Farouq S Mjalli

List of Publications by Year
in descending order

159 papers	9,575 citations	38660 50 h-index	40881 93 g-index
163 all docs	163 docs citations	163 times ranked	7190 citing authors

#	Article	IF	Citations
1	Encapsulated deep eutectic solvent for esterification of free fatty acid. Biomass Conversion and Biorefinery, 2022, 12, 3725-3735.	2.9	5
2	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
3	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
4	Flow patterns analysis of conventional versus eutectic liquid solvent in different circular small channel diameters. Chemical Papers, 2021, 75, 753-762.	1.0	6
5	High Yield Super-Hydrophobic Carbon Nanomaterials Using Cobalt/Iron Co-Catalyst Impregnated on Powder Activated Carbon. Processes, 2021, 9, 134.	1.3	2
6	A Review on the Hydrodynamics of the Liquid–Liquid Two-Phase Flow in the Microchannels. Industrial & Engineering Chemistry Research, 2021, 60, 5049-5075.	1.8	21
7	Aliphatic amino acids as possible hydrogen bond donors for preparing eutectic solvents. Journal of Molecular Liquids, 2021, 330, 115637.	2.3	14
8	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
9	A Newly Developed Empirical Predictive Model for the Dispersed Phase (DP) Holdup in Rotating Disc Contactors. ChemEngineering, 2021, 5, 79.	1.0	0
10	Bimetallic Mo–Fe Co-Catalyst-Based Nano-Carbon Impregnated on PAC for Optimum Super-Hydrophobicity. Symmetry, 2020, 12, 1242.	1.1	2
11	Thermal Conductivities of Choline Chloride-Based Deep Eutectic Solvents and Their Mixtures with Water: Measurement and Estimation. Molecules, 2020, 25, 3816.	1.7	20
12	Superhydrophobic nanocarbon–based membrane with antibacterial characteristics. Biotechnology Progress, 2020, 36, e2963.	1.3	14
13	Novel diethanolamine based deep eutectic mixtures for carbon dioxide (CO_2) capture: synthesis and characterisation. Physics and Chemistry of Liquids, 2019, 57, 473-490.	0.4	21
14	Intermolecular interactions and solvation effects of dimethylsulfoxide on type III deep eutectic solvents. Physical Chemistry Chemical Physics, 2019, 21, 17200-17208.	1.3	27
15	Optimal liquid fuel extractive desulfurization in micro and mini-channels. Chemical Engineering and Processing: Process Intensification, 2019, 140, 43-51.	1.8	19
16	Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. Journal of Environmental Management, 2019, 240, 463-474.	3.8	71
17	Ultrasonic study of binary aqueous mixtures of three common eutectic solvents. Physics and Chemistry of Liquids, 2019, 57, 1-18.	0.4	19
18	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

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19	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
20	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
21	BTPC-Based DES-Functionalized CNTs for As3+ Removal from Water: NARX Neural Network Approach. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	13
22	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
23	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
24	Desulfurization of liquid fuel via extraction with imidazole-containing deep eutectic solvent. Green Processing and Synthesis, 2017, 6, 511-521.	1.3	16
25	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
26	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
27	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
28	Ethaline and Glyceline binary eutectic mixtures: characteristics and intermolecular interactions. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 313-320.	0.8	25
29	Physical properties of aqueous blend of diethanolamine and sarcosine: experimental and correlation study. Chemical Papers, 2017, 71, 1799-1807.	1.0	9
30	Monoethanolamine-based deep eutectic solvents, their synthesis and characterization. Fluid Phase Equilibria, 2017, 448, 30-40.	1.4	92
31	Transportation of heavy oils using polymer-stabilized oil-in-water emulsions. Journal of Petroleum Exploration and Production, 2017, 7, 881-890.	1.2	10
32	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
33	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
34	Application of deep eutectic solvents as catalysts for the esterification of oleic acid with glycerol. Renewable Energy, 2017, 114, 480-488.	4.3	60
35	Density of aqueous choline chloride-based ionic liquids analogues. Thermochimica Acta, 2017, 647, 8-14.	1.2	35
36	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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37	Thermogravimetric measurement of deep eutectic solvents vapor pressure. Journal of Molecular Liquids, 2016, 222, 61-66.	2.3	93
38	Efficient non-catalytic oxidative and extractive desulfurization of liquid fuels using ionic liquids. RSC Advances, 2016, 6, 103606-103617.	1.7	5
39	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
40	Measurements and prediction of ternary liquid–liquid equilibria for mixtures of IL + sulfur compound + hexadecane. Fluid Phase Equilibria, 2016, 421, 16-23.	1.4	22
41	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
42	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
43	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
44	Mass connectivity index-based density prediction of deep eutectic solvents. Fluid Phase Equilibria, 2016, 409, 312-317.	1.4	25
45	Molar Heat Capacity of Selected Type III Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2016, 61, 1608-1615.	1.0	37
46	Characteristics and intermolecular interaction of eutectic binary mixtures: Reline and Glyceline. Korean Journal of Chemical Engineering, 2016, 33, 337-343.	1.2	42
47	Viscosity model for choline chloride-based deep eutectic solvents. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 273-281.	0.8	76
48	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
49	Feasibility of phosphonium-based ionic liquids as solvents for extractive desulfurization of liquid fuels. Fluid Phase Equilibria, 2015, 401, 102-109.	1.4	36
50	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
51	Prediction of CO2 solubility in ionic liquids using the PSRK model. Journal of Supercritical Fluids, 2015, 100, 184-193.	1.6	25
52	Stability of Superoxide Ion in Phosphonium-Based Ionic Liquids. Industrial & Engineering Chemistry Research, 2015, 54, 2074-2080.	1.8	13
53	Effect of nano-particles on the rheological properties of Reline. Journal of Molecular Liquids, 2015, 206, 256-261.	2.3	8
54	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

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55	Experimental investigation of the effects of various parameters on viscosity reduction of heavy crude by oil–water emulsion. Petroleum Science, 2015, 12, 170-176.	2.4	28
56	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
57	Modified Rackett equation for modelling the molar volume of deep eutectic solvents. Thermochimica Acta, 2015, 614, 185-190.	1.2	30
58	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
59	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
60	Deep oxidative desulfurization of liquid fuels. Reviews in Chemical Engineering, 2014, 30, 337-378.	2.3	149
61	PREDICTION OF HORIZONTAL OIL-WATER FLOW PRESSURE GRADIENT USING ARTIFICIAL INTELLIGENCE TECHNIQUES. Chemical Engineering Communications, 2014, 201, 209-224.	1.5	24
62	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
63	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
64	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
65	New tetrapropylammonium bromide-based deep eutectic solvents: Synthesis and characterizations. Journal of Molecular Liquids, 2014, 199, 462-469.	2.3	91
66	Generalized Predictive Control Algorithm with Real-Time Simultaneous Modeling and Tuning. Industrial & Engineering Chemistry Research, 2014, 53, 9411-9426.	1.8	8
67	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
68	Solubility of sodium chloride in phosphonium-based deep eutectic solvents. Journal of Molecular Liquids, 2014, 199, 344-351.	2.3	14
69	Acoustic investigation of choline chloride based ionic liquids analogs. Fluid Phase Equilibria, 2014, 381, 71-76.	1.4	67
70	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
71	Tetrabutylammonium Chloride Based Ionic Liquid Analogues and Their Physical Properties. Journal of Chemical & Engineering Data, 2014, 59, 2242-2251.	1.0	131
72	Ionic liquids analogues based on potassium carbonate. Thermochimica Acta, 2014, 575, 135-143.	1.2	67

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73	Solubility of Thiophene and Dibenzothiophene in Anhydrous $FeCl_3$- and $ZnCl_2$-Based Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2014, 53, 6815-6823.	1.8	59
74	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
75	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
76	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
77	Centralized <i>vs</i> decentralized adaptive generalized predictive control of a biodiesel reactor. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 137-143.	0.8	3
78	Redox Flow Battery for Energy Storage. Arabian Journal for Science and Engineering, 2013, 38, 723-739.	1.1	64
79	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
80	Solubility of Sodium Salts in Ammonium-Based Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2013, 58, 2154-2162.	1.0	42
81	Prediction of refractive index and density of deep eutectic solvents using atomic contributions. Fluid Phase Equilibria, 2013, 354, 304-311.	1.4	76
82	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
83	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
84	Solubility of Sodium Chloride in Ionic Liquids. Industrial & Engineering Chemistry Research, 2013, 52, 11488-11493.	1.8	25
85	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
86	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
87	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
88	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
89	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
90	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

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91	Glucose-based deep eutectic solvents: Physical properties. Journal of Molecular Liquids, 2013, 178, 137-141.	2.3	285
92	Investigating the electrochemical windows of ionic liquids. Journal of Industrial and Engineering Chemistry, 2013, 19, 106-112.	2.9	242
93	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
94	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
95	Fruit sugar-based deep eutectic solvents and their physical properties. Thermochimica Acta, 2012, 541, 70-75.	1.2	260
96	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
97	Generalized predictive control with dual adaptation. Chemical Engineering Science, 2012, 84, 479-493.	1.9	10
98	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
99	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
100	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
101	Control of industrial gas phase propylene polymerization in fluidized bed reactors. Journal of Process Control, 2012, 22, 947-958.	1.7	33
102	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
103	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
104	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
105	Liquidâ€"liquid equilibria for the ternary system (phosphonium based deep eutectic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 18 2012, 314, 52-59.	1.4	97
106	Prediction of the surface tension of deep eutectic solvents. Fluid Phase Equilibria, 2012, 319, 48-54.	1.4	126
107	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
108	Improved single phase modeling of propylene polymerization in a fluidized bed reactor. Computers and Chemical Engineering, 2012, 36, 35-47.	2.0	28

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109	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
110	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
111	Adsorptive removal of residual catalyst from palm biodiesel: Application of response surface methodology. Hemijska Industrija, 2012, 66, 373-380.	0.3	10
112	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
113	Progress in Flow Battery Research and Development. Journal of the Electrochemical Society, 2011, 158, R55.	1.3	1,208
114	Eutectic solvents for the removal of residual palm oil-based biodiesel catalyst. Separation and Purification Technology, 2011, 81, 216-222.	3.9	121
115	Ethanesulfonic acid-based esterification of industrial acidic crude palm oil for biodiesel production. Bioresource Technology, 2011, 102, 9564-9570.	4.8	37
116	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
117	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
118	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
119	Dynamic modeling of gas phase propylene homopolymerization in fluidized bed reactors. Chemical Engineering Science, 2011, 66, 1189-1199.	1.9	35
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	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
122	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
123	Electrochemical reduction of dioxygen in Bis (trifluoromethylsulfonyl) imide based ionic liquids. Journal of Electroanalytical Chemistry, 2011, 657, 150-157.	1.9	55
124	Prediction of deep eutectic solvents densities at different temperatures. Thermochimica Acta, 2011, 515, 67-72.	1.2	200
125	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
126	A novel technique for separating glycerine from palm oil-based biodiesel using ionic liquids. Fuel Processing Technology, 2010, 91, 116-120.	3.7	265

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127	A novel method for the synthesis of 2-imidazolones. Tetrahedron Letters, 2010, 51, 1976-1978.	0.7	50
128	Phosphonium-Based Ionic Liquids Analogues and Their Physical Properties. Journal of Chemical & Engineering Data, 2010, 55, 4632-4637.	1.0	345
129	Recursive Least Squares-Based Adaptive Control of a Biodiesel Transesterification Reactor. Industrial & Engineering Chemistry Research, 2010, 49, 11434-11442.	1.8	20
130	Multivariable Adaptive Predictive Model Based Control of a Biodiesel Transesterification Reactor. Journal of Applied Sciences, 2010, 10, 1019-1027.	0.1	16
131	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
132	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
133	Production of Palm Shell-Based Activated Carbon with More Homogeniouse Pore Size Distribution. Journal of Applied Sciences, 2010, 10, 3361-3366.	0.1	19
134	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
135	An Approach for Achieving Unstable Convergence for Nonâ€‹Isothermal CSTRs. Chemical Engineering and Technology, 2009, 32, 564-571.	0.9	2
136	Dynamics and Control of a Biodiesel Transesterification Reactor. Chemical Engineering and Technology, 2009, 32, 13-26.	0.9	36
137	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
138	Approximate Predictive versus Self-Tuning Adaptive Control Strategies of Biodiesel Reactors. Industrial & Engineering Chemistry Research, 2009, 48, 11034-11047.	1.8	34
139	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
140	Forecasting of ozone pollution using artificial neural networks. Management of Environmental Quality, 2009, 20, 668-683.	2.2	16
141	Neural network modeling and optimization of scheduling backwash for membrane bioreactor. Clean Technologies and Environmental Policy, 2008, 10, 389-395.	2.1	14
142	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
143	Achieving Stability under Inaccessible Conversions Using CSTR Cascades. International Journal of Chemical Reactor Engineering, 2008, 6, .	0.6	3
144	The Dynamics of Liquid Cooling in Half-Coil Jackets. Chemical Product and Process Modeling, 2008, 3, .	0.5	1

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145	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
146	Development of Web Based Computer Package for the Simulation of Thermal Desalination Processes. Chemical Product and Process Modeling, 2007, 2, .	0.5	3
147	Advanced Computational Techniques for Solving Desalination Plant Models Using Neural and Genetic Based Methods. Chemical Product and Process Modeling, 2007, 2, .	0.5	4
148	Simulation of large capacity MSF brine circulation plants. Desalination, 2007, 204, 501-514.	4.0	26
149	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
150	Forecasting Air Temperatures Using Time Series Models and Neural-based Algorithms. Journal of Mathematics and Statistics, 2007, 3, 44-48.	0.2	6
151	Control of Stagewise Extractors Using Neural-Based Approximate Predictive Control as Compared to Nonlinear MPC. Solvent Extraction and Ion Exchange, 2006, 24, 227-250.	0.8	0
152	Modeling, simulation and control of a scheibel liquid–liquid contactor. Chemical Engineering and Processing: Process Intensification, 2005, 44, 529-540.	1.8	5
153	Modeling, simulation and control of a scheibel liquid–liquid contactor. Chemical Engineering and Processing: Process Intensification, 2005, 44, 541-553.	1.8	12
154	Neural network model-based predictive control of liquid–liquid extraction contactors. Chemical Engineering Science, 2005, 60, 239-253.	1.9	39
155	Optimization-Based Nonlinear Centralized Controller Tuning of Liquid-Liquid Extraction Processes. Solvent Extraction and Ion Exchange, 2005, 23, 561-582.	0.8	1
156	Control of Scheibel Extraction Contactors Using Neural-Network-Based Control Algorithms. Industrial & Engineering Chemistry Research, 2005, 44, 2125-2133.	1.8	5
157	Mathematical modeling and steady-state analysis of a scheibel extraction column. Canadian Journal of Chemical Engineering, 1995, 73, 523-533.	0.9	8
158	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
159	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