterization. Environmental Science and Pollution Research, 2021, , 1.	5.3	13
81	Utilization of response surface methodology, kinetic and thermodynamic studies on cadmium adsorption from aqueous solution by steel slag. Journal of the Iranian Chemical Society, 2021, 18, 3031-3045.	2.2	12
82	Synthesis methods of microporous organic polymeric adsorbents: a review. Polymer Chemistry, 2021, 12, 6962-6997.	3.9	11
83	NONEQUILIBRIUM MODELING OF REACTIVE ABSORPTION PROCESSES. Chemical Engineering Communications, 2009, 196, 1076-1089.	2.6	10
84	Dynamic heat and mass transfer modeling and control in carbon dioxide reactive absorption process. Heat and Mass Transfer, 2015, 51, 1131-1140.	2.1	10
85	Mass Transfer Flux of CO 2 into Methyldiethanolamine Solution in a Reactiveâ€Absorption Process. Chemical Engineering and Technology, 2020, 43, 2083-2091.	1.5	10
86	High performance separation of gadolinium from samarium with the imidazolium ionic liquid through selective complexation of organophosphorus extractants. Environmental Technology and Innovation, 2020, 19, 100979.	6.1	10
87	Strontium hydroxide-modified nanoclay montmorillonite for CO ₂ capture: response surface methodology and adsorption mechanism. International Journal of Environmental Analytical Chemistry, 2023, 103, 5311-5336.	3.3	10
88	Experimental investigation of slip velocity and dispersed phase holdup in a KÃ¼hni extraction column. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 620-630.	1.5	10
89	Eco-Friendly Deep Eutectic Solvents Blended with Diethanolamine Solution for Postcombustion CO₂ Capture. Energy & Fuels, 2022, 36, 945-957.	5.1	10
90	Benzene-based hypercross-linked polymers as a highly efficient adsorbent for cadmium removal from aqueous solution. International Journal of Environmental Science and Technology, 2022, 19, 6315-6330.	3.5	10

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91	Experimental and RSM study of hypercrosslinked polystyrene in elimination of lead, cadmium and nickel ions in single and multi-component systems. Chemical Engineering Research and Design, 2022, 182, 410-427.	5.6	10
92	Hydrodynamic performance evaluation of a novel eductor liquidâ€“liquid extractor using CFD modeling. Chemical Engineering Research and Design, 2017, 126, 19-31.	5.6	9
93	Green imidazolium ionic liquid selectively facilitates Ce(III) ion transport through supported liquid membrane. International Journal of Environmental Analytical Chemistry, 2022, 102, 4814-4829.	3.3	9
94	Studies on effective interaction parameters in extraction of Pr and Nd using Aliquat 336 from NdFeB magnet-leaching solution: Multiple response optimizations by desirability function. Journal of Molecular Liquids, 2021, 324, 115123.	4.9	9
95	Utilizing RSM for experimental modeling of mass transfer coefficients in a perforated rotating disc contactor (PRDC). Heat and Mass Transfer, 2021, 57, 1395-1410.	2.1	9
96	Exploring of CO2 adsorption behavior by Carbazole-based hypercrosslinked polymeric adsorbent using deep learning and response surface methodology. International Journal of Environmental Science and Technology, 2022, 19, 8835-8856.	3.5	9
97	A study on mean drop size and drop size distribution in an eductor liquidâ€“liquid extractor. Separation and Purification Technology, 2018, 201, 205-213.	7.9	8
98	Green biosynthesis of silver nanoparticles with Eryngium caucasicum Trautv aqueous extract. Inorganic and Nano-Metal Chemistry, 2020, 50, 429-436.	1.6	8
99	Hydrodynamic behavior of standard liquid-liquid systems in Oldshueâ€“Rushton extraction column; RSM and ANN modeling. Chemical Engineering and Processing: Process Intensification, 2021, 168, 108559.	3.6	8
100	The effects of operating parameters on stage efficiency in an Oldshue-Rushton column. Chemical Industry and Chemical Engineering Quarterly, 2016, 22, 75-83.	0.7	8
101	An experimental correlation for mass transfer flux of CO₂ reactive absorption into aqueous MEAâ€PZ blended solution. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2250.	1.5	7
102	Cost-Effective Nanoporous Hypercross-linked Polymers Could Drastically Promote the CO₂ Absorption Rate in Amine-Based Solvents, Improving Energy-Efficient CO₂ Capture. Industrial & Engineering Chemistry Research, 2021, 60, 3105-3114.	3.7	7
103	Hydrodynamic and mass transfer parameters for CO2 absorption into amine solutions and its blend with nano heavy metal oxides using a bubble column. Separation Science and Technology, 2022, 57, 555-570.	2.5	7
104	Insights Into the Mass Transfer Mechanisms of Nanofluids: A CO₂ Absorption Study. Energy & Fuels, 2021, 35, 20172-20184.	5.1	7
105	Freezing-point-blackbody radiation sources for the 2978â€“108462 Â°C temperature range. Applied Optics, 1996, 35, 2211.	2.1	6
106	The effect of solid adsorbents in Triethanolamine (TEA) solution for enhanced CO2 absorption rate. Research on Chemical Intermediates, 2021, 47, 4349-4368.	2.7	6
107	Modeling of mass transfer coefficient using response surface methodology in a horizontal-vertical pulsed sieve-plate extraction column. Progress in Nuclear Energy, 2021, 139, 103885.	2.9	6
108	Potential of hypercrosslinked microporous polymer based on carbazole networks for Pb(II) ions removal from aqueous solutions. Environmental Science and Pollution Research, 2022, 29, 15040-15056.	5.3	6

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109	Mean drop behavior in the standard liquidâ€“liquid extraction systems on an L-shaped pulsed sieve-plate column: experiment and modeling. RSC Advances, 2022, 12, 4120-4134.	3.6	6
110	Nonequilibrium dynamic modeling of simultaneous reactive absorption of gases. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 173-179.	5.3	5
111	Numerical simulation of CO2 chemical absorption in a gas-liquid bubble column using the space-time CESE method. Journal of Environmental Chemical Engineering, 2020, 8, 104111.	6.7	5
112	Mass transfer study in eductor liquidâ€“liquid extractor: Dimensional analysis and response surface methodology modeling. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2604.	1.5	5
113	Prediction of Vapor-Liquid Equilibrium for Aqueous Solutions of Electrolytes Using Artificial Neural Networks. Journal of Applied Sciences, 2008, 8, 615-621.	0.3	5
114	A novel 3D supramolecular coordination polymer based on tetranuclear complex of lead(ii) with terephthalic acid and 8-hydroxyquinolin, [Pb4(8-Quin)4(Tp)2(DMF)2] n. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2012, 38, 646-650.	1.0	4
115	Mass transfer and thermodynamic modeling of carbon dioxide absorption into MEA aqueous solution. Polish Journal of Chemical Technology, 2017, 19, 75-82.	0.5	4
116	Experimental study on operating conditions of 2-ethylhexanol manufacturing process. Materials and Manufacturing Processes, 2018, 33, 829-834.	4.7	4
117	Response surface methodology study of dispersed phase holdup and mean droplet size in a perforated rotating disc contactors (PRDC). Separation Science and Technology, 0, , 1-13.	2.5	4
118	A comparative study of radiation models on propane jet fires based on experimental and computational studies. Heliyon, 2021, 7, e07261.	3.2	4
119	Investigation of Salt and precipitating agent effect on the specific surface area and compressive strength of alumina catalyst support. Polish Journal of Chemical Technology, 2017, 19, 35-40.	0.5	3
120	Mass transfer coefficient for PZ + CO2 + H2O system in a packed column. Heat and Mass Transfer, 2021, 57, 283-297.	2.1	3
121	Experimental investigation of uranium extraction from the industrial nuclear waste treatment plant by tri-butyl-phosphate. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 1237-1249.	1.5	3
122	Experimental modeling and uncertainty analysis of dispersed phase holdup at flooding in a pulsed disc-doughnut column, case study: Response surface methodology and Monte-Carlo simulation. Progress in Nuclear Energy, 2021, 141, 103969.	2.9	3
123	Removal of 4-nitrophenol using high performance magnetic graphene oxide nanocomposite: synthesis, characterization. Journal of Porous Materials, 2022, 29, 1853-1872.	2.6	3
124	Effect of Bubble Injection Pattern on the Bubble Size Distribution in a Gas-Solid Fluidized Bed. Flow, Turbulence and Combustion, 2017, 98, 1133-1151.	2.6	2
125	Nonequilibrium thermodynamic modeling of ternary fluid flows. International Journal of Multiphase Flow, 2019, 111, 310-314.	3.4	2
126	Non-equilibrium modeling of CO2 reactive-absorption process using sodium hydroxideâ€“ammoniaâ€“water solution in a packed bed column. Journal of the Iranian Chemical Society, 2021, 18, 2303-2314.	2.2	2

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127	Mass transfer coefficient in the eductor liquid-liquid extraction column. Chinese Journal of Chemical Engineering, 2020, 40, 27-27.	3.5	2
128	Polarization of microwave noise source radiation in the 30 GHz to 300 GHz range. Journal of Infrared, Millimeter and Terahertz Waves, 1988, 9, 1141-1151.	0.6	0
129	Preparation of a Uranium Conversion Plantâ€™s Nuclear Waste for Final Disposal by Means of Magnetically Assisted Chemical Separation. International Journal of Chemoinformatics and Chemical Engineering, 2013, 3, 8-18.	0.1	0
130	Phase field analysis of binary mixtures with partially miscible components. International Journal of Multiphase Flow, 2021, 138, 103613.	3.4	0
131	Optimization and modeling of carbon dioxide absorption into blended sulfolane and piperazine aqueous solution in a stirrer reactor. International Journal of Environmental Science and Technology, 0, , 1.	3.5	0
132	Preparation of a Uranium Conversion Plantâ€™s Nuclear Waste for Final Disposal by Means of Magnetically Assisted Chemical Separation. , 0, , 1483-1493.		0