

Zhi'en Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1722363/publications.pdf>

Version: 2024-02-01

144
papers

8,066
citations

50170

46
h-index

54797

84
g-index

154
all docs

154
docs citations

154
times ranked

7055
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal carbonization of biomass and waste: A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 211-221.	8.3	61
2	Life cycle assessment of combustion-based electricity generation technologies integrated with carbon capture and storage: A review. <i>Environmental Research</i> , 2022, 207, 112219.	3.7	45
3	Glycine-induced synthesis of vaterite by direct aqueous mineral carbonation of desulfurization gypsum. <i>Environmental Chemistry Letters</i> , 2022, 20, 2261-2269.	8.3	12
4	Biochar production with amelioration of microwave-assisted pyrolysis: Current scenario, drawbacks and perspectives. <i>Bioresource Technology</i> , 2022, 355, 127303.	4.8	50
5	Parametric study of inserting internal spiral fins on the micro combustor performance for thermophotovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 165, 112595.	8.2	23
6	Thermal management and temperature uniformity enhancement of electronic devices by micro heat sinks: A review. <i>Energy</i> , 2021, 216, 119223.	4.5	278
7	Aerobic granular sludge (AGS) scouring to mitigate membrane fouling: Performance, hydrodynamic mechanism and contribution quantification model. <i>Water Research</i> , 2021, 188, 116518.	5.3	169
8	Unprofitability of small biogas plants without subsidies in the Brandenburg region. <i>Environmental Chemistry Letters</i> , 2021, 19, 1823-1829.	8.3	20
9	A data-driven approach to anomaly detection and vulnerability dynamic analysis for large-scale integrated energy systems. <i>Energy Conversion and Management</i> , 2021, 234, 113926.	4.4	15
10	Multi-objective optimizations on thermal and hydraulic performance of symmetric and asymmetric bionic Y-shaped fractal networks by genetic algorithm coupled with CFD simulation. <i>International Communications in Heat and Mass Transfer</i> , 2021, 124, 105261.	2.9	14
11	Heat transfer enhancement and exergy efficiency improvement of a micro combustor with internal spiral fins for thermophotovoltaic systems. <i>Applied Thermal Engineering</i> , 2021, 189, 116723.	3.0	42
12	A review of carbon dioxide sequestration by mineral carbonation of industrial byproduct gypsum. <i>Journal of Cleaner Production</i> , 2021, 302, 126930.	4.6	43
13	Comparative investigation of combustion and thermal characteristics of a conventional micro combustor and micro combustor with internal straight/spiral fins for thermophotovoltaic system. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 22165-22179.	3.8	22
14	Exergoeconomic analysis and optimization of a combined cooling, heating and power system based on organic Rankine and Kalina cycles using liquified natural gas cold energy. <i>Energy Conversion and Management</i> , 2021, 238, 114148.	4.4	28
15	Enhancing membrane performance for CO ₂ capture from flue gas with ultrahigh MW polyvinylamine. <i>Journal of Membrane Science</i> , 2021, 628, 119215.	4.1	16
16	Multi-objective optimization and multi-factors analysis of the thermal/hydraulic performance of the bionic Y-shaped fractal heat sink. <i>Applied Thermal Engineering</i> , 2021, 195, 117157.	3.0	20
17	Gas, Water and Solid Waste Treatment Technology. <i>Processes</i> , 2021, 9, 1397.	1.3	1
18	Gas hydrate formation in the presence of mixed surfactants and alumina nanoparticles. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 94, 104049.	2.1	35

#	ARTICLE	IF	CITATIONS
19	CO ₂ -selective membranes containing amino acid salts for CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2021, 638, 119696.	4.1	28
20	Application of novel thermochemical methods for enhanced synthesis of alternative fuels in the period of energy transition. <i>Fuel</i> , 2021, 306, 121958.	3.4	5
21	Numerical investigation of a novel micro combustor with a central and bilateral slotted blunt body. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 23564-23579.	3.8	25
22	CO ₂ capture using membrane contactors: a systematic literature review. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 720-754.	2.3	38
23	Membranes for Gas Separation. <i>Membranes</i> , 2021, 11, 755.	1.4	6
24	Harnessing the power of machine learning for carbon capture, utilisation, and storage (CCUS) – a state-of-the-art review. <i>Energy and Environmental Science</i> , 2021, 14, 6122-6157.	15.6	98
25	Sustainable development in period of COVID-19 pandemic. <i>Journal of Cleaner Production</i> , 2021, 328, 129577.	4.6	14
26	CO ₂ capture from coalbed methane using membranes: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 79-96.	8.3	46
27	Current status of CO ₂ chemical absorption research applied to CCS: Towards full deployment at industrial scale. <i>Applied Energy</i> , 2020, 260, 114313.	5.1	215
28	Effect of porous media and its distribution on methane hydrate formation in the presence of surfactant. <i>Applied Energy</i> , 2020, 261, 114373.	5.1	58
29	Novel process for carbon capture and utilization and saline wastes valorization. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 73, 103071.	2.1	18
30	Profitability analysis of a novel configuration to synergize biogas upgrading and Power-to-Gas. <i>Energy Conversion and Management</i> , 2020, 224, 113369.	4.4	24
31	Simultaneous removal of CO ₂ and H ₂ S from coalbed methane in a membrane contactor. <i>Journal of Cleaner Production</i> , 2020, 273, 123107.	4.6	26
32	Research Progress in Gas Separation Using Hollow Fiber Membrane Contactors. <i>Membranes</i> , 2020, 10, 380.	1.4	28
33	Progress in use of surfactant in nearly static conditions in natural gas hydrate formation. <i>Frontiers in Energy</i> , 2020, 14, 463-481.	1.2	26
34	Advances in carbon capture, utilization and storage. <i>Applied Energy</i> , 2020, 278, 115627.	5.1	135
35	Kinetic Analysis of Algae Gasification by Distributed Activation Energy Model. <i>Processes</i> , 2020, 8, 927.	1.3	6
36	Stepping towards a low-carbon economy. Formic acid from biogas as case of study. <i>Applied Energy</i> , 2020, 268, 115033.	5.1	35

#	ARTICLE	IF	CITATIONS
37	A NOVEL FRACTAL MODEL FOR ESTIMATING PERMEABILITY IN LOW-PERMEABLE SANDSTONE RESERVOIRS. <i>Fractals</i> , 2020, 28, 2040005.	1.8	14
38	Status and perspective of CO ₂ absorption process. <i>Energy</i> , 2020, 205, 118057.	4.5	54
39	Recent advances in carbon dioxide utilization. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 125, 109799.	8.2	369
40	Gas Capture Processes. <i>Processes</i> , 2020, 8, 70.	1.3	2
41	Design, modeling and experiments of broadband tristable galloping piezoelectric energy harvester. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 592-605.	1.5	110
42	CO ₂ sequestration: high conversion of gypsum into CaCO ₃ by ultrasonic carbonation. <i>Environmental Chemistry Letters</i> , 2020, 18, 1369-1377.	8.3	30
43	Predicting energy output of a stochastic nonlinear dielectric elastomer generator. <i>Energy Conversion and Management</i> , 2019, 196, 1445-1452.	4.4	15
44	Understanding the effect of Ca and Mg ions from wastes in the solvent regeneration stage of a biogas upgrading unit. <i>Science of the Total Environment</i> , 2019, 691, 93-100.	3.9	23
45	A Review on Reverse Osmosis and Nanofiltration Membranes for Water Purification. <i>Polymers</i> , 2019, 11, 1252.	2.0	326
46	Numerical comparison of H ₂ /air catalytic combustion characteristic of micro-“combustors with a conventional, slotted or controllable slotted bluff body. <i>Energy</i> , 2019, 189, 116242.	4.5	48
47	The critical factors for permeability-formation factor relation in reservoir rocks: Pore-throat ratio, tortuosity and connectivity. <i>Energy</i> , 2019, 188, 116051.	4.5	92
48	Non-Monotonic Trends of Hydrogen Adsorption on Single Atom Doped g-C ₃ N ₄ . <i>Catalysts</i> , 2019, 9, 84.	1.6	19
49	Emerging Advances in Petrophysics: Porous Media Characterization and Modeling of Multiphase Flow. <i>Energies</i> , 2019, 12, 282.	1.6	7
50	Recent Advances in Flow and Transport Properties of Unconventional Reservoirs. <i>Energies</i> , 2019, 12, 1865.	1.6	11
51	Remediation of acid mine drainage. <i>Environmental Chemistry Letters</i> , 2019, 17, 1529-1538.	8.3	79
52	Design, Modeling, and Experiments of the Vortex-Induced Vibration Piezoelectric Energy Harvester with Bionic Attachments. <i>Complexity</i> , 2019, 2019, 1-13.	0.9	12
53	The Influence of Sorption Pressure on Gas Diffusion in Coal Particles: An Experimental Study. <i>Processes</i> , 2019, 7, 219.	1.3	17
54	Data-Mining for Processes in Chemistry, Materials, and Engineering. <i>Processes</i> , 2019, 7, 151.	1.3	36

#	ARTICLE	IF	CITATIONS
55	Prediction of CO ₂ absorption by physical solvents using a chemoinformatics-based machine learning model. <i>Environmental Chemistry Letters</i> , 2019, 17, 1397-1404.	8.3	42
56	Experimental studies on carbon dioxide absorption using potassium carbonate solutions with amino acid salts. <i>Separation and Purification Technology</i> , 2019, 219, 47-54.	3.9	28
57	Nanostructured Membrane Materials for CO ₂ Capture: A Critical Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3173-3179.	0.9	19
58	Biogas upgrading by cryogenic techniques. <i>Environmental Chemistry Letters</i> , 2019, 17, 1251-1261.	8.3	71
59	Carbon Mineralization by Reaction with Steel-Making Waste: A Review. <i>Processes</i> , 2019, 7, 115.	1.3	48
60	Efficiency investigation on energy harvesting from airflows in HVAC system based on galloping of isosceles triangle sectioned bluff bodies. <i>Energy</i> , 2019, 172, 1066-1078.	4.5	197
61	Multiobjective optimization for exergoeconomic analysis of an integrated cogeneration system. <i>International Journal of Energy Research</i> , 2019, 43, 1868-1881.	2.2	18
62	Decarburization characteristics of coalbed methane by membrane separation technology. <i>Fuel</i> , 2019, 242, 470-478.	3.4	22
63	Potential of tri-reforming process and membrane technology for improving ammonia production and CO ₂ reduction. <i>Science of the Total Environment</i> , 2019, 664, 567-575.	3.9	20
64	Insights into the Fouling Propensities of Natural Derived Alginate Blocks during the Microfiltration Process. <i>Processes</i> , 2019, 7, 858.	1.3	12
65	Theoretical and Experimental Insights into the Mechanism for Gas Separation through Nanochannels in 2D Lamina MXene Membranes. <i>Processes</i> , 2019, 7, 751.	1.3	23
66	Advances in Modelling of Heat and Mass Transfer in Porous Materials. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-2.	1.0	3
67	Comparing Economics, Environmental Pollution and Health Efficiency in China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4827.	1.2	14
68	Numerical Investigation on Heat-Transfer and Hydromechanical Performance Inside Contaminant-Insensitive Sublimators Under a Vacuum Environment for Spacecraft Applications. <i>Energies</i> , 2019, 12, 4562.	1.6	6
69	Estimating solubility of supercritical H ₂ S in ionic liquids through a hybrid LSSVM chemical structure model. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 620-627.	1.7	15
70	Immobilization of microbial cells for the biotreatment of wastewater: A review. <i>Environmental Chemistry Letters</i> , 2019, 17, 241-257.	8.3	222
71	Pore Network Modeling of Shale Gas Reservoirs: Gas Desorption and Slip Flow Effects. <i>Transport in Porous Media</i> , 2019, 126, 633-653.	1.2	28
72	High-performance piezoelectric wind energy harvester with Y-shaped attachments. <i>Energy Conversion and Management</i> , 2019, 181, 645-652.	4.4	388

#	ARTICLE	IF	CITATIONS
73	Editorial to the Special Issue: Modeling and Characterization of Low Permeability (Tight) and Nanoporous Reservoirs. <i>Transport in Porous Media</i> , 2019, 126, 523-525.	1.2	1
74	Fundamental investigation of an environmentally-friendly surfactant agent for chemical enhanced oil recovery. <i>Fuel</i> , 2019, 238, 186-197.	3.4	89
75	Sulfur dioxide solubility prediction in ionic liquids by a group contribution "LSSVM model. <i>Chemical Engineering Research and Design</i> , 2019, 142, 44-52.	2.7	17
76	Biomimetic dynamic membrane for aquatic dye removal. <i>Water Research</i> , 2019, 151, 243-251.	5.3	295
77	Estimation of Sandstone Permeability with SEM Images Based on Fractal Theory. <i>Transport in Porous Media</i> , 2019, 126, 701-712.	1.2	24
78	CO ₂ Capture via Nanofluids. , 2019, , 479-489.		0
79	n-Decane hydro-conversion over bi- and tri-metallic Al-HMS catalyst in a mini-reactor. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1330-1339.	1.7	11
80	Effect of Porous Media and Sodium Dodecyl Sulphate Complex System on Methane Hydrate Formation. <i>Energy & Fuels</i> , 2018, 32, 5736-5749.	2.5	48
81	Investigation on the effect of water vapor on the catalytic combustion of methane on platinum. <i>Petroleum Science and Technology</i> , 2018, 36, 494-499.	0.7	2
82	A realistic and integrated model for evaluating oil sands development with Steam Assisted Gravity Drainage technology in Canada. <i>Applied Energy</i> , 2018, 213, 76-91.	5.1	169
83	Carbon Dioxide Absorption from Biogas by Amino Acid Salt Promoted Potassium Carbonate Solutions in a Hollow Fiber Membrane Contactor: A Numerical Study. <i>Energy & Fuels</i> , 2018, 32, 3637-3646.	2.5	30
84	CO ₂ Capture Using Hollow Fiber Membranes: A Review of Membrane Wetting. <i>Energy & Fuels</i> , 2018, 32, 963-978.	2.5	101
85	Prediction of solubility of N-alkanes in supercritical CO ₂ using RBF-ANN and MLP-ANN. <i>Journal of CO₂ Utilization</i> , 2018, 25, 108-119.	3.3	108
86	Evolution of the spatiotemporal pattern of PM _{2.5} concentrations in China " A case study from the Beijing-Tianjin-Hebei region. <i>Atmospheric Environment</i> , 2018, 183, 225-233.	1.9	188
87	Numerical investigation on combustion characteristics of methane/air in a micro-combustor with a regular triangular pyramid-bluff body. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7581-7590.	3.8	56
88	Progress in enhancement of CO ₂ absorption by nanofluids: A mini review of mechanisms and current status. <i>Renewable Energy</i> , 2018, 118, 527-535.	4.3	252
89	Methane combustion reactivity during the metal-metallic oxide transformation of Pd-Pt catalysts: Effect of oxygen pressure. <i>Applied Surface Science</i> , 2018, 435, 776-785.	3.1	17
90	Modeling of a CO ₂ -piperazine-membrane absorption system. <i>Chemical Engineering Research and Design</i> , 2018, 131, 375-384.	2.7	88

#	ARTICLE	IF	CITATIONS
91	Optimization of RDM-UF for alfalfa wastewater treatment using RSM. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1439-1447.	2.7	12
92	A robust predictive tool for estimating CO ₂ solubility in potassium based amino acid salt solutions. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 740-746.	1.7	40
93	Membrane fouling mechanism of biofilm-membrane bioreactor (BF-MBR): Pore blocking model and membrane cleaning. <i>Bioresource Technology</i> , 2018, 250, 398-405.	4.8	82
94	Analysis of Deformation and Equivalent Stress during Biomass Material Compression Molding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 307, 012032.	0.3	1
95	A BRIEF REVIEW OF ENHANCED CO ₂ ABSORPTION BY NANOPARTICLES. <i>International Journal of Energy for A Clean Environment</i> , 2018, 19, 201-215.	0.6	8
96	PREFACE: ENERGY ISSUES IN CARBON CAPTURE. <i>International Journal of Energy for A Clean Environment</i> , 2018, 19, v-vii.	0.6	1
97	Broadening Band of Wind Speed for Aeroelastic Energy Scavenging of a Cylinder through Buffeting in the Wakes of a Squared Prism. <i>Shock and Vibration</i> , 2018, 2018, 1-14.	0.3	7
98	Natural gas hydrate formation dynamics in a diesel water-in-oil emulsion system. <i>Petroleum Science and Technology</i> , 2018, 36, 1649-1656.	0.7	10
99	Effectiveness of amino acid salt solutions in capturing CO ₂ : A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 98, 179-188.	8.2	167
100	A review on agro-industrial waste (AIW) derived adsorbents for water and wastewater treatment. <i>Journal of Environmental Management</i> , 2018, 227, 395-405.	3.8	292
101	Energy harvesting from flow-induced vibration: a lumped parameter model. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2903-2913.	1.2	42
102	ANFIS based evolutionary concept for estimating nucleate pool boiling heat transfer of refrigerant-ester oil containing nanoparticles. <i>International Journal of Refrigeration</i> , 2018, 96, 38-49.	1.8	13
103	Performance Analysis of a Novel Cascade Absorption Refrigeration for Low-Grade Waste Heat Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8350-8363.	3.2	45
104	Remediation of lime-free roasting chromite ore processing residue (COPR) by water leaching and pyrolysis process. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 1417-1425.	1.2	7
105	A new chemical structure-based model to estimate solid compound solubility in supercritical CO ₂ . <i>Journal of CO₂ Utilization</i> , 2018, 26, 262-270.	3.3	24
106	Mining the intrinsic trends of CO ₂ solubility in blended solutions. <i>Journal of CO₂ Utilization</i> , 2018, 26, 496-502.	3.3	55
107	Effect of silica sand size and saturation on methane hydrate formation in the presence of SDS. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 56, 266-280.	2.1	69
108	High-efficiency nutrients reclamation from landfill leachate by microalgae <i>Chlorella vulgaris</i> in membrane photobioreactor for bio-lipid production. <i>Bioresource Technology</i> , 2018, 266, 374-381.	4.8	102

#	ARTICLE	IF	CITATIONS
109	Efficient study of a coarse structure number on the bluff body during the harvesting of wind energy. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1788-1797.	1.2	36
110	Analysis of Spontaneous Imbibition in Carbon Nanotube. , 2018, , 793-798.		0
111	Zeolites Nanocomposite Membrane Applications in CO2 Capture. , 2018, , 916-921.		4
112	Modeling of capillary-driven flow in nanoporous media. , 2018, , 139-151.		0
113	Machine learning predictive framework for CO2 thermodynamic properties in solution. Journal of CO2 Utilization, 2018, 26, 152-159.	3.3	54
114	Functional Group Effects on the HOMOâ€“LUMO Gap of g-C3N4. Nanomaterials, 2018, 8, 589.	1.9	42
115	Thermodynamic and Economic Analysis Between Organic Rankine Cycle and Kalina Cycle for Waste Heat Recovery From Steam-Assisted Gravity Drainage Process in Oilfield. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	1.4	21
116	AN INTRODUCTION TO FRACTAL-BASED APPROACHES IN UNCONVENTIONAL RESERVOIRS â€” PART I. Fractals, 2018, 26, 1802001.	1.8	18
117	A comprehensive investigation on performance of oil and gas development in Nigeria: Technical and non-technical analyses. Energy, 2018, 158, 666-680.	4.5	78
118	2.29 Desulfurization Materials. , 2018, , 944-979.		18
119	Carbon Capture. , 2018, , 997-1016.		21
120	Effect of flow and module configuration on SO2 absorption by using membrane contactors. Global Nest Journal, 2018, 19, 716-725.	0.3	3
121	A quantitative oil and gas reservoir evaluation system for development. Journal of Natural Gas Science and Engineering, 2017, 42, 31-39.	2.1	123
122	Hybrid systems: Combining membrane and absorption technologies leads to more efficient acid gases (CO2 and H2S) removal from natural gas. Journal of CO2 Utilization, 2017, 18, 362-369.	3.3	125
123	Thermodynamic analysis of KCS/ORC integrated power generation system with LNG cold energy exploitation and CO2 capture. Journal of Natural Gas Science and Engineering, 2017, 46, 188-198.	2.1	46
124	Application of Artificial Neural Networks for Catalysis: A Review. Catalysts, 2017, 7, 306.	1.6	167
125	Predictive Power of Machine Learning for Optimizing Solar Water Heater Performance: The Potential Application of High-Throughput Screening. International Journal of Photoenergy, 2017, 2017, 1-10.	1.4	49
126	Mechanical Properties of High-Nb X80 Steel Weld Pipes for the Second West-to-East Gas Transmission Pipeline Project. Advances in Materials Science and Engineering, 2017, 2017, 1-13.	1.0	5

#	ARTICLE	IF	CITATIONS
127	Comparisons of various absorbent effects on carbon dioxide capture in membrane gas absorption (MGA) process. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 589-595.	2.1	77
128	Threshold flux and limiting flux for micellar enhanced ultrafiltration as affected by feed water: experimental and modeling studies. <i>Journal of Cleaner Production</i> , 2016, 112, 1241-1251.	4.6	30
129	Virtual special issue: Sour gas reservoirs and sulfur-removal technologies. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 1506-1507.	2.1	3
130	Analysis of CO ₂ Capture From Power-Plant Flue Gas Using the Membrane Gas Absorption (MGA) Method. , 2015, , .		0
131	Numerical investigation of the effects of polypropylene hollow fibre membrane structure on the performance of CO ₂ removal from flue gas. <i>RSC Advances</i> , 2015, 5, 424-433.	1.7	7
132	Investigation of autothermal reforming of methane for hydrogen production in a spiral multi-cylinder micro-reactor used for mobile fuel cell. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1886-1893.	3.8	46
133	Publication trends in natural gas research (2013â€“2014). <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1265-1269.	2.1	0
134	Influence of the Membrane Module Geometry on SO ₂ Removal: A Numerical Study. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11619-11627.	1.8	21
135	Modeling of CO ₂ Separation from Flue Gas by Methyl-diethanolamine and 2-(1-Piperazinyl)-Ethylamine in Membrane Contactors: Effect of Gas and Liquid Parameters. <i>Journal of Energy Engineering - ASCE</i> , 2015, 141, .	1.0	9
136	Numerical Simulation and Analysis of CO ₂ Removal in a Polypropylene Hollow Fiber Membrane Contactor. <i>International Journal of Chemical Engineering</i> , 2014, 2014, 1-7.	1.4	10
137	Energy Harvester Based on the Synchronization Phenomenon of a Circular Cylinder. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-9.	0.6	6
138	Theoretical Study on CO ₂ Absorption from Biogas by Membrane Contactors: Effect of Operating Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14075-14083.	1.8	63
139	Dynamic Modeling of Biogas Upgrading in Hollow Fiber Membrane Contactors. <i>Energy & Fuels</i> , 2014, 28, 5745-5755.	2.5	47
140	Investigation of CO ₂ absorption in methyl-diethanolamine and 2-(1-piperazinyl)-ethylamine using hollow fiber membrane contactors: Part C. Effect of operating variables. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 20, 58-66.	2.1	29
141	CFD investigation of CO ₂ capture by methyl-diethanolamine and 2-(1-piperazinyl)-ethylamine in membranes: Part B. Effect of membrane properties. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 19, 311-316.	2.1	65
142	Control of postharvest grey mould decay of nectarine by tea polyphenol combined with tea saponin. <i>Letters in Applied Microbiology</i> , 2013, 57, 502-509.	1.0	11
143	Viscous flow and diffusion of liquids in microporous glasses. <i>Physical Review B</i> , 1992, 46, 10701-10705.	1.1	28
144	Use of half-cylinder obstacle for enhancing aeroelastic energy harvesting. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-15.	1.2	0