

# Marcos LÃºcio Corazza

## List of Publications by Year in descending order

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205  
papers

4,593  
citations

117625

34  
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182427

51  
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206  
all docs

206  
docs citations

206  
times ranked

4121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase equilibria modeling of biorefinery-related systems: a systematic review. <i>Chemical Product and Process Modeling</i> , 2022, 17, 499-529.	0.9	2
2	Liquid-liquid equilibrium of systems containing acylglycerols from olive oil, glycerol and isopropanol. <i>Journal of Chemical Thermodynamics</i> , 2022, 165, 106666.	2.0	1
3	Valorization by compressed fluids of <i>Arctium lappa</i> seeds and roots as a sustainable source of valuable compounds. <i>Journal of CO2 Utilization</i> , 2022, 56, 101821.	6.8	9
4	Corn germ oil extraction with compressed propane compared with Soxhlet extraction. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 803-813.	1.3	5
5	Extraction of compounds from <i>Moringa oleifera</i> leaves using supercritical $\text{CO}_2$ plus ethanol as a cosolvent. <i>Journal of Food Process Engineering</i> , 2022, 45, .	2.9	5
6	A biorefinery approach for spent coffee grounds valorization using pressurized fluid extraction to produce oil and bioproducts: A systematic review. <i>Bioresource Technology Reports</i> , 2022, 18, 101013.	2.7	7
7	Combination of green solvents for efficient sugarcane bagasse fractionation. <i>Biomass and Bioenergy</i> , 2022, 161, 106482.	5.7	5
8	Artificial neural network for aspect ratio prediction of lignocellulosic micro/nanofibers. <i>Cellulose</i> , 2022, 29, 5609-5622.	4.9	6
9	Lipids and coumarin extraction from <i>Cumaru</i> seeds ( <i>Dipteryx odorata</i> ) using sequential supercritical $\text{CO}_2$ +solvent and pressurized ethanol. <i>Journal of Supercritical Fluids</i> , 2022, , 105688.	3.2	3
10	Performing under pressure: esterification activity of dry fermented solids in subcritical and supercritical $\text{CO}_2$ . <i>Biotechnology Letters</i> , 2021, 43, 503-509.	2.2	1
11	Extraction of cumaru seed oil using compressed propane as solvent. <i>Journal of Supercritical Fluids</i> , 2021, 169, 105123.	3.2	13
12	Pressurized extraction of high-quality blackberry ( <i>Rubus</i> spp. Xavante cultivar) seed oils. <i>Journal of Supercritical Fluids</i> , 2021, 169, 105101.	3.2	9
13	Kinetics of enzymatic cetyl palmitate production by esterification with fermented solid of <i>Burkholderia contaminans</i> in the presence of organic solvent. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 132, 139-153.	1.7	4
14	Integrated Design of Biorefineries Based on Spent Coffee Grounds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 494-506.	3.7	9
15	Compressed fluids extraction methods, yields, antioxidant activities, total phenolics and flavonoids content for Brazilian Mantiqueira hops. <i>Journal of Supercritical Fluids</i> , 2021, 170, 105155.	3.2	19
16	Liquid-Liquid Equilibrium Measurement and Thermodynamic Modeling of the <i>Sterculia striata</i> Biodiesel + Glycerol + Ethanol System. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3293-3299.	1.9	3
17	Kinetic Modeling of $\text{scCO}_2$ -Assisted Levulinic Acid Esterification with Ethanol Using Amberlyst-15 as a Catalyst in a Batch Reactor. <i>Energy &amp; Fuels</i> , 2021, 35, 14770-14779.	5.1	2
18	Pressurized liquid extraction of brewer's spent grain: Kinetics and crude extracts characterization. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 370-383.	5.8	18

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19	Extracts from red Araçá (Psidium cattleianum) fruits: Extraction process, modelling and assessment of the bioactivity potentialities. <i>Journal of Supercritical Fluids</i> , 2021, 176, 105278.	3.2	6
20	Dynamic optimization for the enzymatic production of acylglycerols. <i>Chemical Engineering Communications</i> , 2020, 207, 93-108.	2.6	3
21	Thermodynamic analysis, experimental and kinetic modeling of levulinic acid esterification with ethanol at supercritical conditions. <i>Fuel</i> , 2020, 260, 116376.	6.4	11
22	Extraction of Muriella decolor lipids using conventional and pressurized solvents and characterization of their fatty acid profile for biodiesel applications. <i>Journal of Supercritical Fluids</i> , 2020, 158, 104750.	3.2	6
23	Supercritical CO <sub>2</sub> as solvent for fatty acids esterification with ethanol catalyzed by Amberlyst-15. <i>Journal of Supercritical Fluids</i> , 2020, 158, 104736.	3.2	12
24	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
25	Extraction of high value products from avocado waste biomass. <i>Journal of Supercritical Fluids</i> , 2020, 165, 104988.	3.2	34
26	Esterification reaction kinetics of acetic acid and n-pentanol catalyzed by sulfated zirconia. <i>International Journal of Chemical Kinetics</i> , 2020, 52, 499-512.	1.6	12
27	Supercritical Fluids: A Promising Technique for Biomass Pretreatment and Fractionation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 252.	4.1	75
28	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
29	Extraction of <i>Synadenium grantii</i> Hook f. using conventional solvents and supercritical CO <sub>2</sub> + ethanol. <i>Journal of Supercritical Fluids</i> , 2020, 160, 104796.	3.2	25
30	Fatty acid profile and lipid quality of <i>Maximiliana maripa</i> oil obtained by supercritical CO <sub>2</sub> and pressurized ethanol. <i>Journal of Supercritical Fluids</i> , 2020, 165, 104979.	3.2	6
31	Phase-Equilibrium Measurements and Thermodynamic Modeling of CO <sub>2</sub> + Geraniol, CO <sub>2</sub> + Geraniol + Acetic Acid, and CO <sub>2</sub> + Geraniol + Ethyl Acetate. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 1721-1729.	1.9	2
32	Effect of supercritical carbon dioxide over the esterification of levulinic acid with ethanol using montmorillonite K10 as catalyst. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 39, 101158.	6.8	9
33	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
34	Subcritical propane extraction of high-quality inajá ( <i>Maximiliana maripa</i> ) pulp oil. <i>Journal of Supercritical Fluids</i> , 2019, 153, 104576.	3.2	11
35	Assessment of composition and biological activity of <i>Arctium lappa</i> leaves extracts obtained with pressurized liquid and supercritical CO <sub>2</sub> extraction. <i>Journal of Supercritical Fluids</i> , 2019, 152, 104573.	3.2	24
36	Extraction of parboiled rice bran oil with supercritical CO <sub>2</sub> and ethanol as co-solvent: Kinetics and characterization. <i>Industrial Crops and Products</i> , 2019, 139, 111506.	5.2	35

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37	Inhibitory Effect of Supercritical Extracts from <i>Arctium lappa</i> L. on the Lectin Pathway of the Complement System. <i>Chemistry and Biodiversity</i> , 2019, 16, e1900401.	2.1	4
38	Enhanced extraction of spent coffee grounds oil using high-pressure CO <sub>2</sub> plus ethanol solvents. <i>Industrial Crops and Products</i> , 2019, 141, 111723.	5.2	37
39	THERMODYNAMIC ANALYSIS AND MODELING OF BRAZILIAN CRUDE OIL AND ASPHALTENE SYSTEMS: AN EXPERIMENTAL MEASUREMENT AND A PC-SAFT APPLICATION. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 557-571.	1.3	5
40	Phase equilibrium measurements and thermodynamic modeling of {CO <sub>2</sub> + diethyl succinate+ cosolvent} systems. <i>Fluid Phase Equilibria</i> , 2019, 502, 112285.	2.5	4
41	Antioxidant activity and fatty acid profile of yacon leaves extracts obtained by supercritical CO <sub>2</sub> + ethanol solvent. <i>Journal of Supercritical Fluids</i> , 2019, 146, 55-64.	3.2	18
42	Phase Equilibrium Measurements and Thermodynamic Modeling of the Systems (CO <sub>2</sub> + Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2019, 64, 2011-2017.	1.9	5
43	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
44	Multifunctionality of zinc carboxylate to produce acylglycerols, free fatty acids and fatty acids methyl esters. <i>Fuel</i> , 2019, 244, 569-579.	6.4	12
45	Supercritical Extracts from <i>Arctium lappa</i> as a Potential Inhibitor for the Activation of Complement System. <i>Planta Medica International Open</i> , 2019, 6, e63-e69.	0.5	3
46	Thermodynamic analysis of biodiesel production systems at supercritical conditions. <i>Fluid Phase Equilibria</i> , 2019, 484, 106-113.	2.5	9
47	A greener bioreduction using baker's yeast cells in supercritical carbon dioxide and glycerol system. <i>Journal of Supercritical Fluids</i> , 2019, 143, 330-335.	3.2	2
48	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
49	Thermodynamic Analysis of Municipal Solid Waste Gasification Under Isothermal and Adiabatic Conditions by a Gibbs Free Energy Minimization Model. <i>Waste and Biomass Valorization</i> , 2019, 10, 1383-1393.	3.4	5
50	PRELIMINARY ASSESSMENT OF THE PROCESSING OF HIGH-ACIDITY FATTY MATERIALS USING SOLID CATALYSTS FOR THE OBTAINMENT OF FATTY ACID METHYL ESTERS. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1535-1551.	1.3	2
51	Extraction of baru ( <i>Dipteryx alata vogel</i> ) seed oil using compressed solvents technology. <i>Journal of Supercritical Fluids</i> , 2018, 137, 23-33.	3.2	50
52	Experimental and kinetic modeling of acid oil (trans)esterification in supercritical ethanol. <i>Fuel</i> , 2018, 224, 489-498.	6.4	16
53	Assessment of liquid-liquid phase separation in the composition and oxidation stability of partially hydrolyzed olive oil. <i>Journal of Food Engineering</i> , 2018, 233, 1-8.	5.2	2
54	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

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55	Kinetics, composition and antioxidant activity of burdock ( <i>Arctium lappa</i> ) root extracts obtained with supercritical CO <sub>2</sub> and co-solvent. <i>Journal of Supercritical Fluids</i> , 2018, 135, 25-33.	3.2	32
56	Acid-catalyzed esterification of free fatty acids with ethanol: an assessment of acid oil pretreatment, kinetic modeling and simulation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 123, 505-515.	1.7	12
57	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
58	High-pressure phase equilibrium data for systems containing carbon dioxide, $\gamma$ -pentadecalactone, chloroform and water. <i>Journal of Chemical Thermodynamics</i> , 2018, 122, 125-132.	2.0	19
59	Extraction of citronella grass solutes with supercritical CO <sub>2</sub> , 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
60	Assessment of subcritical propane, supercritical CO <sub>2</sub> 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
61	LIQUID-LIQUID EQUILIBRIUM AND KINETICS OF ETHANOLIC EXTRACTION OF SOYBEAN OIL USING ETHYL ACETATE AS CO-SOLVENT. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 415-428.	1.3	15
62	<i>Choricystis minor</i> var. <i>minor</i> lipids: Extraction using conventional and pressurized solvents and assessment of their potential to produce fatty acid methyl esters. <i>Algal Research</i> , 2018, 33, 28-35.	4.6	8
63	Phase behaviour of pseudoternary system (carbon dioxide+ $\gamma$ -pentadecalactone+dichloromethane) at different dichloromethane to $\gamma$ -pentadecalactone mass ratios. <i>Journal of Chemical Thermodynamics</i> , 2018, 126, 55-62.	2.0	12
64	Extraction of <i>Arctium Lappa</i> leaves using supercritical CO <sub>2</sub> +ethanol: Kinetics, chemical composition, and bioactivity assessments. <i>Journal of Supercritical Fluids</i> , 2018, 140, 137-146.	3.2	33
65	Vapor-liquid and liquid-liquid equilibrium modeling of systems involving ethanol, water, and ethyl valerate (valeric acid) using the PC-SAFT equation of state. <i>Fluid Phase Equilibria</i> , 2018, 474, 92-99.	2.5	4
66	Enzymatic kinetics of cetyl palmitate synthesis in a solvent-free system. <i>Biochemical Engineering Journal</i> , 2018, 137, 116-124.	3.6	10
67	Chemical composition and biological activity of <i>Eupatorium intermedium</i> essential oil. <i>Journal of Essential Oil Research</i> , 2017, 29, 93-100.	2.7	6
68	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
69	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
70	Phase equilibrium measurements and thermodynamic modelling for the systems involving valeric acid, ethanol, ethyl valerate and water plus CO <sub>2</sub> . <i>Journal of Chemical Thermodynamics</i> , 2017, 112, 240-248.	2.0	8
71	Study of the supercritical extraction of <i>Pterodon</i> fruits (Fabaceae). <i>Journal of Supercritical Fluids</i> , 2017, 128, 159-165.	3.2	11
72	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

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73	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
74	Experimental study and kinetic modeling of waste frying soybean oil hydrolysis in subcritical water. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 439-452.	1.7	5
75	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
76	Bioactivity of extracts of <i>Musa paradisiaca</i> L. obtained with compressed propane and supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2017, 122, 63-69.	3.2	16
77	Mathematical modeling of fish burger baking using fractional calculus. <i>Thermal Science</i> , 2017, 21, 41-50.	1.1	6
78	Boiling Point, Specific Heat and Density Measurements and Modeling of Soybean Molasses and Its Aqueous Solutions. <i>Journal of Food Process Engineering</i> , 2016, 39, 283-295.	2.9	6
79	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
80	Phase behaviour of sesame ( <i>Sesamum indicum</i> L.) seed oil using supercritical CO <sub>2</sub> . <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 310-314.	1.7	9
81	Density, refractive index and viscosity as content monitoring tool of acylglycerols and fatty acid methyl esters in the transesterification of soybean oil. <i>Analytical Methods</i> , 2016, 8, 5619-5627.	2.7	12
82	Kinetics of ethylic esterification of lauric acid on acid activated montmorillonite (STx1-b) as catalyst. <i>Fuel</i> , 2016, 181, 600-609.	6.4	15
83	Extraction of inflorescences of <i>Musa paradisiaca</i> L. using supercritical CO <sub>2</sub> and compressed propane. <i>Journal of Supercritical Fluids</i> , 2016, 113, 128-135.	3.2	48
84	General Assessment of the Currently Available Biodiesel Production Technologies. <i>Green Energy and Technology</i> , 2016, , 291-326.	0.6	0
85	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
86	Wood and industrial residue of candeia ( <i>Eremanthus erythropappus</i> ): Supercritical CO <sub>2</sub> oil extraction, composition, antioxidant activity and mathematical modeling. <i>Journal of Supercritical Fluids</i> , 2016, 114, 1-8.	3.2	21
87	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
88	NaCl and KCl effect on (vapour+liquid) equilibrium of binary, ternary and quaternary systems involving water, ethanol and glycerol at low pressures. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 95-101.	2.0	8
89	Kinetics of layered double hydroxide catalyzed esterification of fatty acids with glycerol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 117, 253-268.	1.7	16
90	Cyclic pressurization assisted extraction of lipids from microalgae for biodiesel production: Non-equilibrium and equilibrium data. <i>Fuel</i> , 2016, 163, 133-138.	6.4	5

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91	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
92	Liquid-liquid Equilibrium in Systems Containing Olive Oil, Free Fatty Acids, Ethanol and Water. <i>Open Chemical Engineering Journal</i> , 2016, 10, 10-17.	0.5	5
93	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
94	High-pressure phase equilibrium data for the (carbon dioxide + l -lactide + ethanol) system. <i>Journal of Chemical Thermodynamics</i> , 2015, 86, 37-42.	2.0	20
95	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
96	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
97	Extraction of <i>Campomanesia xanthocarpa</i> fruit using supercritical CO <sub>2</sub> and bioactivity assessments. <i>Journal of Supercritical Fluids</i> , 2015, 98, 79-85.	3.2	24
98	Liquid-liquid equilibrium data and thermodynamic modeling for systems related to the production of ethyl esters of fatty acids from soybean soapstock acid oil. <i>Fuel</i> , 2015, 147, 147-154.	6.4	8
99	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 &amp; Engineering Data</i> , 2015, 60, 2050-2056.	1.9	10
100	Influence of two different alcohols in the esterification of fatty acids over layered zinc stearate/palmitate. <i>Bioresource Technology</i> , 2015, 193, 337-344.	9.6	17
101	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
102	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
103	Analysis of multiphasic 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
104	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
105	Phase equilibrium data for ternary (carbon dioxide + dichloromethane + eugenol) and quaternary systems (carbon dioxide + dichloromethane + eugenol + poly- $\mu$ -caprolactone). <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 336-345.	2.0	8
106	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
107	Kinetics, composition and biological activity of <i>Eupatorium intermedium</i> flower extracts obtained from scCO <sub>2</sub> and compressed propane. <i>Journal of Supercritical Fluids</i> , 2015, 97, 145-153.	3.2	44
108	Effect of grilling and baking on physicochemical and textural properties of tilapia ( <i>Oreochromis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.8	29

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109	Assessment of biodiesel purification using CO <sub>2</sub> at high pressures. <i>Journal of Supercritical Fluids</i> , 2015, 96, 68-76.	3.2	15
110	Thermodynamic Modeling of High-pressure Equilibrium Data for the Systems L-lactic Acid + (Propane +) Tj ETQq0 0 0 rgBT /Overlock 10	0.5	0
111	PHYSICAL CHANGES OF TILAPIA FISH BURGER DURING FROZEN STORAGE. <i>Boletim Centro De Pesquisa De Processamento De Alimentos</i> , 2015, 33, .	0.2	0
112	&lt;b&gt;Freezing and thawing of processed meat in an industrial freezing tunnel&lt;b&gt;. <i>Acta Scientiarum - Technology</i> , 2014, 36, 361.	0.4	6
113	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
114	High pressure phase equilibrium measurements for binary systems CO <sub>2</sub> +1-pentanol and CO <sub>2</sub> +1-hexanol. <i>Journal of Supercritical Fluids</i> , 2014, 88, 38-45.	3.2	10
115	High-pressure phase equilibrium measurements and thermodynamic modeling for the systems involving CO <sub>2</sub> , ethyl esters (oleate, stearate, palmitate) and acetone. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2814-2825.	5.6	12
116	Kinetics of non-catalytic and ZnL <sub>2</sub> -catalyzed esterification of lauric acid with ethanol. <i>Fuel</i> , 2014, 117, 125-132.	6.4	25
117	The Use of Acid-Activated Montmorillonite as a Solid Catalyst for the Production of Fatty Acid Methyl Esters. <i>Energy &amp; Fuels</i> , 2014, 28, 5834-5840.	5.1	14
118	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
119	Kinetics of Enzymatic Hydrolysis of Olive Oil in Batch and Fed-batch Systems. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1336-1348.	2.9	4
120	Phase behaviour and thermodynamic modelling for the system (grape seed oil + carbon dioxide +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	0
121	Thermophysical properties of biodiesel and related systems. Part I. Vapour&quot;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
122	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
123	Thermophysical properties of biodiesel and related systems: Low-pressure vapor+liquid equilibrium of methyl/ethyl soybean biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 65-70.	2.0	12
124	(Liquid+liquid) equilibrium for the system (hydrolyzed palm oil+ethanol+water) for diacylglycerol enrichment. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 1-7.	2.0	16
125	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
126	Thermophysical properties of biodiesel and related systems: Low-pressure vapour&quot;liquid equilibrium of methyl/ethyl <i>Jatropha curcas</i> biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013, 60, 46-51.	2.0	10



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127	Thermophysical properties of biodiesel and related systems: (Liquid+liquid) equilibrium data for castor oil biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013, 62, 17-26.	2.0	15
128	Kinetics of enzyme-catalyzed hydrolysis of steam-exploded sugarcane bagasse. <i>Bioresource Technology</i> , 2013, 147, 416-423.	9.6	34
129	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
130	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
131	Liquid-liquid and vapor-liquid equilibrium data for biodiesel reaction-separation systems. <i>Fuel</i> , 2013, 108, 269-276.	6.4	24
132	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
133	Phase equilibrium measurements and thermodynamic modelling for the system (CO <sub>2</sub> +ethyl) Tj ETQq1 1 0.784314 <small>rgBT / Overlock 10</small>	2.0	10
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