

Mohamed Kheireddine Aroua

List of Publications by Year in descending order

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252
papers

16,715
citations

18465

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17580

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all docs

254
docs citations

254
times ranked

16283
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar derived from fruit by-products using pyrolysis process for the elimination of Pb(II) ion: An updated review. <i>Chemosphere</i> , 2022, 287, 132250.	4.2	22
2	Prediction of B20 Storage Tank Precipitate Removal Based on Biodiesel Monoglyceride Content. <i>ChemEngineering</i> , 2022, 6, 7.	1.0	0
3	Activated carbon-based electrodes for two-steps catalytic/ electrocatalytic reduction of glycerol in Amberlyst-15 mediator. <i>Chemosphere</i> , 2022, , 133949.	4.2	3
4	Glycerol Electrocatalytic Reduction Using an Activated Carbon Composite Electrode: Understanding the Reaction Mechanisms and an Optimization Study. <i>Frontiers in Chemistry</i> , 2022, 10, 845614.	1.8	2
5	Physicochemical and oxidative stability of indigenous traditional tengkawang butter as potential cocoa butter equivalent (CBE). <i>International Journal of Food Properties</i> , 2022, 25, 780-791.	1.3	3
6	A Systematic Review of Amino Acid-Based Adsorbents for CO ₂ Capture. <i>Energies</i> , 2022, 15, 3753.	1.6	11
7	A review of recent progress on electrocatalysts toward efficient glycerol electrooxidation. <i>Reviews in Chemical Engineering</i> , 2021, 37, 779-811.	2.3	28
8	Structure–selectivity relationship of a zirconia-based heterogeneous acid catalyst in the production of green mono- and dioleate product. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 19-29.	2.1	4
9	The effects of 1-ethyl-3-methylimidazolium bis (trifluoromethylsulfonyl) imide [emim] ⁺ [NTf ₂ ⁻] IL: acetone compositions on the amount, homogeneity and chemical stability of immobilized IL in hollow fiber-supported ionic liquid membranes (SILMs). <i>Chemical Engineering Communications</i> , 2021, 208, 925-936.	1.5	1
10	Harvesting Electricity from CO ₂ Emission: Opportunities, Challenges and Future Prospects. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 1061-1081.	2.7	3
11	Oxidative hydrothermal surface modification of activated carbon for sevoflurane removal. <i>Chemosphere</i> , 2021, 264, 128535.	4.2	10
12	Process optimization and kinetics of microwave assisted transesterification of crude glycerol for the production of glycerol carbonate. <i>Sustainable Energy and Fuels</i> , 2021, 5, 274-282.	2.5	12
13	Mechanistic insights into carbon dioxide utilization by superoxide ion generated electrochemically in ionic liquid electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1114-1126.	1.3	7
14	High Yield Super-Hydrophobic Carbon Nanomaterials Using Cobalt/Iron Co-Catalyst Impregnated on Powder Activated Carbon. <i>Processes</i> , 2021, 9, 134.	1.3	2
15	Kinetic parameters for glycerol electrooxidation over nitrogen- and fluorine-doped composite carbon: Dynamic electrochemical impedance spectroscopy analysis based. <i>Journal of Electroanalytical Chemistry</i> , 2021, 883, 115043.	1.9	4
16	The application of polymer containing materials in CO ₂ capturing via absorption and adsorption methods. <i>Journal of CO₂ Utilization</i> , 2021, 48, 101526.	3.3	41
17	Thanaka (<i>H. crenulata</i> , <i>N. crenulata</i> , <i>L. acidissima</i> L.): A Systematic Review of Its Chemical, Biological Properties and Cosmeceutical Applications. <i>Cosmetics</i> , 2021, 8, 68.	1.5	6
18	Adsorption of CO ₂ on palm shell based activated carbon modified by deep eutectic solvent: Breakthrough adsorption study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105333.	3.3	36

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19	Hybridized Fe/Ru-SiMWCNT-ionic liquid nanofluid for CO ₂ conversion into carbamate using superoxide ion. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105285.	3.3	8
20	Statistical Optimization and Kinetic Modeling of Lipase-Catalyzed Synthesis of Diacylglycerol in the Mixed Solvent System of Acetone/ <i>tert</i> -Butanol. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 14026-14037.	1.8	2
21	Current State and Perspectives on Transesterification of Triglycerides for Biodiesel Production. <i>Catalysts</i> , 2021, 11, 1121.	1.6	53
22	Mass transfer coefficients of carbon dioxide in aqueous blends of monoethanolamine and glycerol using wetted-wall column. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106618.	3.3	9
23	Transforming Plastic Waste into Porous Carbon for Capturing Carbon Dioxide: A Review. <i>Energies</i> , 2021, 14, 8421.	1.6	33
24	Enhancement of ionic mass transfer coefficient using a unique electrocoagulation reactor with rotating impeller anode. <i>Separation Science and Technology</i> , 2020, 55, 1167-1176.	1.3	5
25	Production of palm-based glycol ester over solid acid catalysed esterification of lauric acid via microwave heating. <i>Chemical Engineering Journal</i> , 2020, 382, 122975.	6.6	9
26	Supported ionic liquid membranes (SILMs) as a contactor for selective absorption of CO ₂ /O ₂ by aqueous monoethanolamine (MEA). <i>Separation and Purification Technology</i> , 2020, 230, 115849.	3.9	23
27	Breakthrough analysis of continuous fixed-bed adsorption of sevoflurane using activated carbons. <i>Chemosphere</i> , 2020, 239, 124839.	4.2	41
28	Recent trends in the development of adsorption technologies for carbon dioxide capture: A brief literature and patent reviews (2014–2018). <i>Journal of Cleaner Production</i> , 2020, 253, 119707.	4.6	97
29	Investigating the electrocatalytic oxidation of glycerol on simultaneous nitrogen- and fluorine-doped on activated carbon black composite. <i>Diamond and Related Materials</i> , 2020, 101, 107626.	1.8	9
30	A review of recent developments on kinetics parameters for glycerol electrochemical conversion – A by-product of biodiesel. <i>Science of the Total Environment</i> , 2020, 705, 135137.	3.9	57
31	Tailoring of activated carbon with ammonia for enhanced anaesthetic sevoflurane adsorption. <i>Separation and Purification Technology</i> , 2020, 251, 117404.	3.9	0
32	Preparation and characterization of electrode from annealed nano-diamond particles with boric acid for anodic oxidation process. <i>Electrochimica Acta</i> , 2020, 362, 137221.	2.6	9
33	Enrichment of surface oxygen functionalities on activated carbon for adsorptive removal of sevoflurane. <i>Chemosphere</i> , 2020, 260, 127496.	4.2	15
34	Authors' response to comments on Ang et al. – Breakthrough analysis of continuous fixed-bed adsorption of sevoflurane using activated carbons. <i>Chemosphere</i> , 2020, 247, 126389.	4.2	2
35	Experimental Densities of Binary mixture of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide or sulfolane with monoethanolamine and their molecular interaction by COSMO-RS. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 778, 012022.	0.3	0
36	Bimetallic Mo–Fe Co-Catalyst-Based Nano-Carbon Impregnated on PAC for Optimum Super-Hydrophobicity. <i>Symmetry</i> , 2020, 12, 1242.	1.1	2

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37	Catalyst Characteristics and Performance of Silica-Supported Zinc for Hydrodeoxygenation of Phenol. <i>Energies</i> , 2020, 13, 2802.	1.6	3
38	Effect of Reaction Medium Mixture on the Lipase Catalyzed Synthesis of Diacylglycerol. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9869-9881.	1.8	10
39	CO ₂ Absorption/Desorption in Aqueous Single and Novel Hybrid Solvents of Glycerol and Monoethanolamine in a Pilot-Scale Packed Bed Column. <i>Energy & Fuels</i> , 2020, 34, 8503-8515.	2.5	8
40	Editorial: From Glycerol to Value-Added Products. <i>Frontiers in Chemistry</i> , 2020, 8, 69.	1.8	16
41	Gas-phase hydrodeoxygenation of phenol over Zn/SiO ₂ catalysts: Effects of zinc load, temperature, weight hourly space velocity, and H ₂ volumetric flow rate. <i>Biomass and Bioenergy</i> , 2020, 138, 105556.	2.9	12
42	A review on activated carbon adsorption for volatile organic compounds (VOCs). <i>Reviews in Chemical Engineering</i> , 2019, 35, 649-668.	2.3	90
43	Recent development in the electrochemical conversion of carbon dioxide: Short review. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	8
44	Combined solar electrocoagulation and adsorption processes for Pb(II) removal from aqueous solution. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 143, 107619.	1.8	22
45	In Situ Electrosynthesis of Peroxydicarbonate Anion in Ionic Liquid Media Using Carbon Dioxide/Superoxide System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25928-25939.	4.0	12
46	Enhancing the Anti-biofouling Properties of Polyethersulfone Membrane Using Chitosan-Powder Activated Carbon Composite. <i>Journal of Polymers and the Environment</i> , 2019, 27, 2156-2166.	2.4	6
47	Low-cost, biodegradable and highly effective adsorbents for batch and column fixed bed adsorption processes of methylene blue. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103409.	3.3	56
48	Starch as novel water soluble biopolymer in removal mixtures heavy metal ions via polymer enhanced ultrafiltration. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
49	Raw landfill leachate treatment using an electrocoagulation process with a novel rotating electrode reactor. <i>Water Science and Technology</i> , 2019, 80, 458-465.	1.2	21
50	Temperature-programmed reduction of silver(I) oxide using a titania-supported silver catalyst under a H ₂ atmosphere. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1443-1455.	0.8	7
51	Selective Electrochemical Conversion of Glycerol to Glycolic Acid and Lactic Acid on a Mixed Carbon-Black Activated Carbon Electrode in a Single Compartment Electrochemical Cell. <i>Frontiers in Chemistry</i> , 2019, 7, 110.	1.8	15
52	Esterification of Glycerol With Oleic Acid Over Hydrophobic Zirconia-Silica Acid Catalyst and Commercial Acid Catalyst: Optimization and Influence of Catalyst Acidity. <i>Frontiers in Chemistry</i> , 2019, 7, 205.	1.8	30
53	Atmospheric hydrodeoxygenation of phenol as pyrolytic oil model compound for hydrocarbon production using Ag/TiO ₂ catalyst. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2293.	0.8	12
54	Solubility of CO ₂ in aqueous 2-amino-1, 3-propanediol (Serinol) at elevated pressures. <i>Journal of Molecular Liquids</i> , 2019, 277, 207-216.	2.3	2

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55	Synergistic interaction of metal- acid sites for phenol hydrodeoxygenation over bifunctional Ag/TiO ₂ nanocatalyst. Chinese Journal of Chemical Engineering, 2019, 27, 349-361.	1.7	22
56	Mechanism of bacterial adhesion on ultrafiltration membrane modified by natural antimicrobial polymers (chitosan) and combination with activated carbon (PAC). Reviews in Chemical Engineering, 2019, 35, 421-443.	2.3	26
57	Selection of Tubular Membrane Separation based on the Resistance Performance. , 2019, , .		0
58	Advanced process control for ultrafiltration membrane water treatment system. Journal of Cleaner Production, 2018, 179, 63-80.	4.6	42
59	Electrochemical reduction of bicarbonate on carbon nanotube-supported silver oxide: An electrochemical impedance spectroscopy study. Journal of Environmental Chemical Engineering, 2018, 6, 1033-1043.	3.3	8
60	Atmospheric hydrodeoxygenation of bio-oil oxygenated model compounds: A review. Journal of Analytical and Applied Pyrolysis, 2018, 133, 117-127.	2.6	62
61	Optimization study on preparation of amine functionalized sea mango (cerbera odollam) activated carbon for Carbon Dioxide (CO ₂) adsorption. Combustion Science and Technology, 2018, 190, 1259-1282.	1.2	13
62	Improvement of product selectivity in bicarbonate reduction into formic acid on a tin-based catalyst by integrating nano-diamond particles. Chemical Engineering Research and Design, 2018, 116, 494-505.	2.7	5
63	Solar photovoltaic applications: opportunities and challenges. Reviews in Chemical Engineering, 2018, 34, 503-528.	2.3	16
64	Prediction of CO ₂ /O ₂ absorption selectivity using supported ionic liquid membranes (SILMs) for gas-liquid membrane contactor. Chemical Engineering Communications, 2018, 205, 295-310.	1.5	10
65	Modification of polyethylene glycol with choline chloride and evaluation of the CO ₂ absorption capacity of their aqueous solutions. , 2018, 8, 324-334.		8
66	A review on the adsorption of phenols from wastewater onto diverse groups of adsorbents. Reviews in Chemical Engineering, 2018, 34, 855-873.	2.3	58
67	Solubility of CO ₂ in aqueous solutions of glycerol and monoethanolamine. Journal of Molecular Liquids, 2018, 249, 40-52.	2.3	41
68	Treatment of Textile Wastewater Using a Novel Electrocoagulation Reactor Design. , 2018, , .		2
69	Electrochemical bicarbonate reduction in the presence of Diisopropylamine on silver oxide in alkaline sodium bicarbonate medium. Journal of Environmental Chemical Engineering, 2018, 6, 6335-6343.	3.3	2
70	Development of diamond composite electrode for anodic oxidation of organic pollutants. Journal of Environmental Chemical Engineering, 2018, 6, 3884-3888.	3.3	7
71	Acidity, oxophilicity and hydrogen sticking probability of supported metal catalysts for hydrodeoxygenation process. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012074.	0.3	7
72	Development of a Novel Hydrophobic ZrO ₂ -SiO ₂ Based Acid Catalyst for Catalytic Esterification of Glycerol with Oleic Acid. Industrial & Engineering Chemistry Research, 2018, 57, 9386-9399.	1.8	31

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73	Pyrolysis of plastic waste for liquid fuel production as prospective energy resource. IOP Conference Series: Materials Science and Engineering, 2018, 334, 012001.	0.3	83
74	Delayed volatiles release phenomenon at higher temperature in TGA via sample encapsulation technique. Fuel, 2018, 234, 422-429.	3.4	10
75	Effect of carbon source on acclimatization of nitrifying bacteria to achieve high-rate partial nitrification of wastewater with high ammonium concentration. Applied Water Science, 2017, 7, 165-173.	2.8	13
76	The application of iron mesh double layer as anode for the electrochemical treatment of Reactive Black 5 dye. Journal of Environmental Sciences, 2017, 54, 184-195.	3.2	34
77	Removal of lead by solar-photovoltaic electrocoagulation using novel perforated zinc electrode. Journal of Cleaner Production, 2017, 147, 206-216.	4.6	63
78	Effect of Adsorption and Passivation Phenomena on the Electrochemical Oxidation of Phenol and 2-Chlorophenol at Carbon Black Diamond Composite Electrode. Industrial & Engineering Chemistry Research, 2017, 56, 1652-1660.	1.8	21
79	A review of ionic liquids as catalysts for transesterification reactions of biodiesel and glycerol carbonate production. Catalysis Reviews - Science and Engineering, 2017, 59, 44-93.	5.7	64
80	A review on reaction mechanisms of metal-catalyzed deoxygenation process in bio-oil model compounds. Applied Catalysis A: General, 2017, 541, 87-106.	2.2	115
81	Optimization of transesterification of palm-based methyl palmitate and triethanolamine towards maximum di-esteramine content. Biocatalysis and Agricultural Biotechnology, 2017, 10, 352-359.	1.5	4
82	Carbon dioxide adsorption on nitrogen-enriched gel beads from calcined eggshell/sodium alginate natural composite. Chemical Engineering Research and Design, 2017, 109, 387-399.	2.7	23
83	A review of electrocoagulation technology for the treatment of textile wastewater. Reviews in Chemical Engineering, 2017, 33, .	2.3	117
84	Microstructures, interactions and dynamics properties studies of aqueous guanidinium triflate ionic liquid from molecular dynamics simulations. Journal of Molecular Liquids, 2017, 227, 184-193.	2.3	5
85	Optimisation of Reactive Black 5 dye removal by electrocoagulation process using response surface methodology. Water Science and Technology, 2017, 75, 952-962.	1.2	27
86	Recent trends in removal and recovery of heavy metals from wastewater by electrochemical technologies. Reviews in Chemical Engineering, 2017, 33, .	2.3	59
87	Electrochemical Properties and Electrode Reversibility Studies of Palm Shell Activated Carbon for Heavy Metal Removal. Electrochimica Acta, 2017, 249, 96-103.	2.6	8
88	A review on reactivity and stability of heterogeneous metal catalysts for deoxygenation of bio-oil model compounds. Journal of Industrial and Engineering Chemistry, 2017, 56, 1-34.	2.9	132
89	Energy recovery from pyrolysis of plastic waste: Study on non-recycled plastics (NRP) data as the real measure of plastic waste. Energy Conversion and Management, 2017, 148, 925-934.	4.4	162
90	Effect of varying the amount of binder on the electrochemical characteristics of palm shell activated carbon. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012011.	0.3	3

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91	Polymeric ionic liquids (PILs) for CO ₂ capture. <i>Reviews in Chemical Engineering</i> , 2017, 33, 183-200.	2.3	24
92	A practical hybrid modelling approach for the prediction of potential fouling parameters in ultrafiltration membrane water treatment plant. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 145-155.	2.9	52
93	A low sludge generated anode by hybrid solar electrocoagulation for the removal of lead. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 210, 012013.	0.3	0
94	Selective Electroreduction of Glycerol to 1,2-Propanediol on a Mixed Carbon-Black Activated Carbon Electrode and a Mixed Carbon Black-Diamond Electrode. <i>BioResources</i> , 2017, 13, .	0.5	1
95	Synthesis, characterization, and performance evaluation of multilayered photoanodes by introducing mesoporous carbon and TiO ₂ for humic acid adsorption. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3969-3978.	3.3	9
96	Correlation and measurement of density and viscosity of aqueous mixtures of glycerol and N-methyldiethanolamine, monoethanolamine, piperazine and ionic liquid. <i>Journal of Molecular Liquids</i> , 2016, 221, 1155-1161.	2.3	19
97	Production of glycerol carbonate from glycerol with aid of ionic liquid as catalyst. <i>Chemical Engineering Journal</i> , 2016, 297, 128-138.	6.6	72
98	Preparation of activated carbon using sea mango (<i>Cerbera odollam</i>) with microwave-assisted technique for the removal of methyl orange from textile wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 29143-29152.	1.0	12
99	A review of the enzymatic hydroesterification process for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 245-257.	8.2	108
100	Evaluation of 1-Butyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide-Alkanolamine Sulfolane-Based System as Solvent for Absorption of Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7992-8001.	1.8	26
101	Production and applications of electric-arc-furnace slag as solid waste in environmental technologies: a review. <i>Environmental Technology Reviews</i> , 2016, 5, 1-11.	2.1	29
102	Enhanced microwave catalytic-esterification of industrial grade glycerol over Brønsted-based methane sulfonic acid in production of biolubricant. <i>Chemical Engineering Research and Design</i> , 2016, 104, 323-333.	2.7	15
103	Simulation of Aqueous Blend of Monoethanolamine and Glycerol for Carbon Dioxide Capture from Flue Gas. <i>Energy & Fuels</i> , 2016, 30, 9540-9553.	2.5	12
104	An overview of biological processes and their potential for CO ₂ capture. <i>Journal of Environmental Management</i> , 2016, 183, 41-58.	3.8	85
105	Absorption of CO ₂ into aqueous mixtures of glycerol and monoethanolamine. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 35, 605-613.	2.1	50
106	Experimental densities and viscosities of binary mixture of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide or glycerol with sulfolane and their molecular interaction by COSMO-RS. <i>Thermochimica Acta</i> , 2016, 639, 130-147.	1.2	17
107	Key issues of ultrafiltration membrane water treatment plant scale-up from laboratory and pilot plant results. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 438-444.	1.0	4
108	Conversion of crude and pure glycerol into derivatives: A feasibility evaluation. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 63, 533-555.	8.2	144

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109	Catalytic role of solid acid catalysts in glycerol acetylation for the production of bio-additives: a review. RSC Advances, 2016, 6, 68885-68905.	1.7	84
110	Reactivity of carbon black diamond electrode during the electro-oxidation of Remazol Brilliant Blue R. RSC Advances, 2016, 6, 3690-3699.	1.7	6
111	Electrocoagulation by solar energy feed for textile wastewater treatment including mechanism and hydrogen production using a novel reactor design with a rotating anode. RSC Advances, 2016, 6, 10192-10204.	1.7	28
112	Sulfonated Beet Pulp as Solid Catalyst in One-Step Esterification of Industrial Palm Fatty Acid Distillate. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 319-327.	0.8	12
113	A review on pyrolysis of plastic wastes. Energy Conversion and Management, 2016, 115, 308-326.	4.4	1,296
114	Production of Palm-Based Esteramine Through Heterogeneous Catalysis. Journal of Surfactants and Detergents, 2016, 19, 11-18.	1.0	7
115	Evaluation of ultrafiltration and conventional water treatment systems for sustainable development: an industrial scale case study. Journal of Cleaner Production, 2016, 112, 3152-3163.	4.6	54
116	Microwave-assisted transesterification of industrial grade crude glycerol for the production of glycerol carbonate. Chemical Engineering Journal, 2016, 284, 469-477.	6.6	56
117	Palm Shell-based Activated Carbon for Removing Reactive Black 5 Dye: Equilibrium and Kinetics Studies. BioResources, 2015, 11, .	0.5	8
118	Physicochemical characterization and thermal behavior of biodiesel and biodiesel-diesel blends derived from crude Moringa peregrina seed oil. Energy Conversion and Management, 2015, 92, 535-542.	4.4	56
119	A review of CO ₂ capture by absorption in ionic liquid-based solvents. Reviews in Chemical Engineering, 2015, 31, .	2.3	109
120	Density and viscosity of aqueous mixtures of N-methyldiethanolamines (MDEA), piperazine (PZ) and ionic liquids. Journal of Molecular Liquids, 2015, 209, 596-602.	2.3	42
121	p-Benzoquinone Anodic Degradation by Carbon Black Diamond Composite Electrodes. Electrochimica Acta, 2015, 169, 46-51.	2.6	11
122	A review of different solvents, mass transfer, and hydrodynamics for postcombustion CO ₂ capture. Reviews in Chemical Engineering, 2015, 31, .	2.3	43
123	Anodic Degradation of 2-Chlorophenol by Carbon Black Diamond and Activated Carbon Composite Electrodes. Electrochimica Acta, 2015, 180, 22-28.	2.6	20
124	Catalytic esterification of bioglycerol to value-added products. Reviews in Chemical Engineering, 2015, 31, .	2.3	29
125	On-line CO, CO ₂ emissions evaluation and (benzene, toluene, xylene) determination from experimental burn of tropical biomass. Journal of Environmental Sciences, 2015, 33, 239-244.	3.2	8
126	Fabrication modeling of industrial CO ₂ ionic liquids absorber by artificial neural networks. Journal of Industrial and Engineering Chemistry, 2015, 25, 168-175.	2.9	18

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127	Preparation and characterization of carbon black diamond composite electrodes for anodic degradation of phenol. <i>Electrochimica Acta</i> , 2015, 153, 379-384.	2.6	19
128	Selected physical properties of binary mixtures of crude glycerol and methanol at various temperatures. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1039-1043.	2.9	21
129	Practical performance analysis of an industrial-scale ultrafiltration membrane water treatment plant. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 46, 132-139.	2.7	32
130	Removal of heavy metal ions from mixed solutions via polymer-enhanced ultrafiltration using starch as a water-soluble biopolymer. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 359-367.	1.3	18
131	A review: Conversion of bioglycerol into 1,3-propanediol via biological and chemical method. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 963-972.	8.2	155
132	Progress, prospect and challenges in glycerol purification process: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1164-1173.	8.2	201
133	Low pressure solubilities of CO ₂ in guanidinium trifluoromethanesulfonate-MDEA systems. <i>Fluid Phase Equilibria</i> , 2015, 385, 79-91.	1.4	23
134	Impact of in situ physical and chemical cleaning on PVDF membrane properties and performances. <i>Chemical Engineering Science</i> , 2015, 122, 426-435.	1.9	103
135	Removal of zinc and lead ions by polymer-enhanced ultrafiltration using unmodified starch as novel binding polymer. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 1825-1834.	1.8	20
136	A New Electrochemical Sensor Based on Task-Specific Ionic Liquids-Modified Palm Shell Activated Carbon for the Determination of Mercury in Water Samples. <i>Sensors</i> , 2014, 14, 13102-13113.	2.1	19
137	Unmodified starch as water-soluble binding polymer for chromium ions removal via polymer enhanced ultrafiltration system. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 61.	1.4	13
138	Cadmium (II)-selective electrode based on palm shell activated carbon modified with task-specific ionic liquid: kinetics and analytical applications. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1115-1126.	1.8	11
139	Kinetic study of lipase catalyzed transesterification of jatropha oil in circulated batch packed bed reactor. <i>Chemical Engineering Journal</i> , 2014, 237, 123-130.	6.6	30
140	Effects of operational parameters on the treatment of nitrate-rich wastewater by autohydrogenotrophic denitrifying bacteria. <i>Water and Environment Journal</i> , 2014, 28, 556-565.	1.0	10
141	Prospective applications of renewable energy based electrochemical systems in wastewater treatment: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 38, 36-46.	8.2	75
142	A review on the performance of glycerol carbonate production via catalytic transesterification: Effects of influencing parameters. <i>Energy Conversion and Management</i> , 2014, 88, 484-497.	4.4	151
143	Removal of residual palm oil-based biodiesel catalyst using membrane ultra-filtration technique: An optimization study. <i>AJ - Alexandria Engineering Journal</i> , 2014, 53, 705-715.	3.4	21
144	Density, Surface Tension, and Viscosity of Ionic Liquids (1-Ethyl-3-methylimidazolium diethylphosphate) <i>Chemical & Engineering Data</i> , 2014, 59, 1737-1746.	1.0	35

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145	An evaluation of Moringa peregrina seeds as a source for bio-fuel. <i>Industrial Crops and Products</i> , 2014, 61, 49-61.	2.5	59
146	Vapor pressure of aqueous methyldiethanolamine mixed with ionic liquids. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 380-386.	2.7	16
147	Physical properties of aqueous mixtures of N-methyldiethanolamine (MDEA) and ionic liquids. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3349-3355.	2.9	34
148	Palm shell activated carbon impregnated with task-specific ionic-liquids as a novel adsorbent for the removal of mercury from contaminated water. <i>Chemical Engineering Journal</i> , 2013, 225, 306-314.	6.6	108
149	Glycerol production and its applications as a raw material: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 118-127.	8.2	511
150	Reactive extraction of solid coconut waste to produce biodiesel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 233-238.	2.7	44
151	Effects of Alkaline Environments at Mild Conditions on the Stability of PVDF Membrane: An Experimental Study. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15874-15882.	1.8	105
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