

Manuel Nunes da Ponte

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3,847
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55
g-index

145
ext. papers

4,056
ext. citations

4.1
avg, IF

5.06
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 138 | A detailed thermodynamic analysis of [C4mim][BF4] + water as a case study to model ionic liquid aqueous solutions. <i>Green Chemistry</i> , 2004 , 6, 369-381 | 10 | 311 |
| 137 | Phase behaviour of room temperature ionic liquid solutions: an unusually large co-solvent effect in (water + ethanol). <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 1701-1703 | 3.6 | 208 |
| 136 | Thermophysical and Thermodynamic Properties of 1-Butyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Hexafluorophosphate over an Extended Pressure Range. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 997-1008 | 2.8 | 187 |
| 135 | Pressure, Isotope, and Water Co-solvent Effects in Liquid-Liquid Equilibria of (Ionic Liquid + Alcohol) Systems. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12797-12807 | 3.4 | 150 |
| 134 | Evidence for lower critical solution behavior in ionic liquid solutions. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6542-3 | 16.4 | 121 |
| 133 | The Influence of Phase Behavior on Reactions at Supercritical Conditions: The Hydrogenation of α -Pinene. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 2551-2554 | 3.9 | 108 |
| 132 | Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , 2012 , 3, 494 | 5 | 83 |
| 131 | Simultaneous viscosity and density measurement of supercritical CO ₂ -saturated PEG 400. <i>Journal of Supercritical Fluids</i> , 1998 , 13, 177-185 | 4.2 | 77 |
| 130 | Liquid-Liquid behaviour of ionic liquid- n -butanol-water and high pressure CO ₂ -induced phase changes. <i>Green Chemistry</i> , 2005 , 7, 443 | 10 | 76 |
| 129 | Selectivity enhancement in the catalytic heterogeneous hydrogenation of limonene in supercritical carbon dioxide by an ionic liquid. <i>Journal of Supercritical Fluids</i> , 2010 , 54, 210-217 | 4.2 | 66 |
| 128 | Phase equilibria of CO ₂ + dl- α -tocopherol at temperatures from 292 K to 333 K and pressures up to 26 MPa. <i>Fluid Phase Equilibria</i> , 1993 , 91, 133-143 | 2.5 | 64 |
| 127 | Phase equilibria of natural flavours and supercritical solvents. <i>Fluid Phase Equilibria</i> , 1989 , 52, 357-364 | 2.5 | 64 |
| 126 | Ammonium ionic liquids as green solvents for drugs. <i>Fluid Phase Equilibria</i> , 2013 , 338, 209-216 | 2.5 | 63 |
| 125 | Double Critical Phenomena in (Water + Polyacrylamides) Solutions. <i>Macromolecules</i> , 2002 , 35, 1887-1895 | 5.5 | 60 |
| 124 | High pressure phase equilibria for poly(ethylene glycol)s + CO ₂ : experimental results and modelling. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 5369-5375 | 3.6 | 57 |
| 123 | Biphasic hydrogenation of α -pinene in high-pressure carbon dioxide. <i>Green Chemistry</i> , 2005 , 7, 726 | 10 | 52 |
| 122 | Osmium catalyzed asymmetric dihydroxylation of methyl trans-cinnamate in ionic liquids, followed by supercritical CO ₂ product recovery. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 3600-3608 | 2.3 | 52 |

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| 121 | Liquid-Liquid Equilibrium of Mixtures of Imidazolium-Based Ionic Liquids with Propanediols or Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 4850-4857 | 3.9 | 51 |
| 120 | Distribution Ratios of Lipase-Catalyzed Reaction Products in Ionic Liquid Supercritical CO ₂ Systems: Resolution of 2-Octanol Enantiomers. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 4473-4480 | 2.9 | 51 |
| 119 | Phase equilibrium-driven selective hydrogenation of limonene in high-pressure carbon dioxide. <i>Green Chemistry</i> , 2007 , 9, 427-430 | 10 | 48 |
| 118 | Thermodynamic properties of liquid mixtures of argon + krypton. <i>The Journal of Physical Chemistry</i> , 1982 , 86, 1722-1729 | | 46 |
| 117 | Cyclic carbonate synthesis from CO ₂ and epoxides using zinc(II) complexes of arylhydrazones of diketones. <i>Journal of Catalysis</i> , 2016 , 335, 135-140 | 7.3 | 44 |
| 116 | Supercritical carbon dioxide-induced phase changes in (ionic liquid, water and ethanol mixture) solutions: application to biphasic catalysis. <i>ChemPhysChem</i> , 2003 , 4, 520-2 | 3.2 | 44 |
| 115 | Syngas production by electrochemical CO ₂ reduction in an ionic liquid based-electrolyte. <i>Journal of CO₂ Utilization</i> , 2017 , 18, 62-72 | 7.6 | 41 |
| 114 | Phase equilibrium-controlled chemical reaction kinetics in high pressure carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2009 , 47, 344-350 | 4.2 | 39 |
| 113 | Thermodynamics of liquid mixtures of xenon and hydrogen chloride. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1975 , 71, 1372 | | 39 |
| 112 | A Comparative Study of Naproxen β-Cyclodextrin Complexes Prepared by Conventional Methods and Using Supercritical Carbon Dioxide. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002 , 44, 117-121 | | 38 |
| 111 | An experimental study of the equation of state of liquid mixtures of nitrogen and methane, and the effect of pressure on their excess thermodynamic functions. <i>Journal of Chemical Thermodynamics</i> , 1978 , 10, 151-168 | 2.9 | 38 |
| 110 | Extraction of free fatty acids from soybean oil using ionic liquids or poly(ethyleneglycol)s. <i>AICHE Journal</i> , 2011 , 57, 1344-1355 | 3.6 | 37 |
| 109 | Lipase catalysed mono and di-acylation of secondary alcohols with succinic anhydride in organic media and ionic liquids. <i>Green Chemistry</i> , 2008 , 10, 243-248 | 10 | 37 |
| 108 | Synthesis of highly cross-linked poly(diethylene glycol dimethacrylate) microparticles in supercritical carbon dioxide. <i>European Polymer Journal</i> , 2005 , 41, 1947-1953 | 5.2 | 37 |
| 107 | Fractionation of Lipids in a Static Mixer and Packed Column Using Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 4820-4827 | 3.9 | 36 |
| 106 | On the application of supercritical fluid extraction to the deacidification of olive oils. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 1991 , 68, 474-480 | 1.8 | 36 |
| 105 | On the effect of polymer fractionation on phase equilibrium in CO ₂ +poly(ethylene glycol)s systems. <i>Journal of Supercritical Fluids</i> , 2000 , 16, 261-267 | 4.2 | 35 |
| 104 | Study on selectivity of β -myrcene hydrogenation in high-pressure carbon dioxide catalysed by noble metal catalysts. <i>Green Chemistry</i> , 2009 , 11, 1847 | 10 | 31 |

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| 103 | Limonene hydrogenation in high-pressure CO ₂ : Effect of hydrogen pressure. <i>Journal of Supercritical Fluids</i> , 2008 , 45, 225-230 | 4.2 | 31 |
| 102 | An apparatus for high-pressure VLE measurements using a static mixer. Results for (CO ₂ +limonene+citral) and (CO ₂ +limonene+linalool). <i>Journal of Supercritical Fluids</i> , 2003 , 25, 7-17 | 4.2 | 31 |
| 101 | Trimethylsilyl-substituted ligands as solubilizers of metal complexes in supercritical carbon dioxide. <i>Dalton Transactions</i> , 2003 , 2170-2176 | 4.3 | 31 |
| 100 | Two ways of looking at Prigogine and Defay's equation. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 2251-2259 | 3.6 | 31 |
| 99 | Co-solvent effects in LLE of 1-hydroxyethyl-3-methylimidazolium based ionic liquids+2-propanol+dichloromethane or 1,2-dichloroethane. <i>Fluid Phase Equilibria</i> , 2007 , 254, 35-41 | 2.5 | 30 |
| 98 | Clean osmium-catalyzed asymmetric dihydroxylation of olefins in ionic liquids and supercritical CO ₂ product recovery. <i>Chemical Communications</i> , 2005 , 107-9 | 5.8 | 30 |
| 97 | Phase equilibrium for capsaicin+water+ethanol+supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2002 , 22, 87-92 | 4.2 | 30 |
| 96 | Fractionation of Edible Oil Model Mixtures by Supercritical Carbon Dioxide in a Packed Column. Part I: Experimental Results. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1706-1711 | 3.9 | 29 |
| 95 | Carbon dioxide utilization Electrochemical reduction to fuels and synthesis of polycarbonates. <i>Journal of Supercritical Fluids</i> , 2018 , 134, 150-156 | 4.2 | 28 |
| 94 | Effect of Flow Rate of a Biphasic Reaction Mixture on Limonene Hydrogenation in High Pressure CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7060-7064 | 3.9 | 27 |
| 93 | Melting behaviour of ionic salts in the presence of high pressure CO ₂ . <i>Fluid Phase Equilibria</i> , 2010 , 294, 121-130 | 2.5 | 27 |
| 92 | Recovery of Wine-Must Aroma Compounds by Supercritical CO ₂ . <i>Food and Bioprocess Technology</i> , 2008 , 1, 74-81 | 5.1 | 27 |
| 91 | CpCo(CO) ₂ -catalysed cyclotrimerisation of alkynes in supercritical carbon dioxide. <i>Journal of Organometallic Chemistry</i> , 2001 , 632, 113-118 | 2.3 | 27 |
| 90 | Hydrogenation of Carbon Dioxide to Methane by Ruthenium Nanoparticles in Ionic Liquid. <i>ChemSusChem</i> , 2016 , 9, 1081-4 | 8.3 | 26 |
| 89 | Supercritical fluid extraction of tobacco leaves: A preliminary study on the extraction of solanesol. <i>Journal of Supercritical Fluids</i> , 2008 , 45, 171-176 | 4.2 | 25 |
| 88 | Pt- and Pd-catalysed limonene hydrogenation in high-density carbon dioxide. <i>Monatshefte für Chemie</i> , 2009 , 140, 1361-1369 | 1.4 | 24 |
| 87 | CO ₂ capture and electrochemical conversion. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018 , 11, 86-90 | 7.9 | 24 |
| 86 | Mass Transfer in Countercurrent Packed Columns: Application to Supercritical CO ₂ Extraction of Terpenes. <i>Industrial & Engineering Chemistry Research</i> , 1995 , 34, 613-618 | 3.9 | 23 |

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| 85 | Chiral Guanidinium Ionic Liquids for Asymmetric Dihydroxylation of Olefins with Recycling of the Catalytic System by Supercritical CO ₂ . <i>ACS Catalysis</i> , 2011 , 1, 1408-1413 | 13.1 | 22 |
| 84 | CO ₂ capture systems based on saccharides and organic superbases. <i>Faraday Discussions</i> , 2015 , 183, 429-446 | 3.9 | 21 |
| 83 | Fractionation of Edible Oil Model Mixtures by Supercritical Carbon Dioxide in a Packed Column. 2. A Mass-Transfer Study. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 2305-2315 | 3.9 | 21 |
| 82 | Solubility of CO ₂ in glycerol at high pressures. <i>Fluid Phase Equilibria</i> , 2013 , 358, 105-107 | 2.5 | 20 |
| 81 | The influence of hydrogen pressure on the heterogeneous hydrogenation of β -myrcene in a CO ₂ -expanded liquid. <i>Journal of Supercritical Fluids</i> , 2010 , 54, 46-52 | 4.2 | 20 |
| 80 | Optimisation of Supercritical Carbon Dioxide Systems for Complexation of Naproxen : Beta-Cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002 , 44, 69-73 | | 20 |
| 79 | Lipase catalyzed esterification of glycidol in organic solvents. <i>Biotechnology and Bioengineering</i> , 1993 , 42, 465-8 | 4.9 | 20 |
| 78 | Vapour-liquid equilibrium for β -myrcene and carbon dioxide and/or hydrogen and the volume expansion of β -myrcene or limonene in CO ₂ at 323.15K. <i>Fluid Phase Equilibria</i> , 2009 , 282, 25-30 | 2.5 | 19 |
| 77 | Synthesis and properties of reversible ionic liquids using CO ₂ , mono- to multiple functionalization. <i>Tetrahedron</i> , 2012 , 68, 7408-7413 | 2.4 | 18 |
| 76 | The excess thermodynamic properties of liquid (CH ₄ +CD ₄). <i>Journal of Chemical Physics</i> , 1994 , 100, 4582-4590 | 3.9 | 18 |
| 75 | The equation of state and thermodynamic properties of liquid hydrogen chloride. <i>Journal of Chemical Thermodynamics</i> , 1981 , 13, 179-186 | 2.9 | 18 |
| 74 | Solubility studies on the system of trihexyl(tetradecyl)phosphonium bis[(trifluoromethyl)sulfonyl]amide ionic liquid and pharmaceutical and bioactive compounds. <i>Fluid Phase Equilibria</i> , 2015 , 385, 1-9 | 2.5 | 17 |
| 73 | Solubility of carbon dioxide in ammonium based CO ₂ -induced ionic liquids. <i>Fluid Phase Equilibria</i> , 2013 , 354, 19-23 | 2.5 | 17 |
| 72 | Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide. <i>Journal of Organometallic Chemistry</i> , 2001 , 626, 227-232 | 2.3 | 17 |
| 71 | Liquid-liquid phase equilibria in nicotine (aqueous) solutions. <i>Fluid Phase Equilibria</i> , 2011 , 310, 198-206 | 2.5 | 16 |
| 70 | An experimental study of the equation of state of liquid (argon + methane), and the effect of pressure on their excess thermodynamic functions. <i>Journal of Chemical Thermodynamics</i> , 1981 , 13, 767-781 | 2.9 | 16 |
| 69 | Reversible systems based on CO ₂ , amino-acids and organic superbases. <i>RSC Advances</i> , 2015 , 5, 35564-35571 | 3.7 | 15 |
| 68 | High pressure phase equilibrium for β -tocopherol + CO ₂ . <i>Fluid Phase Equilibria</i> , 2004 , 216, 53-57 | 2.5 | 15 |

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| 67 | High-pressure delignification of Eucalyptus Wood by 1,4-Dioxane-CO ₂ Mixtures. <i>Journal of Supercritical Fluids</i> , 1994 , 7, 87-92 | 4.2 | 15 |
| 66 | The thermodynamic excess functions of krypton+ethene liquid mixtures. <i>Journal of Chemical Thermodynamics</i> , 1978 , 10, 35-44 | 2.9 | 15 |
| 65 | CO ₂ + ionic liquid biphasic system for reaction/product separation in the synthesis of cyclic carbonates. <i>Journal of Supercritical Fluids</i> , 2018 , 132, 71-75 | 4.2 | 15 |
| 64 | VLE of CO ₂ +glycerol+(ethanol or 1-propanol or 1-butanol). <i>Fluid Phase Equilibria</i> , 2011 , 303, 180-183 | 2.5 | 14 |
| 63 | Vapor-Liquid Equilibrium and Critical Line of the CO ₂ + Xe System. Critical Behavior of CO ₂ + Xe versus CO ₂ + n-Alkanes. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 791-795 | 3.4 | 14 |
| 62 | High Pressure Carbon Dioxide Extraction from Coriander Plants. Headspace Analysis. <i>Journal of Essential Oil Research</i> , 1993 , 5, 645-649 | 2.3 | 14 |
| 61 | Cleaning of microfiltration membranes from industrial contaminants using greener alternatives in a continuous mode. <i>Journal of Supercritical Fluids</i> , 2015 , 102, 115-122 | 4.2 | 12 |
| 60 | Quality assessment of refined olive oils by gas extraction. <i>Journal of Supercritical Fluids</i> , 1998 , 13, 337-344 | 1.2 | 12 |
| 59 | Phase equilibrium and kinetics of O ₂ -oxidation of limonene in high pressure carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2012 , 66, 23-28 | 4.2 | 11 |
| 58 | Recovery of erythromycin from aqueous solutions with an ionic liquid and high-pressure carbon dioxide. <i>Chemical Engineering Journal</i> , 2011 , 171, 904-911 | 14.7 | 11 |
| 57 | Quaternary Phase Equilibria for scCO ₂ + Biophenolic Compound + Water + Ethanol. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 244-247 | 2.8 | 11 |
| 56 | (p, V _m , T) of (0.476Ar + 0.524N ₂)(l) and the calculation of thermodynamic properties of liquid air. <i>Journal of Chemical Thermodynamics</i> , 1992 , 24, 1281-1291 | 2.9 | 11 |
| 55 | On the calibration of the volume of a high pressure cell with density data. <i>Cryogenics</i> , 1980 , 20, 416-418 | 1.8 | 11 |
| 54 | Influence of Water on the Carbon Dioxide Solubility in [OTf] ⁻ and [eFAP] ⁻ -Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 907-912 | 2.8 | 10 |
| 53 | Volumetric and phase behaviour of mixtures of tetracyanoborate-based ionic liquids with high pressure carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2016 , 113, 31-38 | 4.2 | 10 |
| 52 | High-Pressure Phase Equilibrium of CO ₂ + 2-Phenylethanol and CO ₂ + 3-Methyl-1-butanol. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 847-850 | 2.8 | 10 |
| 51 | Correlation of Vapor-Liquid Equilibrium for Carbon Dioxide + Ethanol + Water at Temperatures from 35 to 70°C. <i>Separation Science and Technology</i> , 2000 , 35, 2187-2201 | 2.5 | 10 |
| 50 | Volumetric and phase behaviour of mixtures of fluoroalkylphosphate-based ionic liquids with high pressure carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2016 , 113, 61-65 | 4.2 | 10 |

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| 49 | Viscosity of poly(ethyleneglycol) 200 [PEG 200] saturated with supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2017 , 128, 300-307 | 4.2 | 9 |
| 48 | Second Virial Coefficients of Mixtures of Xenon and Lower Hydrocarbons. 1. Experimental Apparatus and Results for Xe + C ₂ H ₆ . <i>The Journal of Physical Chemistry</i> , 1996 , 100, 18839-18843 | | 9 |
| 47 | Vapor pressure of partially deuterated methanes (CH ₃ D, CH ₂ D ₂ , and CHD ₃). <i>Journal of Chemical Physics</i> , 1997 , 106, 8792-8798 | 3.9 | 9 |
| 46 | Phase behaviour of the catalyst dicarbonyl(β -cyclopentadienyl)-cobalt in carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004 , 31, 1-8 | 4.2 | 9 |
| 45 | Water and Gallium at Absolute Negative Pressures. Loci of Maximum Density and of Melting. <i>International Journal of Thermophysics</i> , 2001 , 22, 1159-1174 | 2.1 | 9 |
| 44 | Binary and Ternary Phase Behavior of α -Pinene, β -Pinene, and Supercritical Ethene. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 1104-1110 | 2.8 | 9 |
| 43 | Phase equilibria of ethene + limonene and ethene + cineole from 285 k to 308 k and pressures to 8 mpa. <i>Fluid Phase Equilibria</i> , 1993 , 83, 193-202 | 2.5 | 9 |
| 42 | Thermodynamic properties of liquid mixtures of krypton + methane. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1983 , 79, 1869 | | 9 |
| 41 | Kinetics of Limonene Hydrogenation in High-Pressure CO ₂ at Variation of Hydrogen Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 2084-2090 | 3.9 | 8 |
| 40 | Phase behaviour study of chalcone in dense CO ₂ . <i>Journal of Supercritical Fluids</i> , 2009 , 49, 9-15 | 4.2 | 8 |
| 39 | Characterisation of Residues and Extracts of High-Pressure Extraction of Eucalyptus Wood by 1,4-Dioxane-CO ₂ Mixtures. Part I. Characterisation by FTIR, UV and HPLC. <i>Holzforschung</i> , 1996 , 50, 531-540 | | 8 |
| 38 | Highly water soluble room temperature superionic liquids of APIs. <i>New Journal of Chemistry</i> , 2017 , 41, 6986-6990 | 3.6 | 7 |
| 37 | Electrochemical production of syngas from CO ₂ at pressures up to 30 bar in electrolytes containing ionic liquid. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 1982-1990 | 4.9 | 7 |
| 36 | CO ₂ capture and reversible release using mono-saccharides and an organic superbase. <i>Journal of Supercritical Fluids</i> , 2015 , 105, 151-157 | 4.2 | 7 |
| 35 | High-pressure phase behaviour of binary (CO ₂ +nicotine) and ternary (CO ₂ +nicotine+solanesol) mixtures. <i>Fluid Phase Equilibria</i> , 2009 , 282, 58-64 | 2.5 | 7 |
| 34 | Non-ideality of an ideal liquid mixture: (36Ar+40Ar). <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 1095-1097 | | 7 |
| 33 | High Pressure CO ₂ Extraction from Geranium Plants. <i>Journal of Essential Oil Research</i> , 1993 , 5, 185-189 | 2.3 | 7 |
| 32 | Thermodynamic properties of liquid mixtures of carbon monoxide and methane. <i>Fluid Phase Equilibria</i> , 1984 , 16, 185-204 | 2.5 | 7 |

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| 31 | Molar volumes of orthobaric liquid argon. <i>Cryogenics</i> , 1980 , 20, 601-604 | 1.8 | 7 |
| 30 | Tetramethylguanidine-based gels and colloids of cellulose. <i>Carbohydrate Polymers</i> , 2017 , 169, 58-64 | 10.3 | 6 |
| 29 | Chemoinformatic Approaches To Predict the Viscosities of Ionic Liquids and Ionic Liquid-Containing Systems. <i>ChemPhysChem</i> , 2019 , 20, 2767-2773 | 3.2 | 6 |
| 28 | Phase behavior studies of a perfluoropolyether in high-pressure carbon dioxide. <i>Fluid Phase Equilibria</i> , 2004 , 224, 257-261 | 2.5 | 6 |
| 27 | (p, Vm, T) measurements on liquid and gaseous mixtures near the critical point. I. (xenon + ethane). <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 877-889 | 2.9 | 6 |
| 26 | Evidence for nonideality in the fundamental liquid mixture (36Ar+40Ar). <i>Journal of Chemical Physics</i> , 2000 , 113, 8706-8716 | 3.9 | 6 |
| 25 | Second Virial Coefficients of Mixtures of Xenon and Lower Hydrocarbons. 2. Results for Xe + C2H4 and Theoretical Calculations. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 18844-18847 | | 6 |
| 24 | Carbon Materials as Cathode Constituents for Electrochemical CO2 Reduction – Review. <i>Journal of Carbon Research</i> , 2019 , 5, 83 | 3.3 | 6 |
| 23 | Performance of Sodium Chloride versus Commercial Ionic Liquid as Salting-Out Media for the Separation of Nicotine from Its Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 9883-9888 | 3.9 | 5 |
| 22 | Use of Organic Superbases and Temperature Effects for the Development of Reversible Protic Amino Acid Salts. <i>Synlett</i> , 2013 , 24, 2525-2530 | 2.2 | 5 |
| 21 | Thermodynamics of binary liquid mixtures of partially deuterated methanes with CH4 or CD4. <i>Journal of Chemical Physics</i> , 1997 , 106, 8799-8805 | 3.9 | 5 |
| 20 | Phase equilibria for {2,3-epoxypropanol (Glycidol) + carbon dioxide} from T= 292 K to T= 343 K at pressures up to 27 MPa. <i>Journal of Chemical Thermodynamics</i> , 1997 , 29, 197-209 | 2.9 | 5 |
| 19 | Ternary-phase equilibria for CO2+3-methyl-1-butanol+2-phenylethanol. <i>Journal of Supercritical Fluids</i> , 2005 , 34, 189-194 | 4.2 | 5 |
| 18 | Second and third virial coefficients of three binary mixtures containing xenon, at 273 K: Comparison between Xe + C2H6, Xe + C2H4 and Xe + CO2. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 4709-4715 | 3.6 | 5 |
| 17 | (p, Vm, T) measurements on liquid and gaseous mixtures near the critical point. II. (xenon + ethene). <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 891-900 | 2.9 | 5 |
| 16 | (p, Vm, T) measurements on gaseous and liquid (0.5Xe + 0.5C2H6) near the critical region. <i>Journal of Chemical Thermodynamics</i> , 1994 , 26, 889-896 | 2.9 | 5 |
| 15 | Excess thermodynamic properties of argon + methane: a standard simple liquid system. <i>Fluid Phase Equilibria</i> , 1989 , 49, 9-20 | 2.5 | 5 |
| 14 | Second virial coefficients of carbon monoxide. <i>Journal of Chemical Thermodynamics</i> , 1987 , 19, 941-947 | 2.9 | 5 |

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| 13 | Dimerization and thermodynamic properties of nitric oxide. <i>Journal of Molecular Liquids</i> , 1995 , 67, 105-108 | | 4 |
| 12 | Ternary phase equilibria of ethene + cineole + limonene at 288 and 298 K and pressures to 7 MPa. <i>Journal of Supercritical Fluids</i> , 1994 , 7, 101-106 | 4.2 | 4 |
| 11 | The melting curve of carbon monoxide. <i>Journal of Chemical Thermodynamics</i> , 1982 , 14, 1197-1198 | 2.9 | 4 |
| 10 | Bio-inspired Systems for Carbon Dioxide Capture, Sequestration and Utilization 2017 , | | 3 |
| 9 | CO ₂ + Methanol + Glycerol: Multiphase behaviour. <i>Journal of Supercritical Fluids</i> , 2018 , 141, 260-264 | 4.2 | 2 |
| 8 | Phase behavior studies of a perfluoropolyether in high-pressure carbon dioxide. <i>Fluid Phase Equilibria</i> , 2005 , 228-229, 367-371 | 2.5 | 2 |
| 7 | Simple liquid mixtures under pressure and the van der waals - one fluid theory. <i>Fluid Phase Equilibria</i> , 1987 , 37, 63-74 | 2.5 | 2 |
| 6 | Catalytic effect of different hydroxyl-functionalised ionic liquids together with Zn(II) complex in the synthesis of cyclic carbonates from CO ₂ . <i>Molecular Catalysis</i> , 2021 , 499, 111292 | 3.3 | 2 |
| 5 | Hydrogenation of CO ₂ -Expanded Liquid Terpenes: Phase Equilibrium-Controlled Kinetics. <i>ACS Symposium Series</i> , 2009 , 191-201 | 0.4 | 1 |
| 4 | Characterisation of Residues and Extracts of High-Pressure Extraction of Eucalyptus Wood with 1,4-Dioxane-CO ₂ Mixtures. Part II. Determination of Macromolecular Parameters of Lignins Extracted with High-Pressure 1,4-Dioxane. <i>Holzforschung</i> , 1997 , 51, 57-61 | 2 | 1 |
| 3 | Scale-up of a supercritical extraction unit for the deacidification of olive oil. <i>Process Technol</i> , 1996 , 487-492 | | 1 |
| 2 | Phase equilibrium data needs for the design of supercritical fluid extraction columns. <i>Pure and Applied Chemistry</i> , 1999 , 71, 1301-1306 | 2.1 | 1 |
| 1 | High - pressure extraction of cork with CO ₂ and 1,4-dioxane. <i>Process Technol</i> , 1996 , 12, 417-422 | | |