

Marcos LÃºcio Corazza

List of Publications by Year in descending order

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205
papers

4,593
citations

117625

34
h-index

182427

51
g-index

206
all docs

206
docs citations

206
times ranked

4121
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of <i>Origanum majorana</i> L. essential oil as an antimicrobial agent in sausage. <i>Food Microbiology</i> , 2008, 25, 207-211.	4.2	166
2	Solubility of carbon dioxide in binary and ternary mixtures with ethanol and water. <i>Fluid Phase Equilibria</i> , 2006, 245, 193-200.	2.5	144
3	Continuous Production of Fatty Acid Ethyl Esters from Soybean Oil in Compressed Ethanol. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 5304-5309.	3.7	113
4	Supercritical CO ₂ extracts and essential oil of ginger (<i>Zingiber officinale</i> R.): Chemical composition and antibacterial activity. <i>Journal of Supercritical Fluids</i> , 2013, 80, 44-49.	3.2	109
5	Precipitation of β -carotene and PHBV and co-precipitation from SEDS technique using supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2008, 47, 259-269.	3.2	99
6	Assessment of subcritical propane, ultrasound-assisted and Soxhlet extraction of oil from sweet passion fruit (<i>Passiflora alata</i> Curtis) seeds. <i>Journal of Supercritical Fluids</i> , 2017, 128, 338-348.	3.2	89
7	Continuous Production of Biodiesel from Soybean Oil in Supercritical Ethanol and Carbon Dioxide as Cosolvent. <i>Energy & Fuels</i> , 2009, 23, 5165-5172.	5.1	77
8	Supercritical Fluids: A Promising Technique for Biomass Pretreatment and Fractionation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 252.	4.1	75
9	Application of stochastic algorithms for parameter estimation in the liquid-liquid phase equilibrium modeling. <i>Fluid Phase Equilibria</i> , 2009, 280, 110-119.	2.5	74
10	Ginger (<i>Zingiber officinale</i> R.) extracts obtained using supercritical CO ₂ and compressed propane: Kinetics and antioxidant activity evaluation. <i>Journal of Supercritical Fluids</i> , 2012, 71, 102-109.	3.2	69
11	Assessment of subcritical propane, supercritical CO ₂ and Soxhlet extraction of oil from sapucaia (<i>Lecythis pisonis</i>) nuts. <i>Journal of Supercritical Fluids</i> , 2018, 133, 122-132.	3.2	64
12	Phase equilibrium data and thermodynamic modeling of the system (CO ₂ +biodiesel+methanol) at high pressures. <i>Journal of Chemical Thermodynamics</i> , 2012, 44, 57-65.	2.0	54
13	Low-cost sensors developed on paper by line patterning with graphite and polyaniline coating with supercritical CO ₂ . <i>Synthetic Metals</i> , 2009, 159, 2329-2332.	3.9	52
14	Extraction of baru (<i>Dipteryx alata</i> vogel) seed oil using compressed solvents technology. <i>Journal of Supercritical Fluids</i> , 2018, 137, 23-33.	3.2	50
15	High-pressure phase equilibria of systems carbon dioxide+n-eicosane and propane+n-eicosane. <i>Journal of Supercritical Fluids</i> , 2009, 50, 193-202.	3.2	49
16	Kinetics of Solvent-Free Lipase-Catalyzed Glycerolysis of Olive Oil in Surfactant System. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8350-8356.	5.2	49
17	Extraction of soybean oil using ethanol and mixtures with alkyl esters (biodiesel) as co-solvent: Kinetics and thermodynamics. <i>Industrial Crops and Products</i> , 2015, 74, 69-75.	5.2	49
18	Extraction of inflorescences of <i>Musa paradisiaca</i> L. using supercritical CO ₂ and compressed propane. <i>Journal of Supercritical Fluids</i> , 2016, 113, 128-135.	3.2	48

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19	Kinetic modeling of lipase-catalyzed glycerolysis of olive oil. <i>Biochemical Engineering Journal</i> , 2011, 56, 107-115.	3.6	47
20	Fractionation of citronella (<i>Cymbopogon winterianus</i>) essential oil and concentrated orange oil phase by batch vacuum distillation. <i>Journal of Food Engineering</i> , 2011, 102, 348-354.	5.2	47
21	Study of the phase equilibrium formed inside the flash tank used at the separation step of a supercritical fluid extraction unit. <i>Journal of Supercritical Fluids</i> , 2008, 43, 447-459.	3.2	45
22	High-Pressure Vapor-Liquid Equilibrium Data for Systems Involving Carbon Dioxide + Organic Solvent + β -Carotene. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1437-1441.	1.9	44
23	Phase equilibrium data of the system CO ₂ +glycerol+methanol at high pressures. <i>Journal of Supercritical Fluids</i> , 2011, 59, 1-7.	3.2	44
24	(Vapor + liquid) equilibrium for the binary systems {water + glycerol} and {ethanol + glycerol, ethyl stearate, and ethyl palmitate} at low pressures. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1870-1876.	2.0	44
25	Kinetics, composition and biological activity of Eupatorium intermedium flower extracts obtained from scCO ₂ and compressed propane. <i>Journal of Supercritical Fluids</i> , 2015, 97, 145-153.	3.2	44
26	Extraction of <i>Acutodesmus obliquus</i> lipids using a mixture of ethanol and hexane as solvent. <i>Biomass and Bioenergy</i> , 2018, 108, 470-478.	5.7	43
27	Separation of n-butane from soybean oil mixtures using membrane processes. <i>Journal of Membrane Science</i> , 2009, 333, 141-146.	8.2	42
28	High-pressure phase equilibrium data for systems with carbon dioxide, α -humulene and trans-caryophyllene. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 130-137.	2.0	42
29	Phase Equilibrium Measurements for the System Clove (<i>Eugenia caryophyllus</i>) Oil + CO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 352-356.	1.9	41
30	Thermophysical properties of biodiesel and related systems: (Liquid + liquid) equilibrium data for soybean biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 83-94.	2.0	40
31	Supercritical carbon dioxide combined with 1-butyl-3-methylimidazolium acetate and ethanol for the pretreatment and enzymatic hydrolysis of sugarcane bagasse. <i>Bioresource Technology</i> , 2015, 192, 389-396.	9.6	40
32	Effect of Extraction Process on Composition, Antioxidant and Antibacterial Activity of Oil from Yellow Passion Fruit (<i>Passiflora edulis</i> Var. <i>Flavicarpa</i>) Seeds. <i>Waste and Biomass Valorization</i> , 2019, 10, 2611-2625.	3.4	40
33	Phase behavior and process parameters effects on the characteristics of precipitated theophylline using carbon dioxide as antisolvent. <i>Journal of Supercritical Fluids</i> , 2008, 44, 8-20.	3.2	38
34	Enhanced extraction of spent coffee grounds oil using high-pressure CO ₂ plus ethanol solvents. <i>Industrial Crops and Products</i> , 2019, 141, 111723.	5.2	37
35	High Pressure Phase Equilibria of the Related Substances in the Limonene Oxidation in Supercritical CO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 354-358.	1.9	35
36	Phase behaviour of the ternary system {poly(ϵ -caprolactone)+carbon dioxide+dichloromethane}. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 229-233.	2.0	35

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37	Extraction of parboiled rice bran oil with supercritical CO ₂ and ethanol as co-solvent: Kinetics and characterization. <i>Industrial Crops and Products</i> , 2019, 139, 111506.	5.2	35
38	Phase behaviour of binary systems of lactones in carbon dioxide. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 48-53.	2.0	34
39	Kinetics of enzyme-catalyzed hydrolysis of steam-exploded sugarcane bagasse. <i>Bioresource Technology</i> , 2013, 147, 416-423.	9.6	34
40	Extraction of high value products from avocado waste biomass. <i>Journal of Supercritical Fluids</i> , 2020, 165, 104988.	3.2	34
41	Improvement of mono and diacylglycerol production <i>via</i> enzymatic glycerolysis in <i>tert</i> -butanol system. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, 921-927.	1.5	33
42	Extraction of <i>Arctium Lappa</i> leaves using supercritical CO ₂ +ethanol: Kinetics, chemical composition, and bioactivity assessments. <i>Journal of Supercritical Fluids</i> , 2018, 140, 137-146.	3.2	33
43	Effects of pressurized hot water extraction on the yield and chemical characterization of pectins from <i>Campomanesia xanthocarpa</i> Berg fruits. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 431-443.	7.5	33
44	LDH-catalyzed esterification of lauric acid with glycerol in solvent-free system. <i>Applied Catalysis A: General</i> , 2014, 475, 242-248.	4.3	32
45	Kinetics, composition and antioxidant activity of burdock (<i>Arctium lappa</i>) root extracts obtained with supercritical CO ₂ and co-solvent. <i>Journal of Supercritical Fluids</i> , 2018, 135, 25-33.	3.2	32
46	Ginger essential oil and supercritical extract as natural antioxidants in tilapia fish burger. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e13942.	2.0	32
47	Phase behaviour measurements for the system (carbon dioxide+biodiesel+ethanol) at high pressures. <i>Journal of Chemical Thermodynamics</i> , 2012, 47, 412-419.	2.0	31
48	Kinetics evaluation of the ethyl esterification of long chain fatty acids using commercial montmorillonite K10 as catalyst. <i>Fuel</i> , 2017, 193, 265-274.	6.4	31
49	A robust strategy for SVL equilibrium calculations at high pressures. <i>Fluid Phase Equilibria</i> , 2004, 221, 113-126.	2.5	30
50	Lipase-catalyzed production of monoglycerides in compressed propane and AOT surfactant. <i>Journal of Supercritical Fluids</i> , 2008, 47, 64-69.	3.2	30
51	Chemical profile and antimicrobial activity of Boldo (<i>Peumus boldus</i> Molina) extracts obtained by compressed carbon dioxide extraction. <i>Brazilian Journal of Chemical Engineering</i> , 2008, 25, 427-434.	1.3	29
52	Development of gas sensors coatings by polyaniline using pressurized fluid. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 627-633.	7.8	29
53	Kinetics of ultrasound-assisted lipase-catalyzed glycerolysis of olive oil in solvent-free system. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 440-451.	8.2	29
54	Effect of temperature and composition on density, viscosity and thermal conductivity of fatty acid methyl esters from soybean, castor and <i>Jatropha curcas</i> oils. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 460-466.	2.0	29

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55	Effect of grilling and baking on physicochemical and textural properties of tilapia (<i>Oreochromis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	29
56	A comparison among stochastic optimization algorithms for parameter estimation of biochemical kinetic models. <i>Applied Soft Computing Journal</i> , 2013, 13, 2205-2214.	7.2	28
57	Phase Behavior of the Reaction Medium of Limonene Oxidation in Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3150-3155.	3.7	27
58	Vapor-liquid and solid-fluid equilibrium for progesterone+CO ₂ , progesterone+propane, and progesterone+n-butane systems at elevated pressures. <i>Journal of Supercritical Fluids</i> , 2008, 45, 161-170.	3.2	27
59	PC-SAFT predictions of VLE and LLE of systems related to biodiesel production. <i>Fluid Phase Equilibria</i> , 2016, 416, 130-137.	2.5	27
60	Measurement of freezing point of tilapia fish burger using differential scanning calorimetry (DSC) and cooling curve method. <i>Journal of Food Engineering</i> , 2015, 161, 82-86.	5.2	26
61	Analysis of multiphase behavior during the ethyl esterification of fatty acids catalyzed by a fermented solid with lipolytic activity in a packed-bed bioreactor in a closed-loop batch system. <i>Fuel</i> , 2015, 159, 364-372.	6.4	26
62	High-pressure multiphase equilibria in the system glycerol+olive oil+propane+AOT. <i>Fluid Phase Equilibria</i> , 2006, 244, 128-136.	2.5	25
63	Enzymatic production of mono- and diglycerides in compressed n-butane and AOT surfactant. <i>Journal of Supercritical Fluids</i> , 2009, 49, 216-220.	3.2	25
64	Phase equilibrium measurements of ternary systems formed by linoleic and linolenic acids in carbon dioxide/ethanol mixtures. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1254-1258.	2.0	25
65	Phase equilibrium measurements and modelling of ternary system (carbon dioxide+ethanol+palmitic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	25
66	Phase behavior measurement for the system CO ₂ +glycerol+ethanol at high pressures. <i>Journal of Supercritical Fluids</i> , 2012, 62, 41-46.	3.2	25
67	Thermophysical properties of biodiesel and related systems. Part I. Vapour-liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 398-404.	2.0	25
68	Kinetics of non-catalytic and ZnL ₂ -catalyzed esterification of lauric acid with ethanol. <i>Fuel</i> , 2014, 117, 125-132.	6.4	25
69	Application of molecular modeling to the vapor-liquid equilibrium of alkyl esters (biodiesel) and alcohols systems. <i>Fuel</i> , 2015, 161, 34-42.	6.4	25
70	Esterification of fatty acids with ethanol over layered zinc laurate and zinc stearate - Kinetic modeling. <i>Fuel</i> , 2015, 153, 445-454.	6.4	25
71	Hydrogen production and TOC reduction from gasification of lactose by supercritical water. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12162-12168.	7.1	25
72	Extraction of <i>Synadenium grantii</i> Hook f. using conventional solvents and supercritical CO ₂ + ethanol. <i>Journal of Supercritical Fluids</i> , 2020, 160, 104796.	3.2	25

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73	Inulinase production in a batch bioreactor using agroindustrial residues as the substrate: experimental data and modeling. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 85-95.	3.4	24
74	Thermophysical properties of biodiesel and related systems: (Liquid + liquid) equilibrium data for <i>Jatropha curcas</i> biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 467-475.	2.0	24
75	LLE for the systems ethyl palmitate (palmitic acid)(1)+ethanol(2)+glycerol (water)(3). <i>Fluid Phase Equilibria</i> , 2013, 354, 147-155.	2.5	24
76	Liquid-liquid and vapor-liquid equilibrium data for biodiesel reaction-separation systems. <i>Fuel</i> , 2013, 108, 269-276.	6.4	24
77	Extraction of <i>Campomanesia xanthocarpa</i> fruit using supercritical CO ₂ and bioactivity assessments. <i>Journal of Supercritical Fluids</i> , 2015, 98, 79-85.	3.2	24
78	Liquid-liquid phase equilibrium measurements and modeling for systems involving {soybean oil + ethyl esters + (ethanol + water)}. <i>Fuel</i> , 2015, 141, 164-172.	6.4	24
79	Assessment of composition and biological activity of <i>Arctium lappa</i> leaves extracts obtained with pressurized liquid and supercritical CO ₂ extraction. <i>Journal of Supercritical Fluids</i> , 2019, 152, 104573.	3.2	24
80	Phase Behavior of Binary and Ternary Systems Involving Carbon Dioxide, Propane, and Glycidyl Methacrylate at High Pressure. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 686-690.	1.9	23
81	Kinetics of Solvent-Free Lipase-Catalyzed Production of Monoacylglycerols from Olive Oil in Aerosol-OT Surfactant. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 708-712.	3.7	23
82	Extraction of Kiwifruit Seed (<i>Actinidia Deliciosa</i>) Oil Using Compressed Propane. <i>Journal of Food Process Engineering</i> , 2016, 39, 335-344.	2.9	23
83	Extraction of citronella grass solutes with supercritical CO ₂ , compressed propane and ethanol as cosolvent: Kinetics modeling and total phenolic assessment. <i>Journal of Supercritical Fluids</i> , 2018, 137, 16-22.	3.2	23
84	InfluÃªncia da temperatura na solubilidade de beta-caroteno em solventes orgÃ¢nicos Ã pressÃ£o ambiente. <i>Food Science and Technology</i> , 2007, 27, 737-743.	1.7	22
85	Phase Behavior of the Reactant and Products of Cyclohexane Oxidation in Compressed CO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2050-2055.	1.9	22
86	Phase behavior of (CO ₂ +methanol+lauric acid) system. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1074-1082.	2.0	22
87	Lipid content and fatty acid profile of <i>Nannochloropsis oculata</i> before and after extraction with conventional solvents and/or compressed fluids. <i>Journal of Supercritical Fluids</i> , 2016, 108, 89-95.	3.2	22
88	High pressure extraction of olive leaves (<i>Olea europaea</i>): bioactive compounds, bioactivity and kinetic modelling. <i>Journal of Food Science and Technology</i> , 2019, 56, 3864-3876.	2.8	22
89	Wood and industrial residue of candeia (<i>Eremanthus erythropappus</i>): Supercritical CO ₂ oil extraction, composition, antioxidant activity and mathematical modeling. <i>Journal of Supercritical Fluids</i> , 2016, 114, 1-8.	3.2	21
90	Esterification of fatty acids with supercritical ethanol in a continuous tubular reactor. <i>Journal of Supercritical Fluids</i> , 2017, 126, 25-36.	3.2	21

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91	High-pressure phase equilibrium data for the (carbon dioxide + L-lactide + ethanol) system. Journal of Chemical Thermodynamics, 2015, 86, 37-42.	2.0	20
92	High-pressure phase equilibrium data for systems containing carbon dioxide, γ-pentadecalactone, chloroform and water. Journal of Chemical Thermodynamics, 2018, 122, 125-132.	2.0	19
93	Compressed fluids extraction methods, yields, antioxidant activities, total phenolics and flavonoids content for Brazilian Mantiqueira hops. Journal of Supercritical Fluids, 2021, 170, 105155.	3.2	19
94	Antioxidant activity and fatty acid profile of yacon leaves extracts obtained by supercritical CO ₂ + ethanol solvent. Journal of Supercritical Fluids, 2019, 146, 55-64.	3.2	18
95	Pressurized liquid extraction of brewer's spent grain: Kinetics and crude extracts characterization. Journal of Industrial and Engineering Chemistry, 2021, 102, 370-383.	5.8	18
96	Dynamic optimization of the mashing process. Food Control, 2009, 20, 1127-1140.	5.5	17
97	Influence of two different alcohols in the esterification of fatty acids over layered zinc stearate/palmitate. Bioresource Technology, 2015, 193, 337-344.	9.6	17
98	Phase stability analysis of liquid-liquid equilibrium with stochastic methods. Brazilian Journal of Chemical Engineering, 2008, 25, 571-583.	1.3	17
99	Phase behaviour of heavy petroleum fractions in pure propane and n-butane and with methanol as co-solvent. Journal of Chemical Thermodynamics, 2009, 41, 966-972.	2.0	16
100	Kinetic Modeling of Solvent-Free Lipase-Catalyzed Partial Hydrolysis of Palm Oil. Applied Biochemistry and Biotechnology, 2012, 168, 1121-1142.	2.9	16
101	(Liquid+liquid) equilibrium for the system (hydrolyzed palm oil+ethanol+water) for diacylglycerol enrichment. Journal of Chemical Thermodynamics, 2013, 58, 1-7.	2.0	16
102	Kinetics of layered double hydroxide catalyzed esterification of fatty acids with glycerol. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 253-268.	1.7	16
103	Bioactivity of extracts of Musa paradisiaca L. obtained with compressed propane and supercritical CO ₂ . Journal of Supercritical Fluids, 2017, 122, 63-69.	3.2	16
104	Experimental and kinetic modeling of acid oil (trans)esterification in supercritical ethanol. Fuel, 2018, 224, 489-498.	6.4	16
105	Thermophysical properties of biodiesel and related systems: (Liquid+liquid) equilibrium data for castor oil biodiesel. Journal of Chemical Thermodynamics, 2013, 62, 17-26.	2.0	15
106	Assessment of biodiesel purification using CO ₂ at high pressures. Journal of Supercritical Fluids, 2015, 96, 68-76.	3.2	15
107	Kinetics of ethylic esterification of lauric acid on acid activated montmorillonite (STx1-b) as catalyst. Fuel, 2016, 181, 600-609.	6.4	15
108	LIQUID-LIQUID EQUILIBRIUM AND KINETICS OF ETHANOLIC EXTRACTION OF SOYBEAN OIL USING ETHYL ACETATE AS CO-SOLVENT. Brazilian Journal of Chemical Engineering, 2018, 35, 415-428.	1.3	15

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109	Phase Equilibrium for (Camphor + CO ₂), (Camphor + Propane), and (Camphor + CO ₂ + Propane). Journal of Chemical & Engineering Data, 2006, 51, 997-1000.	1.9	14
110	Assessment of variable effects on solvent-free monoacylglycerol enzymatic production in AOT surfactant. European Journal of Lipid Science and Technology, 2008, 110, 510-515.	1.5	14
111	Phase equilibrium data and thermodynamic modelling of the system (propane + DMF + methanol) at high pressures. Journal of Chemical Thermodynamics, 2011, 43, 413-419.	2.0	14
112	Assessment of variables effects on sugar cane juice clarification by carbonation process. International Journal of Food Science and Technology, 2012, 47, 422-428.	2.7	14
113	The Use of Acid-Activated Montmorillonite as a Solid Catalyst for the Production of Fatty Acid Methyl Esters. Energy & Fuels, 2014, 28, 5834-5840.	5.1	14
114	(Liquid+liquid) equilibrium for the system {ethyl stearate(1)+ethanol(2)+glycerol(3)}. Journal of Chemical Thermodynamics, 2012, 47, 213-218.	2.0	13
115	Extraction of cumaru seed oil using compressed propane as solvent. Journal of Supercritical Fluids, 2021, 169, 105123.	3.2	13
116	Phase Equilibrium Measurements for the System Fennel (Foeniculum vulgare) Extract + CO ₂ . Journal of Chemical & Engineering Data, 2005, 50, 1657-1661.	1.9	12
117	Phase equilibrium measurements for CO ₂ +priprioca extract at high pressures. Journal of Supercritical Fluids, 2009, 48, 126-130.	3.2	12
118	Phase equilibrium data and thermodynamic modeling of the system propane+NMP+methanol at high pressures. Journal of Supercritical Fluids, 2010, 55, 23-31.	3.2	12
119	Thermophysical properties of biodiesel and related systems: Low-pressure vapor+liquid equilibrium of methyl/ethyl soybean biodiesel. Journal of Chemical Thermodynamics, 2013, 64, 65-70.	2.0	12
120	High-pressure phase equilibrium measurements and thermodynamic modeling for the systems involving CO ₂ , ethyl esters (oleate, stearate, palmitate) and acetone. Chemical Engineering Research and Design, 2014, 92, 2814-2825.	5.6	12
121	Density, refractive index and viscosity as content monitoring tool of acylglycerols and fatty acid methyl esters in the transesterification of soybean oil. Analytical Methods, 2016, 8, 5619-5627.	2.7	12
122	Acid-catalyzed esterification of free fatty acids with ethanol: an assessment of acid oil pretreatment, kinetic modeling and simulation. Reaction Kinetics, Mechanisms and Catalysis, 2018, 123, 505-515.	1.7	12
123	Phase behaviour of pseudoternary system (carbon dioxide+â%-pentadecalactone+â% dichloromethane) at different dichloromethane to â%-pentadecalactone mass ratios. Journal of Chemical Thermodynamics, 2018, 126, 55-62.	2.0	12
124	Multifunctionality of zinc carboxylate to produce acylglycerols, free fatty acids and fatty acids methyl esters. Fuel, 2019, 244, 569-579.	6.4	12
125	Supercritical CO ₂ as solvent for fatty acids esterification with ethanol catalyzed by Amberlyst-15. Journal of Supercritical Fluids, 2020, 158, 104736.	3.2	12
126	Esterification reaction kinetics of acetic acid and nâpentanol catalyzed by sulfated zirconia. International Journal of Chemical Kinetics, 2020, 52, 499-512.	1.6	12

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127	Encapsulation of yacon (<i>Smallanthus sonchifolius</i>) leaf extract by supercritical fluid extraction of emulsions. <i>Journal of Supercritical Fluids</i> , 2020, 160, 104815.	3.2	12
128	Study of the supercritical extraction of <i>Pterodon</i> fruits (Fabaceae). <i>Journal of Supercritical Fluids</i> , 2017, 128, 159-165.	3.2	11
129	Subcritical propane extraction of high-quality inajÃ; (<i>Maximiliana maripa</i>) pulp oil. <i>Journal of Supercritical Fluids</i> , 2019, 153, 104576.	3.2	11
130	Thermodynamic analysis, experimental and kinetic modeling of levulinic acid esterification with ethanol at supercritical conditions. <i>Fuel</i> , 2020, 260, 116376.	6.4	11
131	Thermophysical properties of biodiesel and related systems: Low-pressure vapour-liquid equilibrium of methyl/ethyl <i>Jatropha curcas</i> biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013, 60, 46-51.	2.0	10
132	Phase equilibrium measurements and thermodynamic modelling for the system (CO ₂ +ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	2.0	10
133	High pressure phase equilibrium measurements for binary systems CO ₂ +1-pentanol and CO ₂ +1-hexanol. <i>Journal of Supercritical Fluids</i> , 2014, 88, 38-45.	3.2	10
134	Liquid-liquid Equilibrium for Ternary Systems Containing Water, Oleic Acid, and Alcohols at 313.15 K. Effect of Alcohol Chain Length. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2050-2056.	1.9	10
135	A combined sorption and kinetic model for multiphasic ethyl esterification of fatty acids from soybean soapstock acid oil catalyzed by a fermented solid with lipase activity in a solvent-free system. <i>Biochemical Engineering Journal</i> , 2017, 120, 84-92.	3.6	10
136	Enzymatic kinetics of cetyl palmitate synthesis in a solvent-free system. <i>Biochemical Engineering Journal</i> , 2018, 137, 116-124.	3.6	10
137	AvaliaÃ;Ã;o preliminar da atividade antimicrobiana do extrato de erva-mate (<i>Ilex paraguariensis</i> A. St. -) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	9
138	Phase behaviour of pseudo-binary systems of pressurized ((propane+l,l-lactide)) at different ethanol to l,l-lactide mole ratios. <i>Journal of Chemical Thermodynamics</i> , 2014, 78, 120-127.	2.0	9
139	Phase behaviour of sesame (<i>Sesamum indicum</i> L.) seed oil using supercritical CO ₂ . <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 310-314.	1.7	9
140	Boiling point elevation of aqueous solutions of ionic liquids derived from diethanolamine base and carboxylic acids. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 1-8.	2.0	9
141	Liquid-liquid equilibrium of ternary systems comprising ethyl valerate(1), water(2), ethanol(3) and valeric acid(4). <i>Journal of Chemical Thermodynamics</i> , 2017, 111, 185-190.	2.0	9
142	Liquid-liquid equilibrium of the system glycerolized olive oil-ethanol-glycerol for diacylglycerol enrichment. <i>Journal of Chemical Thermodynamics</i> , 2018, 124, 38-42.	2.0	9
143	Thermodynamic analysis of biodiesel production systems at supercritical conditions. <i>Fluid Phase Equilibria</i> , 2019, 484, 106-113.	2.5	9
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