

# Alireza Bahadori

## List of Publications by Year in descending order

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Version: 2024-02-01

201  
papers

6,772  
citations

57631

44  
h-index

85405

71  
g-index

209  
all docs

209  
docs citations

209  
times ranked

5615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of water quality index (WQI) using support vector machine (SVM) and least square-support vector machine (LS-SVM). International Journal of River Basin Management, 2021, 19, 149-156.	1.5	109
2	Crustal Strain Patterns Associated With Normal, Drought, and Heavy Precipitation Years in California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB019560.	1.4	6
3	Repeating Nontectonic Seasonal Stress Changes and a Possible Triggering Mechanism of the 2019 Ridgecrest Earthquake Sequence in California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022188.	1.4	3
4	Tectonic influence on Cenozoic mammal richness and sedimentation history of the Basin and Range, western North America. Science Advances, 2021, 7, eab4470.	4.7	4
5	Evaluate the Performance of Fenton Process for the Removal of Methylene Blue from Aqueous Solution: Experimental, Neural Network Modeling and Optimization. Environmental Progress and Sustainable Energy, 2020, 39, .	1.3	23
6	Intelligent prediction of aliphatic and aromatic hydrocarbons in Caspian Sea sediment using a neural network based on particle swarm optimization. Petroleum Science and Technology, 2019, 37, 2364-2373.	0.7	5
7	Prediction of formation of polycyclic aromatic hydrocarbon (PAHs) on sediment of Caspian Sea using artificial neural networks. Petroleum Science and Technology, 2019, 37, 1987-2000.	0.7	16
8	Optimization study on the CO <sub>2</sub> and H <sub>2</sub> S removal in natural gas using primary, secondary, tertiary and mixed amine. AIP Conference Proceedings, 2019, . .	0.3	4
9	Modeling and analysis of hydrogen production in steam methane reforming (SMR) process. Petroleum Science and Technology, 2019, 37, 1425-1435.	0.7	5
10	Development of ANFIS models for polycyclic aromatic hydrocarbons (PAHs) formation in sea sediment. Petroleum Science and Technology, 2019, 37, 679-686.	0.7	12
11	Geodynamic evolution of southwestern North America since the Late Eocene. Nature Communications, 2019, 10, 5213.	5.8	33
12	Toward an intelligent approach for predicting surface tension of binary mixtures containing ionic liquids. Korean Journal of Chemical Engineering, 2018, 35, 1556-1569.	1.2	18
13	Prediction of accelerator operation using machine learning. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 656-657.	0.8	5
14	Prediction of solubility of ammonia in liquid electrolytes using Least Square Support Vector Machines. Ain Shams Engineering Journal, 2018, 9, 1303-1312.	3.5	36
15	An accurate model to predict drilling fluid density at wellbore conditions. Egyptian Journal of Petroleum, 2018, 27, 1-10.	1.2	34
16	Accurate estimation of CO <sub>2</sub> adsorption on activated carbon with multi-layer feed-forward neural network (MLFNN) algorithm. Egyptian Journal of Petroleum, 2018, 27, 65-73.	1.2	46
17	Accurate model based on artificial intelligence for prediction of carbon dioxide solubility in aqueous tetraethylammonium bromide solutions. Journal of Chemometrics, 2018, 32, e2956.	0.7	4
18	Feasibility study of environmental relative humidity through the thermodynamic effects on the performance of natural gas liquefaction process. Applied Thermal Engineering, 2018, 128, 51-63.	3.0	28

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19	Reconstruction modeling of crustal thickness and paleotopography of western North America since 36 Ma. , 2018, 14, 1207-1231.		27
20	Prediction of equilibrium water dew point of natural gas in TEG dehydration systems using Bayesian Feedforward Artificial Neural Network (FANN). Petroleum Science and Technology, 2018, 36, 1620-1626.	0.7	7
21	Investigation of effects of phosphor particles on optimal design of surface-mount device light-emitting diode packaging using ray-tracing simulation. IET Optoelectronics, 2018, 12, 86-93.	1.8	1
22	A least-squares support vector machine approach to predict temperature drop accompanying a given pressure drop for the natural gas production and processing systems. International Journal of Ambient Energy, 2017, 38, 122-129.	1.4	23
23	Accurate prediction of CO <sub>2</sub> solubility in eutectic mixture of levulinic acid (or furfuryl alcohol) and choline chloride. International Journal of Greenhouse Gas Control, 2017, 58, 212-222.	2.3	20
24	Improving water quality index prediction in Perak River basin Malaysia through a combination of multiple neural networks. International Journal of River Basin Management, 2017, 15, 79-87.	1.5	37
25	Prediction of CO <sub>2</sub> loading capacities of aqueous solutions of absorbents using different computational schemes. International Journal of Greenhouse Gas Control, 2017, 57, 143-161.	2.3	74
26	A neural network-based local rainfall prediction system using meteorological data on the Internet: A case study using data from the Japan Meteorological Agency. Applied Soft Computing Journal, 2017, 56, 317-330.	4.1	102
27	An accurate model to predict viscosity of heavy oils. Petroleum Science and Technology, 2017, 35, 371-376.	0.7	0
28	Toward genetic programming (GP) approach for estimation of hydrocarbon/water interfacial tension. Journal of Molecular Liquids, 2017, 230, 175-189.	2.3	54
29	Prediction of hydrate equilibrium conditions using k-nearest neighbor algorithm to CO <sub>2</sub> capture. Petroleum Science and Technology, 2017, 35, 1070-1077.	0.7	9
30	A new decision tree based algorithm for prediction of hydrogen sulfide solubility in various ionic liquids. Journal of Molecular Liquids, 2017, 242, 701-713.	2.3	24
31	Accurate estimation of formation permeability by means of petrophysical logs. Petroleum Science and Technology, 2017, 35, 718-725.	0.7	3
32	On the estimation of viscosities and densities of CO <sub>2</sub> -loaded MDEA, MDEA + AMP, MDEA + DIPA, MDEA + MEA, and MDEA + DEA aqueous solutions. Journal of Molecular Liquids, 2017, 242, 146-159.	2.3	38
33	Prediction of H <sub>2</sub> S Solubility in Liquid Electrolytes by Multilayer Perceptron and Radial Basis Function Neural Networks. Chemical Engineering and Technology, 2017, 40, 367-375.	0.9	10
34	Decline curve based models for predicting natural gas well performance. Petroleum, 2017, 3, 242-248.	1.3	29
35	Investigation of effects of silica particles on light extraction efficiency of light-emitting diode packaging using ray-tracing simulation. , 2017, , .		0
36	Implementing radial basis function neural network for prediction of surfactant retention in petroleum production and processing industries. Petroleum Science and Technology, 2016, 34, 992-999.	0.7	12

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37	Estimation of the silica solubility in the superheated steam using <scp>LSSVM</scp> modeling approach. Environmental Progress and Sustainable Energy, 2016, 35, 596-602.	1.3	13
38	A model for estimation of permeability and free flowing porosity. Petroleum Science and Technology, 2016, 34, 1872-1879.	0.7	4
39	Prediction of the viscosity of water-in-oil emulsions. Petroleum Science and Technology, 2016, 34, 1972-1977.	0.7	9
40	A simple approach for screening enhanced oil recovery methods: Application of artificial intelligence. Petroleum Science and Technology, 2016, 34, 1887-1893.	0.7	15
41	Prediction of heavy oil viscosity using a radial basis function neural network. Petroleum Science and Technology, 2016, 34, 1742-1748.	0.7	10
42	Prediction of hydrate formation temperature based on an improved empirical correlation by imperialist competitive algorithm. Petroleum Science and Technology, 2016, 34, 162-169.	0.7	3
43	Computational intelligent strategies to predict energy conservation benefits in excess air controlled gas-fired systems. Applied Thermal Engineering, 2016, 102, 432-446.	3.0	40
44	Estimation of water content of natural gases using particle swarm optimization method. Petroleum Science and Technology, 2016, 34, 595-600.	0.7	5
45	Modelling of gas to hydrate conversion for promoting CO <sub>2</sub> capture processes in the oil and gas industry. Petroleum Science and Technology, 2016, 34, 642-651.	0.7	15
46	Enhanced recovery of PGME and PGMEA from waste photoresistor thinners by heterogeneous azeotropic dividing-wall column. Chemical Engineering Research and Design, 2016, 103, 413-423.	2.7	31
47	Novel retrofit designs using a modified coordinate descent methodology for improving energy efficiency of natural gas liquid fractionation process. Journal of Natural Gas Science and Engineering, 2016, 33, 458-468.	2.1	27
48	Prediction of CO <sub>2</sub> oil molecular diffusion using adaptive neuro-fuzzy inference system and particle swarm optimization technique. Fuel, 2016, 181, 178-187.	3.4	36
49	A new empirical correlation for prediction of carbon dioxide separation from different gas mixtures. Petroleum Science and Technology, 2016, 34, 562-569.	0.7	1
50	Modelling of CO <sub>2</sub> separation from gas streams emissions in the oil and gas industries. Petroleum Science and Technology, 2016, 34, 1291-1299.	0.7	8
51	Estimation of oil and gas properties in petroleum production and processing operations using rigorous model. Petroleum Science and Technology, 2016, 34, 1129-1136.	0.7	15
52	Phase equilibrium modelling of natural gas hydrate formation conditions using LSSVM approach. Petroleum Science and Technology, 2016, 34, 1431-1438.	0.7	42
53	Experimental investigation the effect of nanoparticles on micellization behavior of a surfactant: Application to EOR. Petroleum Science and Technology, 2016, 34, 1055-1061.	0.7	23
54	Evaluation of the ability of the hydrophobic nanoparticles of SiO <sub>2</sub> in the EOR process through carbonate rock samples. Petroleum Science and Technology, 2016, 34, 1048-1054.	0.7	28

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55	Multi-objective optimization of a cascade refrigeration system: Exergetic, economic, environmental, and inherent safety analysis. <i>Applied Thermal Engineering</i> , 2016, 107, 804-817.	3.0	78
56	Determination of efficient surfactants in the oil and gas production units using the SVM approach. <i>Petroleum Science and Technology</i> , 2016, 34, 1691-1697.	0.7	9
57	Prediction of physical properties of hydrocarbon compounds using empirical correlations. <i>Petroleum Science and Technology</i> , 2016, 34, 1631-1635.	0.7	2
58	Prediction of water removal rate in a natural gas dehydration system using radial basis function neural network. <i>Petroleum Science and Technology</i> , 2016, 34, 951-960.	0.7	13
59	Modeling of true vapor pressure of petroleum products using ANFIS algorithm. <i>Petroleum Science and Technology</i> , 2016, 34, 933-939.	0.7	40
60	Estimation of natural gases water content using adaptive neuro-fuzzy inference system. <i>Petroleum Science and Technology</i> , 2016, 34, 891-897.	0.7	37
61	Prediction of carbon dioxide separation from gas mixtures in petroleum industries using the Levenberg-Marquardt algorithm. <i>Petroleum Science and Technology</i> , 2016, 34, 703-711.	0.7	5
62	Optimization of modified single mixed refrigerant process of natural gas liquefaction using multivariate Coggins algorithm combined with process knowledge. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 731-741.	2.1	24
63	Prediction performance of natural gas dehydration units for water removal efficiency using a least-square support vector machine. <i>International Journal of Ambient Energy</i> , 2016, 37, 486-494.	1.4	21
64	Estimation of air dew point temperature using computational intelligence schemes. <i>Applied Thermal Engineering</i> , 2016, 93, 1043-1052.	3.0	114
65	Prediction of carbon dioxide solubility in ionic liquids using MLP and radial basis function (RBF) neural networks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 151-164.	2.7	58
66	On the determination of breakthrough time for water coning phenomenon in oil reservoirs. <i>Petroleum Science and Technology</i> , 2016, 34, 44-49.	0.7	5
67	Prediction of carbon dioxide solubility in aqueous mixture of methyldiethanolamine and N-methylpyrrolidone using intelligent models. <i>International Journal of Greenhouse Gas Control</i> , 2016, 47, 122-136.	2.3	55
68	Liquid-liquid equilibrium data and correlation for quaternary systems of acetic acid + water + methyl acetate + p-xylene at 313.2 K. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 369-375.	2.9	14
69	Optimization of surface-mount-device light-emitting diode packaging: investigation of effects of component optical properties on light extraction efficiency. <i>Optical Engineering</i> , 2016, 55, 025101.	0.5	3
70	Prediction of hydrate formation conditions to separate carbon dioxide from fuel gas mixture in the presence of various promoters. <i>Petroleum Science and Technology</i> , 2016, 34, 153-161.	0.7	7
71	Prediction of absorption and stripping factors in natural gas processing industries using feedforward artificial neural network. <i>Petroleum Science and Technology</i> , 2016, 34, 105-113.	0.7	3
72	Application of a radial basis function neural network to estimate pressure gradient in water-oil pipelines. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 58, 189-202.	2.7	62

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73	Prediction of supercritical CO <sub>2</sub> /brine relative permeability in sedimentary basins during carbon dioxide sequestration. , 2015, 5, 756-771.		14
74	Design of an Extractive Distillation Column for the Environmentally Benign Separation of Zirconium and Hafnium Tetrachloride for Nuclear Power Reactor Applications. Energies, 2015, 8, 10354-10369.	1.6	6
75	Perspectives for the production of ethanol from lignocellulosic feedstock – A case study. Journal of Cleaner Production, 2015, 95, 184-193.	4.6	44
76	A novel modeling approach to optimize oxygen–steam ratios in coal gasification process. Fuel, 2015, 153, 1-5.	3.4	55
77	On the determination of crude oil salt content: Application of robust modeling approaches. Journal of the Taiwan Institute of Chemical Engineers, 2015, 55, 27-35.	2.7	12
78	Prediction of reservoir brine properties using radial basis function (RBF) neural network. Petroleum, 2015, 1, 349-357.	1.3	29
79	New tools predict monoethylene glycol injection rate for natural gas hydrate inhibition. Journal of Loss Prevention in the Process Industries, 2015, 33, 222-231.	1.7	48
80	Vapor liquid equilibrium prediction of carbon dioxide and hydrocarbon systems using LSSVM algorithm. Journal of Supercritical Fluids, 2015, 97, 256-267.	1.6	39
81	Risk-based optimization for representative natural gas liquid (NGL) recovery processes by considering uncertainty from the plant inlet. Journal of Natural Gas Science and Engineering, 2015, 27, 42-54.	2.1	20
82	Techno-economic evaluation of a novel NGL recovery scheme with nine patented schemes for offshore applications. Journal of Natural Gas Science and Engineering, 2015, 27, 2-17.	2.1	41
83	Prediction of the properties of brines using least squares support vector machine (LS-SVM) computational strategy. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 123-130.	2.7	35
84	A computational intelligence scheme for prediction of interfacial tension between pure hydrocarbons and water. Chemical Engineering Research and Design, 2015, 95, 79-92.	2.7	16
85	Prediction of a solid desiccant dehydrator performance using least squares support vector machines algorithm. Journal of the Taiwan Institute of Chemical Engineers, 2015, 50, 115-122.	2.7	33
86	A LSSVM approach for determining well placement and conning phenomena in horizontal wells. Fuel, 2015, 153, 276-283.	3.4	96
87	Regressive approach for predicting bearing capacity of bored piles from cone penetration test data. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 584-592.	3.7	47
88	Prediction of the binary surface tension of mixtures containing ionic liquids using Support Vector Machine algorithms. Journal of Molecular Liquids, 2015, 211, 534-552.	2.3	51
89	Determination of oil well production performance using artificial neural network (ANN) linked to the particle swarm optimization (PSO) tool. Petroleum, 2015, 1, 118-132.	1.3	111
90	Sequential coordinate random search for optimal operation of LNG (liquefied natural gas) plant. Energy, 2015, 89, 757-767.	4.5	34

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91	Optimal design of advanced distillation configuration for enhanced energy efficiency of waste solvent recovery process in semiconductor industry. <i>Energy Conversion and Management</i> , 2015, 102, 92-103.	4.4	28
92	Development of soft computing methods to predict moisture content of natural gases. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 55, 36-41.	2.7	17
93	Carbon dioxide compressibility factor determination using a robust intelligent method. <i>Journal of Supercritical Fluids</i> , 2015, 101, 140-149.	1.6	13
94	Linear perturbation analysis of density change caused by dissolution of carbon dioxide in saline aqueous phase. <i>Journal of Molecular Liquids</i> , 2015, 209, 539-548.	2.3	4
95	Evolving a robust modeling tool for prediction of natural gas hydrate formation conditions. <i>Journal of Unconventional Oil and Gas Resources</i> , 2015, 12, 45-55.	3.5	33
96	A comparative study of CO <sub>2</sub> utilization in methanol synthesis with various syngas production technologies. <i>Journal of CO<sub>2</sub> Utilization</i> , 2015, 12, 62-76.	3.3	101
97	Prediction of carbon dioxide dissolution in bulk water under isothermal pressure decay at different boundary conditions. <i>Journal of Molecular Liquids</i> , 2015, 202, 23-33.	2.3	21
98	Prediction of methanol loss in liquid hydrocarbon phase during natural gas hydrate inhibition using rigorous models. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 33, 1-9.	1.7	21
99	Rigorous models to optimise stripping gas rate in natural gas dehydration units. <i>Fuel</i> , 2015, 140, 421-428.	3.4	57
100	The Miocene Gachsaran Formation evaporite cap rock, Zeloi oilfield, SW Iran. <i>Carbonates and Evaporites</i> , 2015, 30, 287-306.	0.4	8
101	A rigorous model to predict the amount of Dissolved Calcium Carbonate Concentration throughout oil field brines: Side effect of pressure and temperature. <i>Fuel</i> , 2015, 139, 154-159.	3.4	88
102	Prediction of solubility of carbon dioxide in different polymers using support vector machine algorithm. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 46, 205-213.	2.7	26
103	A new experimental method to prevent paraffin - wax formation on the crude oil wells: A field case study in Libya. <i>Hemijaska Industrija</i> , 2015, 69, 269-274.	0.3	6
104	A new method estimates TEG purity versus reconcentrator temperature at different levels of pressure in gas dehydration systems. <i>International Journal of Oil, Gas and Coal Technology</i> , 2014, 7, 85.	0.1	5
105	Estimation of the depth of frost penetration in both uniform and layered soils in frost-affected regions. <i>International Journal of Pavement Engineering</i> , 2014, 15, 599-605.	2.2	1
106	A novel method to estimate the specific gravity and refractive index of seawater. <i>Desalination and Water Treatment</i> , 2014, 52, 3012-3018.	1.0	3
107	Ozone Pollution Prediction around Industrial Areas Using Fuzzy Neural Network Approach. <i>Clean - Soil, Air, Water</i> , 2014, 42, 871-879.	0.7	5
108	Prediction of natural gas flow through chokes using support vector machine algorithm. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 18, 155-163.	2.1	62



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109	Rigorous modeling for prediction of barium sulfate (barite) deposition in oilfield brines. <i>Fluid Phase Equilibria</i> , 2014, 366, 117-126.	1.4	42
110	Estimation of breakthrough time for water coning in fractured systems: Experimental study and connectionist modeling. <i>AIChE Journal</i> , 2014, 60, 1905-1919.	1.8	48
111	Estimation of triethylene glycol (TEG) purity in natural gas dehydration units using fuzzy neural network. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 17, 26-32.	2.1	51
112	Prediction of phase equilibrium of CO <sub>2</sub> /cyclic compound binary mixtures using a rigorous modeling approach. <i>Journal of Supercritical Fluids</i> , 2014, 90, 110-125.	1.6	34
113	Prediction of the aqueous solubility of BaSO <sub>4</sub> using pitzer ion interaction model and LSSVM algorithm. <i>Fluid Phase Equilibria</i> , 2014, 374, 48-62.	1.4	56
114	Strategies for the consolidation of biologically mediated events in the conversion of pre-treated lignocellulose into ethanol. <i>RSC Advances</i> , 2014, 4, 3392-3412.	1.7	17
115	Estimation of the water content of natural gas dried by solid calcium chloride dehydrator units. <i>Fuel</i> , 2014, 117, 33-42.	3.4	53
116	Pollution Control in Oil, Gas and Chemical Plants. , 2014, , .		5
117	Prediction of Air Specific Heat Ratios at Elevated Pressures Using a Novel Modeling Approach. <i>Chemical Engineering and Technology</i> , 2014, 37, 2047-2055.	0.9	50
118	ESTIMATION OF CONFIGURATION FACTOR FOR RADIATION FROM A RECTANGLE TO A PARALLEL SMALL ELEMENT OF SURFACE LYING ON THE PERPENDICULAR TO A CORNER OF THE RADIATOR. <i>Chemical Engineering Communications</i> , 2014, 201, 287-299.	1.5	0
119	Connectionist Model to Estimate Performance of Steam-Assisted Gravity Drainage in Fractured and Unfractured Petroleum Reservoirs: Enhanced Oil Recovery Implications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 1645-1662.	1.8	27
120	Estimation of the effect of biomass moisture content on the direct combustion of sugarcane bagasse in boilers. <i>International Journal of Sustainable Energy</i> , 2014, 33, 349-356.	1.3	13
121	Integration of LSSVM technique with PSO to determine asphaltene deposition. <i>Journal of Petroleum Science and Engineering</i> , 2014, 124, 243-253.	2.1	59
122	A computational intelligence scheme for prediction equilibrium water dew point of natural gas in TEG dehydration systems. <i>Fuel</i> , 2014, 137, 145-154.	3.4	73
123	Prediction of Methane Uptake on Different Adsorbents in Adsorbed Natural Gas Technology Using a Rigorous Model. <i>Energy &amp; Fuels</i> , 2014, 28, 6299-6314.	2.5	27
124	Recovery Rate of Vapor Extraction in Heavy Oil Reservoirs—Experimental, Statistical, and Modeling Studies. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 16091-16106.	1.8	17
125	Asphaltene precipitation and deposition in oil reservoirs — Technical aspects, experimental and hybrid neural network predictive tools. <i>Chemical Engineering Research and Design</i> , 2014, 92, 857-875.	2.7	146
126	Determination of the equilibrated calcium carbonate (calcite) scaling in aqueous phase using a reliable approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1307-1313.	2.7	31



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127	Assessing the Dynamic Viscosity of Na <sup>+</sup> K <sup>+</sup> Ca <sup>+</sup> Cl <sup>-</sup> H <sub>2</sub> O Aqueous Solutions at High-Pressure and High-Temperature Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 11488-11500.	1.8	58
128	Application of soft computing approaches for modeling saturation pressure of reservoir oils. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 20, 8-15.	2.1	66
129	A dual approach for modelling and optimisation of industrial urea reactor: Smart technique and grey box model. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 469-485.	0.9	22
130	Estimation of detention time and effluent concentration in treatment process reactors. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 223-228.	1.3	0
131	Estimation of potential barium sulfate (barite) precipitation in oilfield brines using a simple predictive tool. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 860-865.	1.3	15
132	Simple method estimates the variation of oil production rate with oil-water viscosity ratio and water injection rate. <i>International Journal of Oil, Gas and Coal Technology</i> , 2013, 6, 477.	0.1	1
133	Global strategies and potentials to curb CO <sub>2</sub> emissions in cement industry. <i>Journal of Cleaner Production</i> , 2013, 51, 142-161.	4.6	960
134	Implementing Radial Basis Function Networks for modeling CO <sub>2</sub> -reservoir oil minimum miscibility pressure. <i>Journal of Natural Gas Science and Engineering</i> , 2013, 15, 82-92.	2.1	137
135	Droplets evolution during ex situ dissolution technique for geological CO <sub>2</sub> sequestration: Experimental and mathematical modelling. <i>International Journal of Greenhouse Gas Control</i> , 2013, 13, 201-214.	2.3	19
136	Novel methods predict equilibrium vapor methanol content during gas hydrate inhibition. <i>Journal of Natural Gas Science and Engineering</i> , 2013, 15, 69-75.	2.1	59
137	Chemical engineering with focus on environmental impact and energy resources. <i>Open Engineering</i> , 2013, 3, .	0.7	0
138	Practical and Economic Aspects of the Ex-Situ Process: Implications for CO <sub>2</sub> Sequestration. <i>Energy &amp; Fuels</i> , 2013, 27, 401-413.	2.5	35
139	A Review on the Drawbacks of Renewable Energy as a Promising Energy Source of the Future. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 317-328.	1.1	80
140	Estimation of air concentration in dissolved air flotation (DAF) systems using a simple predictive tool. <i>Chemical Engineering Research and Design</i> , 2013, 91, 184-190.	2.7	21
141	Electricity demand estimation using an adaptive neuro-fuzzy network: A case study from the Ontario province - Canada. <i>Energy</i> , 2013, 49, 323-328.	4.5	91
142	A review of Australia's natural gas resources and their exploitation. <i>Journal of Natural Gas Science and Engineering</i> , 2013, 10, 68-88.	2.1	70
143	An overview of renewable energy potential and utilisation in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 582-589.	8.2	21
144	A review on solar energy utilisation in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 1-5.	8.2	101

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145	CALCULATING PSEUDO-STEADY-STATE HORIZONTAL OIL WELL PRODUCTIVITY IN RECTANGULAR DRAINAGE AREAS USING A SIMPLE METHOD. <i>Chemical Engineering Communications</i> , 2013, 200, 222-234.	1.5	4
146	An overview of Australia's hydropower energy: Status and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 20, 565-569.	8.2	42
147	Thermodynamic Investigation of Asphaltene Precipitation during Primary Oil Production: Laboratory and Smart Technique. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 6009-6031.	1.8	86
148	A developed smart technique to predict minimum miscible pressure for implications. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 1325-1337.	0.9	92
149	Simple predictive tool to estimate relative humidity using wet bulb depression and dry bulb temperature. <i>Applied Thermal Engineering</i> , 2013, 50, 511-515.	3.0	10
150	A novel analytical method predicts plug boundaries of bingham plastic fluids for laminar flow through annulus. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 1590-1596.	0.9	2
151	Estimation of the Combined Effect of Temperature and Carbon Dioxide Pressure on Dissolved Calcium Carbonate Concentration in Oilfield Brines. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 793-799.	1.3	2
152	Essentials of Water Systems Design in the Oil, Gas, and Chemical Processing Industries. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2013, , .	0.2	12
153	Simple Predictive Tool Estimates Sodium Adsorption Ratio for Evaluation of Potential Infiltration Problems using Reclaimed Wastewater. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 2492-2503.	0.6	2
154	Prediction of Axial Dispersion in Plug-Flow Reactors Using a Simple Method. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 200-205.	1.3	6
155	Expert and gray box modeling of high pressure liquid carbon dioxide extraction of <i>Pimpinella anisum</i> L. seed. <i>Journal of Supercritical Fluids</i> , 2012, 72, 213-222.	1.6	7
156	A simple predictive tool to estimate flow coefficient for subsonic natural gas flow through nozzle-type chokes. <i>Journal of Natural Gas Science and Engineering</i> , 2012, 7, 1-6.	2.1	9
157	Estimation of flow coefficient for subsonic natural gas flow through orifice-type chokes using a simple method. <i>Journal of Natural Gas Science and Engineering</i> , 2012, 9, 39-44.	2.1	9
158	Estimation of characteristic temperature ratios for panel radiator and high temperature radiant strip systems to calculate heat loss within a room space. <i>Energy and Buildings</i> , 2012, 55, 508-514.	3.1	2
159	Analysing gas well production data using a simplified decline curve analysis method. <i>Chemical Engineering Research and Design</i> , 2012, 90, 541-547.	2.7	14
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