Farouq S Mjalli

List of Publications by Year
in descending order

159	9,575	38660	40881
papers	citations	50 h-index	93 g-index

163	163	163	7190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress in Flow Battery Research and Development. Journal of the Electrochemical Society, 2011, 158, R55.	1.3	1,208
2	Phosphonium-Based Ionic Liquids Analogues and Their Physical Properties. Journal of Chemical & Engineering Data, 2010, 55, 4632-4637.	1.0	345
3	Glucose-based deep eutectic solvents: Physical properties. Journal of Molecular Liquids, 2013, 178, 137-141.	2.3	285
4	Effect of water on the thermo-physical properties of Reline: An experimental and molecular simulation based approach. Physical Chemistry Chemical Physics, 2014, 16, 23900-23907.	1.3	270
5	A novel technique for separating glycerine from palm oil-based biodiesel using ionic liquids. Fuel Processing Technology, 2010, 91, 116-120.	3.7	265
6	Densities of ammonium and phosphonium based deep eutectic solvents: Prediction using artificial intelligence and group contribution techniques. Thermochimica Acta, 2012, 527, 59-66.	1.2	264
7	Fruit sugar-based deep eutectic solvents and their physical properties. Thermochimica Acta, 2012, 541, 70-75.	1.2	260
8	Investigating the electrochemical windows of ionic liquids. Journal of Industrial and Engineering Chemistry, 2013, 19, 106-112.	2.9	242
9	Use of artificial neural network black-box modeling for the prediction of wastewater treatment plants performance. Journal of Environmental Management, 2007, 83, 329-338.	3.8	220
10	Prospects of applying ionic liquids and deep eutectic solvents for renewable energy storage by means of redox flow batteries. Renewable and Sustainable Energy Reviews, 2014, 30, 254-270.	8.2	212
11	Formation of type III Deep Eutectic Solvents and effect of water on their intermolecular interactions. Fluid Phase Equilibria, 2017, 441, 43-48.	1.4	206
12	Prediction of deep eutectic solvents densities at different temperatures. Thermochimica Acta, 2011, 515, 67-72.	1.2	200
13	Using Deep Eutectic Solvents Based on Methyl Triphenyl Phosphunium Bromide for the Removal of Glycerol from Palm-Oil-Based Biodiesel. Energy & Fuels, 2011, 25, 2671-2678.	2.5	189
14	Solubility of CO2 in deep eutectic solvents: Experiments and modelling using the Pengâ€“Robinson equation of state. Chemical Engineering Research and Design, 2014, 92, 1898-1906.	2.7	165
15	Deep oxidative desulfurization of liquid fuels. Reviews in Chemical Engineering, 2014, 30, 337-378.	2.3	149
16	A novel phosphonium-based deep eutectic catalyst for biodiesel production from industrial low grade crude palm oil. Chemical Engineering Science, 2013, 92, 81-88.	1.9	141
17	Production of microporous palm shell based activated carbon for methane adsorption: Modeling and optimization using response surface methodology. Chemical Engineering Research and Design, 2012, 90, 776-784.	2.7	140
18	Tetrabutylammonium Chloride Based Ionic Liquid Analogues and Their Physical Properties. Journal of Chemical & Engineering Data, 2014, 59, 2242-2251.	1.0	131

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19	A new processing route for cleaner production of biodiesel fuel using aÂcholine chloride based deep eutectic solvent. Journal of Cleaner Production, 2014, 65, 246-251.	4.6	129
20	Using Deep Eutectic Solvents for the Removal of Glycerol from Palm Oil-Based Biodiesel. Journal of Applied Sciences, 2010, 10, 3349-3354.	0.1	129
21	Prediction of the surface tension of deep eutectic solvents. Fluid Phase Equilibria, 2012, 319, 48-54.	1.4	126
22	Eutectic solvents for the removal of residual palm oil-based biodiesel catalyst. Separation and Purification Technology, 2011, 81, 216-222.	3.9	121
23	Comparative study of the textural characteristics of oil palm shell activated carbon produced by chemical and physical activation for methane adsorption. Chemical Engineering Research and Design, 2011, 89, 657-664.	2.7	113
24	Using granular activated carbon prepared from oil palm shell by ZnCl2 and physical activation for methane adsorption. Journal of Analytical and Applied Pyrolysis, 2010, 89, 197-203.	2.6	105
25	Control of polystyrene batch reactors using neural network based model predictive control (NNMPC): An experimental investigation. Control Engineering Practice, 2011, 19, 454-467.	3.2	104
26	Liquidâ€“liquid equilibria for the ternary system (phosphonium based deep eutectic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (solve 2012, 314, 52-59.	1.4	97
27	Extractive desulfurization of liquid fuel with FeCl3-based deep eutectic solvents: Experimental design and optimization by central-composite design. Chemical Engineering and Processing: Process Intensification, 2015, 93, 10-20.	1.8	96
28	Thermogravimetric measurement of deep eutectic solvents vapor pressure. Journal of Molecular Liquids, 2016, 222, 61-66.	2.3	93
29	Monoethanolamine-based deep eutectic solvents, their synthesis and characterization. Fluid Phase Equilibria, 2017, 448, 30-40.	1.4	92
30	New tetrapropylammonium bromide-based deep eutectic solvents: Synthesis and characterizations. Journal of Molecular Liquids, 2014, 199, 462-469.	2.3	91
31	Physicochemical properties of ammonium-based deep eutectic solvents and their electrochemical evaluation using organometallic reference redox systems. Electrochimica Acta, 2013, 113, 205-211.	2.6	90
32	Phase equilibria of toluene/heptane with tetrabutylphosphonium bromide based deep eutectic solvents for the potential use in the separation of aromatics from naphtha. Fluid Phase Equilibria, 2012, 333, 47-54.	1.4	89
33	A novel ammonium based eutectic solvent for the treatment of free fatty acid and synthesis of biodiesel fuel. Industrial Crops and Products, 2013, 46, 392-398.	2.5	80
34	Polymeric-based deep eutectic solvents for effective extractive desulfurization of liquid fuel at ambient conditions. Chemical Engineering Research and Design, 2017, 120, 271-283.	2.7	77
35	Prediction of refractive index and density of deep eutectic solvents using atomic contributions. Fluid Phase Equilibria, 2013, 354, 304-311.	1.4	76
36	Viscosity model for choline chlorideâ€based deep eutectic solvents. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 273-281.	0.8	76

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37	Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. Journal of Environmental Management, 2019, 240, 463-474.	3.8	71
38	Electrical conductivity of ammonium and phosphonium based deep eutectic solvents: Measurements and artificial intelligence-based prediction. Fluid Phase Equilibria, 2013, 356, 30-37.	1.4	70
39	Application of the EÃ¶tvos and Guggenheim empirical rules for predicting the density and surface tension of ionic liquids analogues. Thermochimica Acta, 2014, 575, 40-44.	1.2	69
40	Acoustic investigation of choline chloride based ionic liquids analogs. Fluid Phase Equilibria, 2014, 381, 71-76.	1.4	67
41	Ionic liquids analogues based on potassium carbonate. Thermochimica Acta, 2014, 575, 135-143.	1.2	67
42	Zinc (II) chloride-based deep eutectic solvents for application as electrolytes: Preparation and characterization. Journal of Molecular Liquids, 2015, 204, 76-83.	2.3	67
43	Redox Flow Battery for Energy Storage. Arabian Journal for Science and Engineering, 2013, 38, 723-739.	1.1	64
44	Application of deep eutectic solvents as catalysts for the esterification of oleic acid with glycerol. Renewable Energy, 2017, 114, 480-488.	4.3	60
45	Phase equilibria of toluene/heptane with deep eutectic solvents based on ethyltriphenylphosphonium iodide for the potential use in the separation of aromatics from naphtha. Journal of Chemical Thermodynamics, 2013, 65, 138-149.	1.0	59
46	Solubility of Thiophene and Dibenzothiophene in Anhydrous FeCl₃- and ZnCl₂-Based Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2014, 53, 6815-6823.	1.8	59
47	Electrochemical reduction of dioxygen in Bis (trifluoromethylsulfonyl) imide based ionic liquids. Journal of Electroanalytical Chemistry, 2011, 657, 150-157.	1.9	55
48	Long term stability of superoxide ion in piperidinium, pyrrolidinium and phosphonium cations-based ionic liquids and its utilization in the destruction of chlorobenzenes. Journal of Electroanalytical Chemistry, 2012, 664, 26-32.	1.9	55
49	Physical properties and intermolecular interaction of eutectic solvents binary mixtures: reline and ethaline. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 549-557.	0.8	54
50	The electrochemical behaviour of ferrocene in deep eutectic solvents based on quaternary ammonium and phosphonium salts. Physical Chemistry Chemical Physics, 2013, 15, 1707-1714.	1.3	53
51	Optimum Performance of Extractive Desulfurization of Liquid Fuels Using Phosphonium and Pyrrolidinium-Based Ionic Liquids. Industrial & Engineering Chemistry Research, 2015, 54, 6540-6550.	1.8	51
52	A novel method for the synthesis of 2-imidazolones. Tetrahedron Letters, 2010, 51, 1976-1978.	0.7	50
53	Viscosity of aqueous ionic liquids analogues as a function of water content and temperature. Chinese Journal of Chemical Engineering, 2017, 25, 1877-1883.	1.7	43
54	Solubility of Sodium Salts in Ammonium-Based Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2013, 58, 2154-2162.	1.0	42

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55	Novel amino acids based ionic liquids analogues: Acidic and basic amino acids. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 64-74.	2.7	42
56	Characteristics and intermolecular interaction of eutectic binary mixtures: Reline and Glyceline. Korean Journal of Chemical Engineering, 2016, 33, 337-343.	1.2	42
57	Modeling and Sensitivity Analysis of Acoustic Release of Doxorubicin from Unstabilized Pluronic P105 Using an Artificial Neural Network Model. Technology in Cancer Research and Treatment, 2007, 6, 49-56.	0.8	40
58	Neural network model-based predictive control of liquidâ€“liquid extraction contactors. Chemical Engineering Science, 2005, 60, 239-253.	1.9	39
59	Ethanesulfonic acid-based esterification of industrial acidic crude palm oil for biodiesel production. Bioresource Technology, 2011, 102, 9564-9570.	4.8	37
60	Investigation of Ammonium- and Phosphonium-Based Deep Eutectic Solvents as Electrolytes for a Non-Aqueous All-Vanadium Redox Cell. Journal of the Electrochemical Society, 2016, 163, A632-A638.	1.3	37
61	Molar Heat Capacity of Selected Type III Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2016, 61, 1608-1615.	1.0	37
62	Dynamics and Control of a Biodiesel Transesterification Reactor. Chemical Engineering and Technology, 2009, 32, 13-26.	0.9	36
63	Feasibility of phosphonium-based ionic liquids as solvents for extractive desulfurization of liquid fuels. Fluid Phase Equilibria, 2015, 401, 102-109.	1.4	36
64	Dynamic modeling of gas phase propylene homopolymerization in fluidized bed reactors. Chemical Engineering Science, 2011, 66, 1189-1199.	1.9	35
65	Density of aqueous choline chloride-based ionic liquids analogues. Thermochimica Acta, 2017, 647, 8-14.	1.2	35
66	Approximate Predictive versus Self-Tuning Adaptive Control Strategies of Biodiesel Reactors. Industrial & Engineering Chemistry Research, 2009, 48, 11034-11047.	1.8	34
67	Using Artificial Neural Networks and Model Predictive Control to Optimize Acoustically Assisted Doxorubicin Release from Polymeric Micelles. Technology in Cancer Research and Treatment, 2009, 8, 479-488.	0.8	33
68	Control of industrial gas phase propylene polymerization in fluidized bed reactors. Journal of Process Control, 2012, 22, 947-958.	1.7	33
69	Experimental and Modeling Analysis of Propylene Polymerization in a Pilot-Scale Fluidized Bed Reactor. Industrial & Engineering Chemistry Research, 2014, 53, 8694-8705.	1.8	33
70	The Effect of Temperature on Kinetics and Diffusion Coefficients of Metallocene Derivatives in Polyol-Based Deep Eutectic Solvents. PLoS ONE, 2015, 10, e0144235.	1.1	33
71	Prediction of glycerol removal from biodiesel using ammonium and phosphunium based deep eutectic solvents using artificial intelligence techniques. Chemometrics and Intelligent Laboratory Systems, 2012, 118, 193-199.	1.8	32
72	Generation of Superoxide Ion in Pyridinium, Morpholinium, Ammonium, and Sulfonium-Based Ionic Liquids and the Application in the Destruction of Toxic Chlorinated Phenols. Industrial & Engineering Chemistry Research, 2012, 51, 10546-10556.	1.8	32

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73	An investigation of the reaction between 1-butyl-3-methylimidazolium trifluoromethanesulfonate and superoxide ion. Journal of Molecular Liquids, 2013, 181, 44-50.	2.3	32
74	PVDF-co-HFP/superhydrophobic acetylene-based nanocarbon hybrid membrane for seawater desalination via DCMD. Chemical Engineering Research and Design, 2018, 138, 248-259.	2.7	32
75	Modified Rackett equation for modelling the molar volume of deep eutectic solvents. Thermochimica Acta, 2015, 614, 185-190.	1.2	30
76	Embedded high-hydrophobic CNMs prepared by CVD technique with PVDF-co-HFP membrane for application in water desalination by DCMD. , 0, 142, 37-48.		29
77	Improved single phase modeling of propylene polymerization in a fluidized bed reactor. Computers and Chemical Engineering, 2012, 36, 35-47.	2.0	28
78	Experimental investigation of the effects of various parameters on viscosity reduction of heavy crude by oilâ€“water emulsion. Petroleum Science, 2015, 12, 170-176.	2.4	28
79	Dynamics and Predictive Control of Gas Phase Propylene Polymerization in Fluidized Bed Reactors. Chinese Journal of Chemical Engineering, 2013, 21, 1015-1029.	1.7	27
80	Intermolecular interactions and solvation effects of dimethylsulfoxide on type III deep eutectic solvents. Physical Chemistry Chemical Physics, 2019, 21, 17200-17208.	1.3	27
81	Generation of Superoxide Ion in Trihexyl (Tetradecyl) Phosphonium bis (Trifluoromethylsulfonyl) imide Room Temperature Ionic Liquid. Journal of Applied Sciences, 2010, 10, 1176-1180.	0.1	27
82	Simulation of large capacity MSF brine circulation plants. Desalination, 2007, 204, 501-514.	4.0	26
83	Generation of superoxide ion in 1-butyl-1-methylpyrrolidinium trifluoroacetate and its application in the destruction of chloroethanes. Journal of Molecular Liquids, 2012, 167, 28-33.	2.3	25
84	Solubility of Sodium Chloride in Ionic Liquids. Industrial & Engineering Chemistry Research, 2013, 52, 11488-11493.	1.8	25
85	Prediction of CO2 solubility in ionic liquids using the PSRK model. Journal of Supercritical Fluids, 2015, 100, 184-193.	1.6	25
86	Mass connectivity index-based density prediction of deep eutectic solvents. Fluid Phase Equilibria, 2016, 409, 312-317.	1.4	25
87	Ethaline and Glyceline binary eutectic mixtures: characteristics and intermolecular interactions. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 313-320.	0.8	25
88	PREDICTION OF HORIZONTAL OIL-WATER FLOW PRESSURE GRADIENT USING ARTIFICIAL INTELLIGENCE TECHNIQUES. Chemical Engineering Communications, 2014, 201, 209-224.	1.5	24
89	Cyclic Voltammetry of Metallic Acetylacetonate Salts in Quaternary Ammonium and Phosphonium Based Deep Eutectic Solvents. Journal of Solution Chemistry, 2013, 42, 2329-2341.	0.6	22
90	Novel amino acidâ€based ionic liquid analogues: neutral hydroxylic and sulfurâ€containing amino acids. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 683-694.	0.8	22

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91	Measurements and prediction of ternary liquidâ€“liquid equilibria for mixtures of ILÂ+Âsulfur compoundÂ+Âhexadecane. Fluid Phase Equilibria, 2016, 421, 16-23.	1.4	22
92	Experimental and correlation study of selected physical properties of aqueous blends of potassium sarcosinate and 2-piperidineethanol as a solvent for CO2 capture. Chemical Engineering Research and Design, 2017, 118, 121-130.	2.7	22
93	The Novel Application of Hydrated Metal Halide (SnCl2.2H2O) â€“ Based Deep Eutectic Solvent for the Extractive Desulfurization of Liquid Fuels. International Journal of Chemical Engineering and Applications (IJCEA), 2015, 6, 367-371.	0.3	22
94	Optimizing the use of ultrasound to deliver chemotherapeutic agents to cancer cells from polymeric micelles. Journal of the Franklin Institute, 2011, 348, 1276-1284.	1.9	21
95	Novel diethanolamine based deep eutectic mixtures for carbon dioxide (CO₂) capture: synthesis and characterisation. Physics and Chemistry of Liquids, 2019, 57, 473-490.	0.4	21
96	A Review on the Hydrodynamics of the Liquidâ€“Liquid Two-Phase Flow in the Microchannels. Industrial & Engineering Chemistry Research, 2021, 60, 5049-5075.	1.8	21
97	Recursive Least Squares-Based Adaptive Control of a Biodiesel Transesterification Reactor. Industrial & Engineering Chemistry Research, 2010, 49, 11434-11442.	1.8	20
98	Hybrid modelling and kinetic estimation for polystyrene batch reactor using Artificial Neutral Network (ANN) approach. Asia-Pacific Journal of Chemical Engineering, 2011, 6, 274-287.	0.8	20
99	Generation and stability of superoxide ion in tris(pentafluoroethyl)trifluorophosphate anion-based ionic liquids. Journal of Fluorine Chemistry, 2012, 142, 83-89.	0.9	20
100	Flow of deep eutectic solvent-simulated fuel in circular channels: Part IIâ€”Extraction of dibenzothiophene. Chemical Engineering Research and Design, 2017, 119, 294-300.	2.7	20
101	Thermal Conductivities of Choline Chloride-Based Deep Eutectic Solvents and Their Mixtures with Water: Measurement and Estimation. Molecules, 2020, 25, 3816.	1.7	20
102	Optimal liquid fuel extractive desulfurization in micro and mini-channels. Chemical Engineering and Processing: Process Intensification, 2019, 140, 43-51.	1.8	19
103	Ultrasonic study of binary aqueous mixtures of three common eutectic solvents. Physics and Chemistry of Liquids, 2019, 57, 1-18.	0.4	19
104	Production of Palm Shell-Based Activated Carbon with More Homogeniouse Pore Size Distribution. Journal of Applied Sciences, 2010, 10, 3361-3366.	0.1	19
105	Elimination of All Free Glycerol and Reduction of Total Glycerol from Palm Oil-Based Biodiesel Using Non-Glycerol Based Deep Eutectic Solvents. Separation Science and Technology, 2013, 48, 1184-1193.	1.3	18
106	Extractive Desulfurization of Liquid Fuel using Modified Pyrollidinium and Phosphonium Based Ionic Liquid Solvents. Journal of Solution Chemistry, 2018, 47, 468-483.	0.6	18
107	Volumetric properties of non-aqueous binary mixture of diethanolamine (DEA) and dimethylformamide (DMF). Journal of Environmental Chemical Engineering, 2018, 6, 6390-6398.	3.3	18
108	Forecasting of ozone pollution using artificial neural networks. Management of Environmental Quality, 2009, 20, 668-683.	2.2	16

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109	Desulfurization of liquid fuel via extraction with imidazole-containing deep eutectic solvent. Green Processing and Synthesis, 2017, 6, 511-521.	1.3	16
110	Multivariable Adaptive Predictive Model Based Control of a Biodiesel Transesterification Reactor. Journal of Applied Sciences, 2010, 10, 1019-1027.	0.1	16
111	Densities and Viscosities of Binary Blends of Methyl Esters + Ethyl Esters and Ternary Blends of Methyl Esters + Ethyl Esters + Diesel Fuel from T = (293.15 to 358.15) K. Journal of Chemical & Engineering Data, 2012, 57, 1387-1395.	1.0	15
112	Neural network modeling and optimization of scheduling backwash for membrane bioreactor. Clean Technologies and Environmental Policy, 2008, 10, 389-395.	2.1	14
113	Solubility of sodium chloride in phosphonium-based deep eutectic solvents. Journal of Molecular Liquids, 2014, 199, 344-351.	2.3	14
114	Superhydrophobic nanocarbonâ€based membrane with antibacterial characteristics. Biotechnology Progress, 2020, 36, e2963.	1.3	14
115	Aliphatic amino acids as possible hydrogen bond donors for preparing eutectic solvents. Journal of Molecular Liquids, 2021, 330, 115637.	2.3	14
116	A Solid Organic Acid Catalyst for the Pretreatment of Low-Grade Crude Palm Oil and Biodiesel Production. International Journal of Green Energy, 2014, 11, 129-140.	2.1	13
117	Stability of Superoxide Ion in Phosphonium-Based Ionic Liquids. Industrial & Engineering Chemistry Research, 2015, 54, 2074-2080.	1.8	13
118	BTPC-Based DES-Functionalized CNTs for As3+ Removal from Water: NARX Neural Network Approach. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	13
119	Modeling, simulation and control of a scheibel liquidâ€“liquid contactor. Chemical Engineering and Processing: Process Intensification, 2005, 44, 541-553.	1.8	12
120	Optimal hybrid modeling approach for polymerization reactors using parameter estimation techniques. Chemical Engineering Research and Design, 2011, 89, 1078-1087.	2.7	10
121	Generalized predictive control with dual adaptation. Chemical Engineering Science, 2012, 84, 479-493.	1.9	10
122	Comparative simulation study of gas-phase propylene polymerization in fluidized bed reactors using aspen polymers and two phase models. Chemical Industry and Chemical Engineering Quarterly, 2013, 19, 13-24.	0.4	10
123	Transportation of heavy oils using polymer-stabilized oil-in-water emulsions. Journal of Petroleum Exploration and Production, 2017, 7, 881-890.	1.2	10
124	Adsorptive removal of residual catalyst from palm biodiesel: Application of response surface methodology. Hemijska Industrija, 2012, 66, 373-380.	0.3	10
125	Modeling of NH3â€“NOâ€“SCR reaction over CuO/Î³-Al2O3 catalyst in a bubbling fluidized bed reactor using artificial intelligence techniques. Fuel, 2012, 93, 245-251.	3.4	9
126	Physical properties of aqueous blend of diethanolamine and sarcosine: experimental and correlation study. Chemical Papers, 2017, 71, 1799-1807.	1.0	9

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127	Molar heat capacity of tetrabutylammonium chlorideâ€based deep eutectic solvents and their binary water mixtures. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 938-947.	0.8	9
128	Mathematical modeling and steadyâ€state analysis of a scheibel extraction column. Canadian Journal of Chemical Engineering, 1995, 73, 523-533.	0.9	8
129	NEURAL NETWORKâ€“BASED HEAT AND MASS TRANSFER COEFFICIENTS FOR THE HYBRID MODELING OF FLUIDIZED REACTORS. Chemical Engineering Communications, 2009, 197, 318-342.	1.5	8
130	Generalized Predictive Control Algorithm with Real-Time Simultaneous Modeling and Tuning. Industrial & Engineering Chemistry Research, 2014, 53, 9411-9426.	1.8	8
131	Effect of nano-particles on the rheological properties of Reline. Journal of Molecular Liquids, 2015, 206, 256-261.	2.3	8
132	Flow of deep eutectic solvent-simulated fuel in circular channel: Part Iâ€”flow patterns and pressure drop. Chemical Engineering Research and Design, 2017, 119, 286-293.	2.7	8
133	Temperature Effects on the Kinetics of Ferrocene and Cobaltocenium in Methyltriphenylphosphonium Bromide Based Deep Eutectic Solvents. Journal of the Electrochemical Society, 2015, 162, H617-H624.	1.3	6
134	Flow patterns analysis of conventional versus eutectic liquid solvent in different circular small channel diameters. Chemical Papers, 2021, 75, 753-762.	1.0	6
135	Forecasting Air Temperatures Using Time Series Models and Neural-based Algorithms. Journal of Mathematics and Statistics, 2007, 3, 44-48.	0.2	6
136	Modeling, simulation and control of a scheibel liquidâ€“liquid contactor. Chemical Engineering and Processing: Process Intensification, 2005, 44, 529-540.	1.8	5
137	Control of Scheibel Extraction Contactors Using Neural-Network-Based Control Algorithms. Industrial & Engineering Chemistry Research, 2005, 44, 2125-2133.	1.8	5
138	Efficient non-catalytic oxidative and extractive desulfurization of liquid fuels using ionic liquids. RSC Advances, 2016, 6, 103606-103617.	1.7	5
139	Effect of organic solvents and acidic catalysts on biodiesel yields from primary sewage sludge, and characterization of fuel properties. Biofuels, 2021, 12, 405-413.	1.4	5
140	Encapsulated deep eutectic solvent for esterification of free fatty acid. Biomass Conversion and Biorefinery, 2022, 12, 3725-3735.	2.9	5
141	Potassium hydroxide as a novel catalyst for metal-free carbon nanotubes growth on powder activated carbon. Physica B: Condensed Matter, 2021, 621, 413294.	1.3	5
142	Advanced Computational Techniques for Solving Desalination Plant Models Using Neural and Genetic Based Methods. Chemical Product and Process Modeling, 2007, 2, .	0.5	4
143	Two Phase Dynamic Model for Gas Phase Propylene Copolymerization in Fluidized Bed Reactor. Defect and Diffusion Forum, 0, 312-315, 1079-1084.	0.4	4
144	Molar volume of eutectic solvents as a function of molar composition and temperature. Chinese Journal of Chemical Engineering, 2016, 24, 1779-1785.	1.7	4

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145	Development of Web Based Computer Package for the Simulation of Thermal Desalination Processes. Chemical Product and Process Modeling, 2007, 2, .	0.5	3
146	Achieving Stability under Inaccessible Conversions Using CSTR Cascades. International Journal of Chemical Reactor Engineering, 2008, 6, .	0.6	3
147	Electrochemical Generation of Superoxide Ion in Ionic Liquid 1-(3-Methoxypropyl)-1-Methylpiperidinium Bis (Trifluoromethylsulfonyl) Imide. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012028.	0.3	3
148	Centralized vs decentralized adaptive generalized predictive control of a biodiesel reactor. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 137-143.	0.8	3
149	Artificial Neural Approach for Modeling the Heat and Mass Transfer Characteristics in Three-Phase Fluidized Beds. Industrial & Engineering Chemistry Research, 2008, 47, 4542-4552.	1.8	2
150	An Approach for Achieving Unstable Convergence for Nonâ€Isothermal CSTRs. Chemical Engineering and Technology, 2009, 32, 564-571.	0.9	2
151	An Algorithm for Stabilizing Unstable Steady States for Jacketed Nonisothermal Continually Stirred Tank Reactors. Industrial & Engineering Chemistry Research, 2009, 48, 7631-7636.	1.8	2
152	Bimetallic Moâ€“Fe Co-Catalyst-Based Nano-Carbon Impregnated on PAC for Optimum Super-Hydrophobicity. Symmetry, 2020, 12, 1242.	1.1	2
153	High Yield Super-Hydrophobic Carbon Nanomaterials Using Cobalt/Iron Co-Catalyst Impregnated on Powder Activated Carbon. Processes, 2021, 9, 134.	1.3	2
154	Optimizationâ€Based Nonlinear Centralized Controller Tuning of Liquidâ€Liquid Extraction Processes. Solvent Extraction and Ion Exchange, 2005, 23, 561-582.	0.8	1
155	The Dynamics of Liquid Cooling in Half-Coil Jackets. Chemical Product and Process Modeling, 2008, 3, .	0.5	1
156	Parametric study to develop an empirical correlation for undersaturated crude oil viscosity based on the minimum measured input parameters. Fuel, 2014, 119, 111-119.	3.4	1
157	Synthesis of carbon nanotubes on activated carbon using a metal-free NaCl catalyst: a novel and green approach. Applied Nanoscience (Switzerland), 2022, 12, 2643-2655.	1.6	1
158	Control of Stagewise Extractors Using Neuralâ€Based Approximate Predictive Control as Compared to Nonlinear MPC. Solvent Extraction and Ion Exchange, 2006, 24, 227-250.	0.8	0
159	A Newly Developed Empirical Predictive Model for the Dispersed Phase (DP) Holdup in Rotating Disc Contactors. ChemEngineering, 2021, 5, 79.	1.0	0