# Claudio Dariva

List of Publications by Year
in descending order

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|---|---|---|---|
| 155 papers | 4,658 citations | 94433 37 h-index | 144013 57 g-index |
| 155 all docs | 155 docs citations | 155 times ranked | 4447 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Application of Origanum majorana L. essential oil as an antimicrobial agent in sausage. Food Microbiology, 2008, 25, 207-211. | 4.2 | 166 |
| 2 | Solubility of carbon dioxide in binary and ternary mixtures with ethanol and water. Fluid Phase Equilibria, 2006, 245, 193-200. | 2.5 | 144 |
| 3 | Extraction of sesame seed (Sesamun indicum L.) oil using compressed propane and supercritical carbon dioxide. Journal of Supercritical Fluids, 2010, 52, 56-61. | 3.2 | 120 |
| 4 | Assessment of two immobilized lipases activity treated in compressed fluids. Journal of Supercritical Fluids, 2006, 38, 373-382. | 3.2 | 113 |
| 5 | Continuous Production of Fatty Acid Ethyl Esters from Soybean Oil in Compressed Ethanol. Industrial & Engineering Chemistry Research, 2007, 46, 5304-5309. | 3.7 | 113 |
| 6 | Demulsification of Water-in-Crude Oil Emulsions Using Ionic Liquids and Microwave Irradiation. Energy & Fuels, 2010, 24, 4439-4444. | 5.1 | 113 |
| 7 | Precipitation of Î²-carotene and PHBV and co-precipitation from SEDS technique using supercritical CO2. Journal of Supercritical Fluids, 2008, 47, 259-269. | 3.2 | 99 |
| 8 | Phase behavior of soybean oil, castor oil and their fatty acid ethyl esters in carbon dioxide at high pressures. Journal of Supercritical Fluids, 2006, 37, 29-37. | 3.2 | 98 |
| 9 | Extraction of sunflower (Heliantus annuus L.) oil with supercritical CO2 and subcritical propane: Experimental and modeling. Chemical Engineering Journal, 2011, 168, 262-268. | 12.7 | 98 |
| 10 | Demulsification of Heavy Crude Oil Emulsions Using Ionic Liquids. Energy & Fuels, 2013, 27, 6311-6315. | 5.1 | 95 |
| 11 | Extraction of canola seed (Brassica napus) oil using compressed propane and supercritical carbon dioxide. Journal of Food Engineering, 2011, 102, 189-196. | 5.2 | 94 |
| 12 | Extraction of Grape Seed Oil Using Compressed Carbon Dioxide and Propane: Extraction Yields and Characterization of Free Glycerol Compounds. Journal of Agricultural and Food Chemistry, 2008, 56, 2558-2564. | 5.2 | 83 |
| 13 | Influence of the salinity on the interfacial properties of a Brazilian crude oilâ€“brine systems. Fuel, 2014, 118, 21-26. | 6.4 | 77 |
| 14 | Chemical Composition and Extraction Yield of the Extract ofOriganum vulgareObtained from Sub- and Supercritical CO2. Journal of Agricultural and Food Chemistry, 2004, 52, 3042-3047. | 5.2 | 71 |
| 15 | Influence of compressed fluids treatment on the activity of Yarrowia lipolytica lipase. Journal of Molecular Catalysis B: Enzymatic, 2006, 39, 117-123. | 1.8 | 70 |
| 16 | Demulsification of water-in-crude oil emulsions using single mode and multimode microwave irradiation. Separation and Purification Technology, 2017, 189, 347-356. | 7.9 | 70 |
| 17 | Catalytic oxidation of cyclohexane by a binuclear Fe(III) complex biomimetic to methane monooxygenase. Journal of Inorganic Biochemistry, 2005, 99, 2054-2061. | 3.5 | 65 |
| 18 | Optimization of the sonication extraction method of Hibiscus tiliaceus L. flowers. Ultrasonics Sonochemistry, 2006, 13, 242-250. | 8.2 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Influence of Agronomic Variables on the Composition of Mate Tea Leaves (Ilex paraguariensis) Extracts Obtained from CO2Extraction at 30 Â°C and 175 bar. Journal of Agricultural and Food Chemistry, 2004, 52, 1990-1995. | 5.2 | 58 |
| 20 | Extraction of palm oil using propane, ethanol and its mixtures as compressed solvent. Journal of Supercritical Fluids, 2013, 81, 245-253. | 3.2 | 55 |
| 21 | Stability and structural changes of horseradish peroxidase: Microwave versus conventional heating treatment. Enzyme and Microbial Technology, 2015, 69, 10-18. | 3.2 | 55 |
| 22 | The use of ultrasound in the extraction of Ilex paraguariensis leaves: A comparison with maceration. Ultrasonics Sonochemistry, 2007, 14, 6-12. | 8.2 | 54 |
| 23 | Optimization of Alkaline Transesterification of Soybean Oil and Castor Oil for Biodiesel Production. Applied Biochemistry and Biotechnology, 2005, 122, 0553-0560. | 2.9 | 52 |
| 24 | Phase behavior of lemon and bergamot peel oils in supercritical CO2. Fluid Phase Equilibria, 2004, 226, 1-8. | 2.5 | 51 |
| 25 | Phase behavior of olive and soybean oils in compressed propane and n-butane. Brazilian Journal of Chemical Engineering, 2006, 23, 405-415. | 1.3 | 48 |
| 26 | GC/MS characterization of mate tea leaves extracts obtained from high-pressure CO2 extraction. Journal of Supercritical Fluids, 2007, 40, 354-359. | 3.2 | 48 |
| 27 | High-Pressure Vaporâ^'Liquid Equilibrium Data for Systems Involving Carbon Dioxide + Organic Solvent + Î²-Carotene. Journal of Chemical & Engineering Data, 2007, 52, 1437-1441. | 1.9 | 44 |
| 28 | Mathematical Modeling of the Destabilization of Crude Oil Emulsions Using Population Balance Equation. Industrial & Engineering Chemistry Research, 2008, 47, 7094-7103. | 3.7 | 43 |
| 29 | Microwave demulsification of heavy crude oil emulsions: Analysis of acid species recovered in the aqueous phase. Fuel, 2014, 128, 141-147. | 6.4 | 43 |
| 30 | Extraction of pequi (Caryocar coriaceum) pulp oil using subcritical propane: Determination of process yield and fatty acid profile. Journal of Supercritical Fluids, 2015, 101, 95-103. | 3.2 | 43 |
| 31 | Extraction and evaluation of antioxidant potential of the extracts obtained from tamarind seeds (Tamarindus indica), sweet variety. Journal of Food Engineering, 2016, 173, 116-123. | 5.2 | 42 |
| 32 | High-Pressure Phase Equilibria for Polypropyleneâ^'Hydrocarbon Systems. Industrial & Engineering Chemistry Research, 2000, 39, 4627-4633. | 3.7 | 41 |
| 33 | Evaluation of radish (Raphanus sativus L.) peroxidase activity after high-pressure treatment with carbon dioxide. Journal of Supercritical Fluids, 2006, 38, 347-353. | 3.2 | 41 |
| 34 | A one-dimensional and comprehensive two-dimensional gas chromatography study of the oil and the bio-oil of the residual cakes from the seeds of Crambe abyssinica. Industrial Crops and Products, 2014, 52, 8-16. | 5.2 | 41 |
| 35 | CaracterizaÃ§Ã£o fÃsico-quÃmica da erva mate: influÃªncia das etapas do processamento industrial. Food Science and Technology, 2002, 22, 199-204. | 1.7 | 40 |
| 36 | Effect of Treatment with Compressed Propane on Lipases Hydrolytic Activity. Food and Bioprocess Technology, 2010, 3, 511-520. | 4.7 | 40 |

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| 37 | Experimental Density of Ionic Liquids and Thermodynamic Modeling with Group Contribution Equation of State Based on the Lattice Fluid Theory. Journal of Chemical & Engineering Data, 2016, 61, 348-353. | 1.9 | 40 |
| 38 | Effect of experimental parameters in the pressurized liquid extraction of brazilian grape seed oil. Separation and Purification Technology, 2013, 116, 313-318. | 7.9 | 39 |
| 39 | Phase behavior and process parameters effects on the characteristics of precipitated theophylline using carbon dioxide as antisolvent. Journal of Supercritical Fluids, 2008, 44, 8-20. | 3.2 | 38 |
| 40 | Supercritical fluid extraction of a high-ash Brazilian coal. Fuel, 1997, 76, 585-591. | 6.4 | 37 |
| 41 | Use of near infrared for evaluation of droplet size distribution and water content in water-in-crude oil emulsions in pressurized pipeline. Fuel, 2015, 147, 43-52. | 6.4 | 37 |
| 42 | The Effects of Temperature and Pressure on the Characteristics of the Extracts from High-Pressure CO2Extraction ofMajorana hortensisMoench. Journal of Agricultural and Food Chemistry, 2003, 51, 453-456. | 5.2 | 36 |
| 43 | SUPERCRITICAL CARBON DIOXIDE SELECTIVITY TO FRACTIONATE PHENOLIC COMPOUNDS FROM THE DRY ETHANOLIC EXTRACT OF PROPOLIS. Journal of Food Process Engineering, 2010, 33, 15-27. | 2.9 | 36 |
| 44 | High Pressure Phase Equilibria of the Related Substances in the Limonene Oxidation in Supercritical CO2. Journal of Chemical & Engineering Data, 2003, 48, 354-358. | 1.9 | 35 |
| 45 | Solid-Acid-Catalyzed Esterification of Oleic Acid Assisted by Microwave Heating. Industrial & Engineering Chemistry Research, 2010, 49, 12135-12139. | 3.7 | 35 |
| 46 | Synthesis and physico-chemical properties of two protic ionic liquids based on stearate anion. Fluid Phase Equilibria, 2014, 376, 132-140. | 2.5 | 35 |
| 47 | Supercritical fluid extraction of Rumex Acetosa L. roots: Yield, composition, kinetics, bioactive evaluation and comparison with conventional techniques. Journal of Supercritical Fluids, 2017, 122, 1-9. | 3.2 | 35 |
| 48 | A kinetic approach for predicting diffusivities in dense fluid mixtures. Fluid Phase Equilibria, 1999, 158-160, 1045-1054. | 2.5 | 34 |
| 49 | Vapor Pressure Data of Soybean Oil, Castor Oil, and Their Fatty Acid Ethyl Ester Derivatives. Journal of Chemical & Engineering Data, 2005, 50, 330-333. | 1.9 | 34 |
| 50 | Chemical composition of mate tea leaves (Ilex paraguariensis): A study of extraction methods. Journal of Separation Science, 2006, 29, 2780-2784. | 2.5 | 34 |
| 51 | Use of Microwave Irradiation in the Noncatalytic Esterification of C18 Fatty Acids. Energy & Fuels, 2009, 23, 580-585. | 5.1 | 34 |
| 52 | Effects of compressed fluids on the activity and structure of horseradish peroxidase. Journal of Supercritical Fluids, 2009, 50, 162-168. | 3.2 | 33 |
| 53 | Natural gas dehydration by adsorption using MOFs and silicas: A review. Separation and Purification Technology, 2021, 276, 119409. | 7.9 | 33 |
| 54 | Supercritical CO2 extraction of raw propolis and its dry ethanolic extract. Brazilian Journal of Chemical Engineering, 2012, 29, 243-251. | 1.3 | 31 |

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| 55 | A robust strategy for SVL equilibrium calculations at high pressures. Fluid Phase Equilibria, 2004, 221, 113-126. | 2.5 | 30 |
| 56 | Phase behavior of castor oil in compressed propane and n-butane. Journal of Supercritical Fluids, 2005, 34, 215-221. | 3.2 | 30 |
| 57 | Application of molecular sieves in the fractionation of lemongrass oil from high-pressure carbon dioxide extraction. Brazilian Journal of Chemical Engineering, 2006, 23, 219-225. | 1.3 | 30 |
| 58 | Pressurized liquid extraction of mate tea leaves. Analytica Chimica Acta, 2008, 625, 70-76. | 5.4 | 30 |
| 59 | The Effect of Temperature, Pressure, Exposure Time, and Depressurization Rate on Lipase Activity in SCCO<SUB>2</SUB>. Applied Biochemistry and Biotechnology, 2004, 113, 181-188. | 2.9 | 29 |
| 60 | Chemical profile and antimicrobial activity of Boldo (Peumus boldus Molina) extracts obtained by compressed carbon dioxide extraction. Brazilian Journal of Chemical Engineering, 2008, 25, 427-434. | 1.3 | 29 |
| 61 | Kinetics of Enzyme-Catalyzed Alcoholysis of Soybean Oil in <I>n</I>-Hexane. Applied Biochemistry and Biotechnology, 2005, 121, 0231-0242. | 2.9 | 28 |
| 62 | High-pressure vapor-liquid equilibrium data for CO2-orange peel oil. Brazilian Journal of Chemical Engineering, 2000, 17, 181-189. | 1.3 | 28 |
| 63 | Phase Behavior of the Reaction Medium of Limonene Oxidation in Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 2003, 42, 3150-3155. | 3.7 | 27 |
| 64 | Extraction and characterization of volatile compounds in Maytenus ilicifolia, using high-pressure CO2. FÃ¬toterapÃ¬Ã¢, 2004, 75, 168-178. | 2.2 | 27 |
| 65 | EFFECT OF WATER CONTENT, TEMPERATURE AND AVERAGE DROPLET SIZE ON THE SETTLING VELOCITY OF WATER-IN-OIL EMULSIONS. Brazilian Journal of Chemical Engineering, 2015, 32, 455-464. | 1.3 | 27 |
| 66 | CO2 influence on asphaltene precipitation. Journal of Supercritical Fluids, 2019, 143, 24-31. | 3.2 | 27 |
| 67 | CO2/CH4 adsorption at high-pressure using silica-APTES aerogel as adsorbent and near infrared as a monitoring technique. Journal of CO2 Utilization, 2019, 32, 232-240. | 6.8 | 27 |
| 68 | Phase equilibria of polypropylene samples with hydrocarbon solvents at high pressures. Journal of Applied Polymer Science, 2001, 81, 3044-3055. | 2.6 | 26 |
| 69 | Effects of processing conditions on the chemical distribution of mate tea leaves extracts obtained from CO2 extraction at high pressures. Journal of Food Engineering, 2005, 70, 588-592. | 5.2 | 26 |
| 70 | Effects of compressed carbon dioxide treatment on the specificity of oxidase enzymatic complexes from mate tea leaves. Journal of Supercritical Fluids, 2007, 43, 283-290. | 3.2 | 26 |
| 71 | High-pressure multiphase equilibria in the system glycerol+olive oil+propane+AOT. Fluid Phase Equilibria, 2006, 244, 128-136. | 2.5 | 25 |
| 72 | Phase Behavior of Binary and Ternary Systems Involving Carbon Dioxide, Propane, and Glycidyl Methacrylate at High Pressure. Journal of Chemical & Engineering Data, 2006, 51, 686-690. | 1.9 | 23 |

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| 73 | Separation of antibacterial biocompounds from Hancornia speciosa leaves by a sequential process of pressurized liquid extraction. Separation and Purification Technology, 2019, 222, 390-395. | 7.9 | 23 |
| 74 | Influence of Agronomic Variables on the Macronutrient and Micronutrient Contents and Thermal Behavior of Mate Tea Leaves (Ilex paraguariensis). Journal of Agricultural and Food Chemistry, 2007, 55, 7510-7516. | 5.2 | 22 |
| 75 | InfluÃªncia da temperatura na solubilidade de beta-caroteno em solventes orgÃ¢nicos Ã pressÃ£o ambiente. Food Science and Technology, 2007, 27, 737-743. | 1.7 | 22 |
| 76 | Phase Behavior of the Reactant and Products of Cyclohexane Oxidation in Compressed CO2. Journal of Chemical & Engineering Data, 2008, 53, 2050-2055. | 1.9 | 22 |
| 77 | Rheological Properties of Water-in-Brazilian Crude Oil Emulsions: Effect of Water Content, Salinity, and pH. Energy & Fuels, 2018, 32, 8880-8890. | 5.1 | 22 |
| 78 | Chemical variation of tannins and triterpenes in Brazilian populations of Maytenus ilicifolia Mart. Ex Reiss. Brazilian Journal of Biology, 2009, 69, 339-345. | 0.9 | 21 |
| 79 | Correlations between Pulp Properties ofEucalyptusClones and Leaf Volatiles Using Automated Solid-Phase Microextraction. Journal of Agricultural and Food Chemistry, 2003, 51, 7848-7853. | 5.2 | 20 |
| 80 | Principais aplicaÃ§Ãµes das microondas na produÃ§Ã£o e refino de petrÃ³leo. Quimica Nova, 2008, 31, 1553-1561. | 0.3 | 20 |
| 81 | Catalytic oxidation of limonene, Î±-pinene and Î²-pinene by the complex [FeIII(BPMP)Cl(Î¼-O)FeIIICl3] biomimetic to MMO enzyme. Catalysis Today, 2008, 133-135, 695-698. | 4.4 | 19 |
| 82 | Dilatational Rheological Properties of Asphaltenes in Oilâ€“Water Interfaces: Langmuir Isotherm and Influence of Time, Concentration, and Heptol Ratios. Energy & Fuels, 2017, 31, 10233-10244. | 5.1 | 19 |
| 83 | Phase behavior of isotactic polypropylene/C4-solvents at high pressure. Experimental data and SAFT modeling. Journal of Supercritical Fluids, 2001, 21, 93-103. | 3.2 | 18 |
| 84 | Influence of Drying Methods and Agronomic Variables on the Chemical Composition of Mate Tea Leaves (Ilex paraguariensis A. St.-Hil) Obtained from High-Pressure CO<sub>2</sub> Extraction. Journal of Agricultural and Food Chemistry, 2007, 55, 10081-10085. | 5.2 | 18 |
| 85 | Propylene Solubility in Toluene and Isododecane. Canadian Journal of Chemical Engineering, 2003, 81, 147-152. | 1.7 | 18 |
| 86 | Analysis of organic compounds of water-in-crude oil emulsions separated by microwave heating using comprehensive two-dimensional gas chromatography and time-of-flight mass spectrometry. Journal of Chromatography A, 2009, 1216, 2860-2865. | 3.7 | 18 |
| 87 | PHASE EQUILIBRIA FOR BINARY SYSTEMS CONTAINING IONIC LIQUID WITH WATER OR HYDROCARBONS. Brazilian Journal of Chemical Engineering, 2015, 32, 967-974. | 1.3 | 18 |
| 88 | New perspectives on the modification of silica aerogel particles with ionic liquid used in lipase immobilization with platform in ethyl esters production. Process Biochemistry, 2018, 75, 157-165. | 3.7 | 18 |
| 89 | Encapsulation of neem (Azadirachta indica) seed oil in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by SFEE technique. Journal of Supercritical Fluids, 2019, 152, 104556. | 3.2 | 18 |
| 90 | Predicting diffusivities in dense fluid mixtures. Brazilian Journal of Chemical Engineering, 1999, 16, 213-227. | 1.3 | 18 |

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| 91 | Effect of treatment with compressed CO2 and propane on d-hydantoinase activity. Journal of Supercritical Fluids, 2008, 46, 342-350. | 3.2 | 17 |
| 92 | Solubility of Carbon Dioxide in Ethane-1,2-diolâ€“Water Mixtures. Journal of Chemical & Engineering Data, 2013, 58, 3464-3469. | 1.9 | 17 |
| 93 | Microwaveâ€Assisted Extraction of Phenolic Acids and Flavonoids from Physalis angulata. Journal of Food Process Engineering, 2017, 40, e12433. | 2.9 | 17 |
| 94 | Study on the use of aprotic ionic liquids as potential additives for crude oil upgrading, emulsion inhibition, and demulsification. Fluid Phase Equilibria, 2019, 489, 8-15. | 2.5 | 17 |
| 95 | Synthesis, characterization and benzene oxidation promoted by a new mononuclear copper(II) complex, [Cu(BTMEA)2Cl]Cl. Journal of the Brazilian Chemical Society, 2006, 17, 1551-1557. | 0.6 | 17 |
| 96 | Modeling and simulation of rapid expansion of supercritical solutions. Brazilian Journal of Chemical Engineering, 2006, 23, 417-425. | 1.3 | 16 |
| 97 | Kinetic Modeling of Solvent-Free Lipase-Catalyzed Partial Hydrolysis of Palm Oil. Applied Biochemistry and Biotechnology, 2012, 168, 1121-1142. | 2.9 | 16 |
| 98 | Ionic liquid as surfactant in microwaveâ€assisted emulsion polymerization. Journal of Applied Polymer Science, 2013, 127, 448-455. | 2.6 | 16 |
| 99 | Mathematical modeling and experimental esterification at supercritical conditions for biodiesel production in a tubular reactor. Energy Conversion and Management, 2018, 171, 1697-1703. | 9.2 | 16 |
| 100 | Revisiting the methodology for asphaltenes precipitation. Journal of Petroleum Science and Engineering, 2019, 178, 778-786. | 4.2 | 16 |
| 101 | Effect of high pressure CO2 sorption on the stability of metalorganic framework MOF-177 at different temperatures. Journal of Solid State Chemistry, 2019, 269, 320-327. | 2.9 | 16 |
| 102 | Application of a modified RESS process for polypropylene microparticle production. Fluid Phase Equilibria, 2005, 228-229, 381-388. | 2.5 | 15 |
| 103 | CaracterizaÃ§Ã£o quÃmica de extratos de Ocimum basilicum L. obtidos atravÃ©s de extraÃ§Ã£o com CO2 a altas pressÃµes. Quimica Nova, 2006, 29, 1198-1202. | 0.3 | 15 |
| 104 | Study of Asphaltene Precipitation in Crude Oils at Desalter Conditions by Near-Infrared Spectroscopy. Energy & Fuels, 2017, 31, 5031-5036. | 5.1 | 15 |
| 105 | Biological activities of Solanum paludosum Moric. extracts obtained by maceration and supercritical fluid extraction. Journal of Supercritical Fluids, 2011, 58, 391-397. | 3.2 | 14 |
| 106 | Volumetric properties of binary aqueous solutions of protic ionic liquids based on bis (2-hydroxyethyl) ammonium. Journal of Molecular Liquids, 2016, 222, 867-872. | 4.9 | 14 |
| 107 | Thermoliquefaction of palm oil fiber (Elaeis sp.) using supercritical ethanol. Bioresource Technology, 2017, 230, 1-7. | 9.6 | 14 |
| 108 | Use of real crude oil fractions to describe the high pressure phase behavior of crude oil in carbon dioxide. Journal of Supercritical Fluids, 2016, 118, 140-147. | 3.2 | 13 |

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|---|---|---|---|
| 109 | Influence of Ionic Liquids on the Viscoelastic Properties of Crude Oil Emulsions. Energy & Fuels, 2017, 31, 9132-9139. | 5.1 | 13 |
| 110 | High-pressure solubility of CO2 in glymes. Fuel, 2018, 219, 120-125. | 6.4 | 13 |
| 111 | Antiproliferative Activity of Neem Leaf Extracts Obtained by a Sequential Pressurized Liquid Extraction. Pharmaceuticals, 2018, 11, 76. | 3.8 | 13 |
| 112 | Solid-state radical grafting reaction of glycidyl methacrylate and poly(4-methyl-1-pentene) in supercritical carbon dioxide: Surface morphology and adhesion. Journal of Colloid and Interface Science, 2011, 361, 331-337. | 9.4 | 12 |
| 113 | Synthesis of the chiral stationary phase based on functionalized ZIF-8 with amylose carbamate. Journal of Materials Research, 2020, 35, 2936-2949. | 2.6 | 12 |
| 114 | Microorganisms screening for limonene oxidation. Food Science and Technology, 2010, 30, 399-405. | 1.7 | 11 |
| 115 | Horseradish peroxidase biocatalytic reaction monitoring using Near-Infrared (NIR) Spectroscopy. Process Biochemistry, 2018, 71, 127-133. | 3.7 | 11 |
| 116 | Oleochemistry potential from Brazil northeastern exotic plants. Biochimie, 2020, 178, 96-104. | 2.6 | 11 |
| 117 | Semi-volatile compounds variation among Brazilian populations of Ilex paraguariensis St. Hil.. Brazilian Archives of Biology and Technology, 2008, 51, 175-181. | 0.5 | 11 |
| 118 | Oxidases from mate tea leaves (Ilex paraguariensis): extraction optimization and stability at low and high temperatures. Bioprocess and Biosystems Engineering, 2008, 31, 541-550. | 3.4 | 10 |
| 119 | Liquidâ€“Liquid Equilibrium for Ternary Systems Containing Water, Oleic Acid, and Alcohols at 313.15 K. Effect of Alcohol Chain Length. Journal of Chemical & Engineering Data, 2015, 60, 2050-2056. | 1.9 | 10 |
| 120 | Microorganism Screening for Limonene Bioconversion and Correlation With RAPD Markers. Applied Biochemistry and Biotechnology, 2006, 132, 1023-1033. | 2.9 | 9 |
| 121 | Immobilization of d-hydantoinase in polyaniline. Journal of Molecular Catalysis B: Enzymatic, 2008, 55, 185-188. | 1.8 | 9 |
| 122 | Phase Behavior at High Pressure of the Ternary System: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CO</mml:mtext></mml:mrow><mml:mrow mathvariant="bold">2</mml:mi></mml:msub></mml:mrow></mml:math>, Ionic Liquid and Disperse Dye. Journal of Thermodynamics, 2012, 2012, 1-6. | 0.8 | 9 |
| 123 | Near infrared spectroscopy applied for high-pressure phase behavior measurements. Journal of Supercritical Fluids, 2015, 104, 221-226. | 3.2 | 9 |
| 124 | Extraction of organic material in mineral coal by using supercritical fluid extraction, soxhlet, and sonication methods. Journal of Separation Science, 1998, 10, 259-263. | 1.0 | 8 |
| 125 | Effect of water content on the equilibrium pressure of (carbon dioxide+decane and+decalin) from T=(313.15 to 333.15)K. Journal of Chemical Thermodynamics, 2013, 65, 11-17. | 2.0 | 8 |
| 126 | Phase Equilibria of the Systems CO<sub>2</sub> + Styrene, CO<sub>2</sub> + Safrole, and CO<sub>2</sub> + Styrene + Safrole. Journal of Chemical & Engineering Data, 2013, 58, 1685-1691. | 1.9 | 8 |

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| 127 | Evaluation of activity of Bacillus lipase (free and immobilized) treated with compressed propane. Journal of Molecular Catalysis B: Enzymatic, 2014, 99, 130-135. | 1.8 | 8 |
| 128 | Surface and Interface Characterization of Asphaltenic Fractions Obtained with Different Alkanes: A Study by Atomic Force Microscopy and Pendant Drop Tensiometry. Energy & Fuels, 2018, 32, 12174-12186. | 5.1 | 8 |
| 129 | Experimental design for model discrimination of thermodynamic models. Fluid Phase Equilibria, 1998, 146, 35-50. | 2.5 | 7 |
| 130 | Fatty acid ethyl esters production using a non-commercial lipase in pressurized propane medium. Food Science and Technology, 2009, 29, 603-608. | 1.7 | 7 |
| 131 | Experimental Study on the Solubility of Carbon Dioxide in Systems Containing Ethane-1,2-diol + Water + Salt (Sodium Chloride or Calcium Carbonate). Journal of Chemical & Engineering Data, 2017, 62, 62-68. | 1.9 | 6 |
| 132 | Surface crystallization of ionic liquid crystals. Physical Chemistry Chemical Physics, 2019, 21, 17792-17800. | 2.8 | 6 |
| 133 | Strontium-based low salinity water as an IOR/EOR method: Oil-brine interaction. Journal of Petroleum Science and Engineering, 2021, 202, 108549. | 4.2 | 6 |
| 134 | A subdivision algorithm for phase equilibrium calculations at high pressures. Brazilian Journal of Chemical Engineering, 2007, 24, 611-622. | 1.3 | 5 |
| 135 | Compressed propane as a new and fast method of pre-purification of radish (Raphanus sativus L.) peroxidase. Journal of Supercritical Fluids, 2010, 54, 153-158. | 3.2 | 5 |
| 136 | Extraction of Pecan nut (Carya illinoinensis) oil using different techniques and its antitumor potential in human cancer cells. Journal of Supercritical Fluids, 2022, 179, 105409. | 3.2 | 5 |
| 137 | Evaluation of the effects of process variables on the characteristics of the products from SCFE of a Brazilian mineral coal by statistical methods. Journal of Supercritical Fluids, 1998, 13, 343-350. | 3.2 | 4 |
| 138 | High-pressure cloud point data for the system glycerol + olive oil + n-butane + AOT. Brazilian Journal of Chemical Engineering, 2008, 25, 563-570. | 1.3 | 4 |
| 139 | Rapid decomposition of a cationic azoâ€initiator under microwave irradiation. Journal of Applied Polymer Science, 2010, 118, 1421-1429. | 2.6 | 4 |
| 140 | Microwave-assisted synthesis of malic acid involving hydrochloric acid as catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 793-802. | 1.7 | 4 |
| 141 | Application of Near-Infrared for Online Monitoring of Heavy Fuel Oil at Thermoelectric Power Plants. Part I: Development of Chemometric Models. Industrial & Engineering Chemistry Research, 2019, 58, 15681-15692. | 3.7 | 4 |
| 142 | Online monitoring of horseradish peroxidase structural changes by Near Infrared (NIR) Spectroscopy. Process Biochemistry, 2020, 90, 97-101. | 3.7 | 4 |
| 143 | Improving the SAFT-EOS by using an effective WCA segment diameter. Fluid Phase Equilibria, 2002, 194-197, 531-539. | 2.5 | 3 |
| 144 | Development of a system by atomization for the formation of polymeric particles in micro and sub-micro scales. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 451, 1-6. | 4.7 | 3 |

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| 145 | High-Pressure Phase Behavior for Poly(ethylene glycol) and 1,1,1,2-Tetrafluorethane Systems. Journal of Chemical & Engineering Data, 2017, 62, 1853-1858. | 1.9 | 3 |
| 146 | Monitoring of Generation and Stability of Droplets in Miniemulsion Polymerizarion Using the Nearâ€Infrared Spectroscopy. Macromolecular Reaction Engineering, 2017, 11, 1700007. | 1.5 | 3 |
| 147 | An experimental study of calcium carbonate precipitation with hydrate inhibitor in MEG recovery unit. Upstream Oil and Gas Technology, 2022, 8, 100061. | 2.3 | 3 |
| 148 | Study of CO2 and N2 sorption into ZIF-8 at high pressure and different temperatures. Journal of Solid State Chemistry, 2022, 314, 123370. | 2.9 | 3 |
| 149 | Phase Behavior for the System Carbon Dioxide + p-Nitrobenzaldehyde: Experimental and Modeling. Journal of Chemical & Engineering Data, 2019, 64, 2116-2125. | 1.9 | 2 |
| 150 | Stabilization of waterâ€inâ€oil emulsions using a wax ester synthesized by a new homemade heterogeneous biocatalyst. Journal of Chemical Technology and Biotechnology, 2022, 97, 1726-1735. | 3.2 | 2 |
| 151 | Design of experiments for thermodynamic model discrimination applied to phase equilibria at high pressures. Process Technol, 1996, 12, 379-384. | 0.1 | 1 |
| 152 | Theoretical and Empirical Studies on the Catalytic Partial Oxidation of Methane Promoted by FeY and Fe(piperazine)Y Complexes (Y = Y-zeolite). International Journal of Chemical Reactor Engineering, 2011, 9, . | 1.1 | 1 |
| 153 | Influence of magnetic field on barium sulfate incrustation from aqueous solutions. Heliyon, 2019, 5, e02032. | 3.2 | 1 |
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