

# Kailas L Wasewar

## List of Publications by Year in descending order

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189  
papers

5,758  
citations

50244

46  
h-index

102432

66  
g-index

197  
all docs

197  
docs citations

197  
times ranked

4211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fermentation of Glucose to Lactic Acid Coupled with Reactive Extraction: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 5969-5982.	1.8	222
2	Reactive extraction of lactic acid using alamine 336 in MIBK: equilibria and kinetics. <i>Journal of Biotechnology</i> , 2002, 97, 59-68.	1.9	152
3	Influence of CuO nanoparticles in enhancing the thermal conductivity of water and monoethylene glycol based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 665-669.	2.9	135
4	Removal of lead, zinc and iron by coagulation-flocculation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 809-815.	2.7	133
5	Oil field effluent water treatment for safe disposal by electroflotation. <i>Chemical Engineering Journal</i> , 2008, 137, 503-509.	6.6	121
6	Effect of sonication time on enhancement of effective thermal conductivity of nano TiO <sub>2</sub> -water, ethylene glycol, and paraffin oil nanofluids and models comparisons. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 310-322.	1.3	109
7	Synthesis, characterization and application of 1-butyl-3-methylimidazolium tetrafluoroborate for extractive desulfurization of liquid fuel. <i>Arabian Journal of Chemistry</i> , 2016, 9, 578-587.	2.3	109
8	Equilibria and kinetics for reactive extraction of lactic acid using Alamine 336 in decanol. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1068-1075.	1.6	108
9	Intensification of enzymatic conversion of glucose to lactic acid by reactive extraction. <i>Chemical Engineering Science</i> , 2003, 58, 3385-3393.	1.9	107
10	Comparative study of different waste biomass for energy application. <i>Waste Management</i> , 2016, 47, 40-45.	3.7	107
11	Batch adsorption of zinc on tea factory waste. <i>Desalination</i> , 2009, 244, 66-71.	4.0	98
12	Experimental investigations and theoretical determination of thermal conductivity and viscosity of TiO <sub>2</sub> -ethylene glycol nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2016, 73, 54-61.	2.9	98
13	Synthesis, Characterization and Application of 1-Butyl-3 Methylimidazolium Chloride as Green Material for Extractive Desulfurization of Liquid Fuel. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	0.8	93
14	Removal of fluoride from aqueous solution by using bael ( <i>Aegle marmelos</i> ) shell activated carbon: Kinetic, equilibrium and thermodynamic study. <i>Journal of Fluorine Chemistry</i> , 2017, 194, 23-32.	0.9	88
15	Extraction of propionic acid with tri-n-octyl amine in different diluents. <i>Separation and Purification Technology</i> , 2008, 63, 179-183.	3.9	87
16	Heat transfer study on concentric tube heat exchanger using TiO <sub>2</sub> -water based nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 163-169.	2.9	87
17	Multi-objective optimization of indoor air quality control and energy consumption minimization in a subway ventilation system. <i>Energy and Buildings</i> , 2013, 66, 553-561.	3.1	84
18	Extraction of Propionic Acid Using Different Extractants (Tri-n-butylphosphate,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (Tri-6192-6196.</i>	1.8	81

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19	Equilibrium Studies for Extraction of Propionic Acid Using Tri-n-Butyl Phosphate in Different Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1424-1430.	1.0	79
20	Extraction of Acrylic, Propionic, and Butyric Acid Using Aliquat 336 in Oleyl Alcohol: Equilibria and Effect of Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 888-893.	1.8	78
21	Synthesis, characterization, and application of novel trihexyl tetradecyl phosphonium bis (2,4,4-trimethylpentyl) phosphinate for extractive desulfurization of liquid fuel. <i>Fuel Processing Technology</i> , 2014, 123, 1-10.	3.7	77
22	Study on concentric tube heat exchanger heat transfer performance using Al <sub>2</sub> O <sub>3</sub> water based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013, 49, 60-68.	2.9	75
23	Reactive Extraction of Itaconic Acid Using Quaternary Amine Aliquat 336 in Ethyl Acetate, Toluene, Hexane, and Kerosene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 1003-1011.	1.8	68
24	Reactive extraction of itaconic acid using tri-n-butyl phosphate and aliquat 336 in sunflower oil as a non-toxic diluent. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 319-323.	1.6	67
25	Water to Nanofluids Heat Transfer in Concentric Tube Heat Exchanger: Experimental Study. <i>Procedia Engineering</i> , 2013, 51, 318-323.	1.2	67
26	Status of adsorptive removal of dye from textile industry effluent. <i>Desalination and Water Treatment</i> , 2012, 50, 226-244.	1.0	66
27	Back extraction of propionic acid from loaded organic phase. <i>Chemical Engineering Science</i> , 2010, 65, 2751-2757.	1.9	64
28	Adsorption kinetics, thermodynamics, and equilibrium of $\beta$ -toluic acid onto calcium peroxide nanoparticles. <i>Advanced Powder Technology</i> , 2016, 27, 2112-2120.	2.0	62
29	Treatment of alumina refinery waste (red mud) through neutralization techniques: A review. <i>Waste Management and Research</i> , 2017, 35, 563-580.	2.2	62
30	Removal of Selenium by Adsorption onto Granular Activated Carbon (GAC) and Powdered Activated Carbon (PAC). <i>Clean - Soil, Air, Water</i> , 2009, 37, 872-883.	0.7	60
31	Reactive Extraction of Levulinic Acid by Amberlite LA-2 Extractant. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 712-718.	1.0	60
32	Removal of fluoride from aqueous solution: status and techniques. <i>Desalination and Water Treatment</i> , 2013, 51, 3233-3247.	1.0	60
33	Recovery of propionic acid from aqueous phase by reactive extraction using quaternary amine (Aliquat 336) in various diluents. <i>Chemical Engineering Journal</i> , 2009, 152, 95-102.	6.6	58
34	Intensification of Nicotinic Acid Separation using Organophosphorous Solvating Extractants by Reactive Extraction. <i>Chemical Engineering and Technology</i> , 2008, 31, 1584-1590.	0.9	57
35	Intensification of enzymatic hydrolysis of penicillin G: Part 1. Equilibria and kinetics of extraction of phenyl acetic acid by Alamine 336. <i>Chemical Engineering Science</i> , 2002, 57, 1979-1984.	1.9	56
36	Reactive extraction of picolinic and nicotinic acid by natural non-toxic solvent. <i>Separation and Purification Technology</i> , 2013, 120, 296-303.	3.9	56

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37	Adsorption of Zinc using Tea Factory Waste: Kinetics, Equilibrium and Thermodynamics. <i>Clean - Soil, Air, Water</i> , 2008, 36, 320-329.	0.7	55
38	Reactive Extraction of Acrylic Acid Using Tri- <i>n</i> -butyl Phosphate in Different Diluents. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 1782-1786.	1.0	55
39	Thermo-Physical Characterization of Paraffin based Fe <sub>3</sub> O <sub>4</sub> Nanofluids. <i>Procedia Engineering</i> , 2013, 51, 342-346.	1.2	53
40	REACTIVE EXTRACTION OF PROPIONIC ACID USING TRI- <i>n</i> -OCTYLAMINE. <i>Chemical Engineering Communications</i> , 2009, 197, 606-626.	1.5	52
41	Reactive Extraction of Citric Acid Using Tri- <i>n</i> -octylamine in Nontoxic Natural Diluents: Part 1—Equilibrium Studies from Aqueous Solutions. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 197-213.	1.4	51
42	Effect of binary extractants and modifier-diluents systems on equilibria of propionic acid extraction. <i>Fluid Phase Equilibria</i> , 2009, 275, 21-26.	1.4	50
43	Reactive extraction of propionic acid using tri- <i>n</i> -octylamine, tri- <i>n</i> -butyl phosphate and Aliquat 336 in sunflower oil as diluent. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 484-489.	1.6	49
44	Natural Nontoxic Solvents for Recovery of Picolinic Acid by Reactive Extraction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13526-13537.	1.8	49
45	Feasibility of red mud neutralization with seawater using Taguchi's methodology. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 305-314.	1.8	49
46	Recovery of propionic acid from an aqueous stream by reactive extraction: effect of diluents. <i>Desalination</i> , 2009, 244, 12-23.	4.0	48
47	Reactive Extraction of Caproic Acid Using Tri- <i>n</i> -butyl Phosphate in Hexanol, Octanol, and Decanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 288-297.	1.0	48
48	Adsorption of Selenium Using Bagasse Fly Ash. <i>Clean - Soil, Air, Water</i> , 2009, 37, 534-543.	0.7	47
49	Reactive Extraction of Phenylacetic Acid with Tri- <i>n</i> -butyl Phosphate in Benzene, Hexanol, and Rice Bran Oil at 298 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 3240-3248.	1.0	47
50	Extractive Desulfurization of Liquid Fuels by Energy Efficient Green Thiazolium based Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 19845-19854.	1.8	46
51	Effect of Temperature on Reactive Extraction of Gallic Acid Using Tri- <i>n</i> -butyl Phosphate, Tri- <i>n</i> -octylamine and Aliquat 336. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3217-3224.	1.0	45
52	Esterification of lactic acid with ethanol in a pervaporation reactor: modeling and performance study. <i>Desalination</i> , 2009, 243, 305-313.	4.0	43
53	Intensification of conversion of glucose to lactic acid: equilibria and kinetics for back extraction of lactic acid using trimethylamine. <i>Chemical Engineering Science</i> , 2004, 59, 2315-2320.	1.9	42
54	Extraction of Caproic Acid Using Tri- <i>n</i> -butyl Phosphate in Benzene and Toluene at 301 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 4121-4125.	1.0	41

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55	Design of experiments for Malachite Green dye removal from wastewater using thermolysis “coagulation” flocculation. <i>Desalination and Water Treatment</i> , 2012, 40, 260-271.	1.0	41
56	Biomass Residue Briquetting and Characterization. <i>Journal of Energy Engineering - ASCE</i> , 2011, 137, 108-114.	1.0	39
57	Equilibrium for the Reactive Extraction of Caproic Acid Using Tri- <i>n</i> -butyl Phosphate in Methyl Isobutyl Ketone and Xylene. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 3318-3322.	1.0	36
58	Imidazolium ionic liquid as energy efficient solvent for desulfurization of liquid fuel. <i>Separation and Purification Technology</i> , 2015, 155, 101-109.	3.9	36
59	Reactive extraction of gallic acid with tri- <i>n</i> -caprylamine. <i>New Journal of Chemistry</i> , 2016, 40, 2413-2417.	1.4	35
60	Removal of Fluoride from Aqueous Solution by Using Low-Cost Sugarcane Bagasse: Kinetic Study and Equilibrium Isotherm Analyses. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2016, 20, .	1.2	35
61	Investigation of Solar Drying of Ginger ( <i>Zingiber officinale</i> ): Empirical Modelling, Drying Characteristics, and Quality Study. <i>Chinese Journal of Engineering</i> , 2014, 2014, 1-7.	1.0	34
62	Reactive extraction of acrylic acid with tri- <i>n</i> -butyl phosphate in natural oils. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2825-2834.	1.6	34
63	Experimental and modeling of reactive separation of protocatechuic acid. <i>Chemical Engineering Research and Design</i> , 2018, 132, 593-605.	2.7	34
64	CFD Modelling and Simulation of Jet Mixed Tanks. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2008, 2, 155-171.	1.5	32
65	Optimization for benzenecetic acid removal from aqueous solution using CaO 2 nanoparticles based on Taguchi method. <i>Journal of Applied Research and Technology</i> , 2017, 15, 332-339.	0.6	32
66	Reactive separation of protocatechuic acid using Tri- <i>n</i> -octyl amine and Di-(2-ethylhexyl) phosphoric acid in Methyl isobutyl ketone. <i>Separation and Purification Technology</i> , 2018, 207, 99-107.	3.9	32
67	Adsorption of Cadmium Ions from Aqueous Solution Using Granular Activated Carbon and Activated Clay. <i>Clean - Soil, Air, Water</i> , 2010, 38, 649-656.	0.7	31
68	Extractive Deep Desulfurization of Liquid Fuels Using Lewis-Based Ionic Liquids. <i>Journal of Energy</i> , 2013, 2013, 1-4.	1.4	30
69	Comparative Study of the Mechanical and Thermal Properties of Polyamide-66 Filled with Commercial and Nano-Mg(OH) <sub>2</sub> Particles. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 474-480.	1.9	29
70	L(+)-tartaric Acid Separations Using Aliquat 336 in <i>n</i> -Heptane, Kerosene, and 1-Octanol at 300 ± 1 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 4047-4063.	1.0	29
71	Reactive Extraction as an Intensifying Approach for the Recovery of Organic Acids from Aqueous Solution: A Comprehensive Review on Experimental and Theoretical Studies. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 1557-1573.	1.0	29
72	Extraction of propionic acid from model solutions: Effect of pH, salts, substrate, and temperature. <i>AIChE Journal</i> , 2009, 55, 1705-1711.	1.8	28

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73	Reactive Extraction of Benzoic Acid and Pyridine-3-Carboxylic Acid Using Organophosphoric and Aminic Extractant Dissolved in Binary Diluent Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 3367-3375.	1.0	28
74	Reactive extraction: a promising approach to separate protocatechuic acid. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27345-27357.	2.7	28
75	Deep Removal of Sulfur from Model Liquid Fuels using 1-Butyl-3-Methylimidazolium Chloride. <i>Procedia Engineering</i> , 2013, 51, 416-422.	1.2	27
76	Reactive Extraction: An Intensifying Approach for Carboxylic Acid Separation. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2012, , 249-255.	0.3	26
77	Separation of Protocatechuic Acid Using Di-(2-ethylhexyl)phosphoric Acid in Isobutyl Acetate, Toluene, and Petroleum Ether. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 587-597.	1.0	25
78	Effect of aluminum nanoparticles on rheological behavior of HTPB-based composite rocket propellant. <i>Journal of Energetic Materials</i> , 2019, 37, 125-140.	1.0	24
79	Extractive separation of levulinic acid using natural and chemical solvents. <i>Chemical Data Collections</i> , 2020, 28, 100417.	1.1	23
80	Effect of temperature on equilibria for physical and reactive extraction of protocatechuic acid. <i>Heliyon</i> , 2020, 6, e03664.	1.4	23
81	Synthesis, characterization, and application of 1-butyl-3-methylimidazolium thiocyanate for extractive desulfurization of liquid fuel. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9284-9294.	2.7	22
82	Development of nanohybrid adsorbent for defluoridation from aqueous systems. <i>Chemosphere</i> , 2017, 188, 354-366.	4.2	22
83	Experimental Study on Reactive Extraction of Malonic Acid with Validation by Fourier Transform Infrared Spectroscopy. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 1072-1084.	1.0	22
84	Ionic Liquids: - The Novel Solvent for Removal of Dibenzothiophene from Liquid Fuel. <i>Procedia Engineering</i> , 2013, 51, 314-317.	1.2	21
85	Adsorption of $\hat{\pm}$ -toluic acid by calcium peroxide nanoparticles. <i>Desalination and Water Treatment</i> , 2016, 57, 16507-16513.	1.0	21
86	Synthesis of cenosphere supported heterogeneous catalyst and its performance in esterification reaction. <i>Chemical Engineering Communications</i> , 2018, 205, 238-248.	1.5	21
87	Recovery of propionic acid by reactive extraction - 1. Equilibrium, effect of pH and temperature, water coextraction. <i>Desalination and Water Treatment</i> , 2009, 3, 91-98.	1.0	20
88	Extractive separation of protocatechuic acid using natural non-toxic solvents and conventional solvents. <i>Chemical Data Collections</i> , 2018, 15-16, 244-253.	1.1	20
89	Doped graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) catalysts for efficient photodegradation of tetracycline antibiotics in aquatic environments. <i>Environmental Science and Pollution Research</i> , 2023, 30, 24919-24926.	2.7	20
90	Coupling of in-situ pervaporation for the enhanced esterification of propionic acid with isobutyl alcohol over cenosphere based catalyst. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 119, 16-24.	1.8	19

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91	Separation of Protocatechuic Acid Using Tri- <i>n</i> -Octylamine: Experimental and Mathematical Investigation. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 1101-1112.	1.0	19
92	Equilibrium Study for Reactive Extraction of Caproic Acid in Mibk and Xylene. <i>Engineering</i> , 2011, 03, 829-835.	0.4	19
93	Neutralization of red mud with pickling waste liquor using Taguchi's design of experimental methodology. <i>Waste Management and Research</i> , 2012, 30, 922-930.	2.2	18
94	Enhancement of Esterification Reaction by Pervaporation Reactor: An Intensifying Approach. <i>Procedia Engineering</i> , 2013, 51, 330-334.	1.2	18
95	Adsorption of lead from aqueous solution onto coir-pith activated carbon. <i>Desalination and Water Treatment</i> , 2013, 51, 2529-2535.	1.0	18
96	Effect of Ethyl Oleate Pretreatment on Drying of Ginger: Characteristics and Mathematical Modelling. <i>Journal of Chemistry</i> , 2013, 2013, 1-6.	0.9	18
97	An Alternative to Clay in Building Materials: Red Mud Sintering Using Fly Ash via Taguchi's Methodology. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-7.	1.0	18
98	Modeling and Optimization of Reactive Extraction of Gallic Acid Using RSM. <i>Chemical Engineering Communications</i> , 2017, 204, 522-528.	1.5	18
99	Adsorption performance of packed bed column for benzylformic acid removal using CaO <sub>2</sub> nanoparticles. <i>Chemical Data Collections</i> , 2019, 23, 100267.	1.1	18
100	Intensification of Esterification Reaction of Lactic Acid with Iso-propanol using Pervaporation Reactor. <i>Procedia Engineering</i> , 2013, 51, 456-460.	1.2	16
101	Extractive Separation of Benzylformic Acid with Phosphoric Acid Tributyl Ester in CCl <sub>4</sub> , Decanol, Kerosene, Toluene, and Xylene at 298 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 1014-1022.	1.0	16
102	Fenton oxidation of carpet dyeing wastewater for removal of COD and color. <i>Desalination and Water Treatment</i> , 2011, 28, 260-264.	1.0	15
103	Sequestration of carbon dioxide in red mud. <i>Desalination and Water Treatment</i> , 2013, 51, 2185-2192.	1.0	15
104	Modeling the adsorption of benzeneacetic acid on CaO <sub>2</sub> nanoparticles using artificial neural network. <i>Resource-efficient Technologies</i> , 2016, 2, S53-S62.	0.1	15
105	Efficacy of tri- <i>n</i> -octylamine, tri- <i>n</i> -butyl phosphate and di-(2-ethylhexyl) phosphoric acid for reactive separation of protocatechuic acid. <i>Separation Science and Technology</i> , 2019, 54, 3100-3114.	1.3	15
106	Investigations of biocompatible systems for reactive extraction of propionic acid using aminic extractants (TOA and Aliquat 336). <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 1252-1260.	1.4	14
107	Periodic Local Multi-way Analysis and Monitoring of Indoor Air Quality in a Subway System Considering the Weekly Effect. <i>Indoor and Built Environment</i> , 2013, 22, 77-93.	1.5	14
108	Relative basicity approach for separation of $\beta$ -toluic acid with triglycerides of fatty acids by reactive extraction. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 240-247.	2.9	14

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109	A step forward in the development of in situ product recovery by reactive separation of protocatechuic acid. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 78-89.	1.9	14
110	Separation of Levulinic Acid by Reaction with Tri- <i>n</i> -butylphosphate Diluted in Nontoxic Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 3002-3007.	1.0	13
111	Experimental perspective for reactive separation of malonic acid using TBP in natural non-toxic solvents. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 91, 273-284.	2.9	12
112	Central Composite Design Approach for Optimization of Levulinic Acid Separation by Reactive Components. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 13692-13700.	1.8	12
113	Progress and prospective of heterogeneous catalysts for H <sub>2</sub> O <sub>2</sub> production via anthraquinone process. <i>Environmental Science and Pollution Research</i> , 2022, 29, 86468-86484.	2.7	12
114	Reactive Separation of Benzeneacetic Acid with Tri- <i>n</i> -caprylyl Amine: Equilibrium and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 2335-2345.	1.0	11
115	Comparative Study on Reactive Extraction of Picolinic Acid with Six Different Extractants (Phosphoric and Aminic) in Two Different Diluents (Benzene and Decan-1-ol). <i>Separation Science and Technology</i> , 2012, 47, 997-1005.	1.3	10
116	Enhancement of Esterification of Propionic Acid with Isopropyl Alcohol by Pervaporation Reactor. <i>Journal of Chemistry</i> , 2014, 2014, 1-4.	0.9	10
117	FeCl <sub>3</sub> Based Imidazolium Ionic Liquids as Novel Solvents for Extractive Oxidative Desulfurization of Liquid Fuels. <i>Journal of Solution Chemistry</i> , 2015, 44, 652-668.	0.6	10
118	Process intensification of esterification reaction for the production of propyl butyrate by pervaporation. <i>Resource-efficient Technologies</i> , 2017, 3, 88-93.	0.1	10
119	Optimization of adsorptive removal of $\beta$ -toluic acid by CaO 2 nanoparticles using response surface methodology. <i>Resource-efficient Technologies</i> , 2017, 3, 329-336.	0.1	10
120	Modeling and Optimization of Reactive Extraction of Isonicotinic Acid Using Tri- <i>n</i> -octylamine in Biocompatible Diluents Mixture: Response Surface Methodology and Regeneration of Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 12485-12493.	1.8	10
121	Nonisothermal Mathematical Model for Performance Evaluation of Passive Direct Methanol Fuel Cells. <i>Journal of Energy Engineering - ASCE</i> , 2013, 139, 266-274.	1.0	9
122	Experimental investigation on extractive separation of vanillic acid. <i>Chemical Data Collections</i> , 2020, 30, 100564.	1.1	9
123	Butanol recovery using ionic liquids as green solvents. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 873-884.	1.6	9
124	Separation of Organic and Inorganic Compounds for Specific Applications. <i>Journal of Chemistry</i> , 2015, 2015, 1-3.	0.9	8
125	Kinetic study of liquid phase esterification of lactic acid with <i>n</i> -amyl alcohol catalyzed by cation exchange resins: experimental and statistical modeling. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 535-554.	0.8	8
126	Kinetics, mass transfer, and thermodynamic and statistical modeling study for esterification of valeric acid with <i>n</i> -butanol: Homogeneous and heterogeneous catalysis. <i>International Journal of Chemical Kinetics</i> , 2018, 50, 710-725.	1.0	8



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127	Rheological and wall-slip behaviour of composite propellant suspension containing Al-nanopowder. <i>Journal of Energetic Materials</i> , 2018, 36, 468-484.	1.0	8
128	Influence of the addition of aluminium nanoparticles on thermo-rheological properties of hydroxyl-terminated polybutadiene-based composite propellant and empirical modelling. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 211-223.	2.0	8
129	Separation of Butanol Using Tetradecyl(trihexyl)phosphonium Bis(2,4,4-trimethylpentyl)phosphinate, Oleyl Alcohol, and Castor Oil. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 5079-5088.	1.0	7
130	Pervaporation-Assisted Esterification of Caproic Acid with Isobutanol in Conventional, In Situ, and Ex Situ Reactors. <i>Chemical Engineering and Technology</i> , 2019, 42, 1002-1010.	0.9	7
131	Experimental investigation using conventional and natural extractants for liquid-liquid extraction of glutaric acid. <i>Chemical Data Collections</i> , 2022, 37, 100790.	1.1	7
132	A real-time simulating non-isothermal mathematical model for the passive feed direct methanol fuel cell. <i>International Journal of Green Energy</i> , 2016, 13, 213-228.	2.1	6
133	Response Surface Optimization and Kinetics of Isopropyl Palmitate Synthesis using Homogeneous Acid Catalyst. <i>International Journal of Chemical Reactor Engineering</i> , 2017, 15, .	0.6	6
134	Separation of phenylacetic acid using tri-n-butyl phosphate in hexanol: Equilibrium and kinetics. <i>Separation Science and Technology</i> , 2017, , 1-8.	1.3	6
135	Recovery of Glutaric Acid Using Tri-N-Butyl Phosphate: Effect of Diluents and Temperature. <i>Journal of Chemical Engineering &amp; Process Technology</i> , 2017, 08, .	0.1	6
136	Experimental Investigation on Reactive Extraction of Vanillic Acid with the Help of Tri-n-butyl Phosphate in Various Diluents (Decanol, Kerosene, and Soybean Oil) at a Constant Room Temperature of 298.15 ± 1 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 999-1010.	1.0	6
137	Optimization and experimental design by response surface method for reactive extraction of glutaric acid. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 511-520.	0.6	6
138	Reactive Extraction of Caproic Acid using Tri-n- Butyl Phosphate (TBP) in Non Toxic Diluents. <i>International Journal of ChemTech Research</i> , 2018, 11, 56-62.	0.1	6
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