

# Manuel Nunes da Ponte

## List of Publications by Year in descending order

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143  
papers

4,295  
citations

101384

36  
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59  
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145  
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145  
docs citations

145  
times ranked

3182  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.6	334
2	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.	1.3	221
3	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 &amp; Engineering Data</i> , 2005, 50, 997-1008.	1.0	201
4	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.	1.2	158
5	Evidence for Lower Critical Solution Behavior in Ionic Liquid Solutions. <i>Journal of the American Chemical Society</i> , 2005, 127, 6542-6543.	6.6	128
6	The Influence of Phase Behavior on Reactions at Supercritical Conditions: The Hydrogenation of $\alpha$ -Pinene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 2551-2554.	1.8	116
7	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , 2012, 3, 494.	3.5	105
8	Simultaneous viscosity and density measurement of supercritical CO <sub>2</sub> -saturated PEG 400. <i>Journal of Supercritical Fluids</i> , 1998, 13, 177-185.	1.6	85
9	Liquid-liquid behaviour of ionic liquid-1-butanol-water and high pressure CO <sub>2</sub> -induced phase changes. <i>Green Chemistry</i> , 2005, 7, 443.	4.6	80
10	Phase equilibria of CO <sub>2</sub> + dl- $\alpha$ -tocopherol at temperatures from 292 K to 333 K and pressures up to 26 MPa. <i>Fluid Phase Equilibria</i> , 1993, 91, 133-143.	1.4	71
11	Ammonium ionic liquids as green solvents for drugs. <i>Fluid Phase Equilibria</i> , 2013, 338, 209-216.	1.4	70
12	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.	1.6	68
13	Phase equilibria of natural flavours and supercritical solvents. <i>Fluid Phase Equilibria</i> , 1989, 52, 357-364.	1.4	67
14	Double Critical Phenomena in (Water + Polyacrylamides) Solutions. <i>Macromolecules</i> , 2002, 35, 1887-1895.	2.2	67
15	Cyclic carbonate synthesis from CO <sub>2</sub> and epoxides using zinc(II) complexes of arylhydrazones of $\beta$ -diketones. <i>Journal of Catalysis</i> , 2016, 335, 135-140.	3.1	62
16	High pressure phase equilibria for poly(ethylene glycol)s + CO <sub>2</sub> : experimental results and modelling. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5369-5375.	1.3	61
17	Osmium catalyzed asymmetric dihydroxylation of methyl trans-cinnamate in ionic liquids, followed by supercritical CO <sub>2</sub> product recovery. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3600-3608.	0.8	56
18	Liquid-Liquid Equilibrium of Mixtures of Imidazolium-Based Ionic Liquids with Propanediols or Glycerol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 4850-4857.	1.8	55

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19	Biphasic hydrogenation of $\alpha$ -pinene in high-pressure carbon dioxide. <i>Green Chemistry</i> , 2005, 7, 726.	4.6	54
20	Thermodynamic properties of liquid mixtures of argon + krypton. <i>The Journal of Physical Chemistry</i> , 1982, 86, 1722-1729.	2.9	52
21	Distribution Ratios of Lipase-Catalyzed Reaction Products in Ionic Liquid Supercritical CO <sub>2</sub> Systems: Resolution of 2-Octanol Enantiomers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 4473-4480.	1.8	52
22	Syngas production by electrochemical CO <sub>2</sub> reduction in an ionic liquid based-electrolyte. <i>Journal of CO<sub>2</sub> Utilization</i> , 2017, 18, 62-72.	3.3	52
23	Phase equilibrium-driven selective hydrogenation of limonene in high-pressure carbon dioxide. <i>Green Chemistry</i> , 2007, 9, 427-430.	4.6	49
24	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 44, 117-121.	1.6	48
25	Phase equilibrium-controlled chemical reaction kinetics in high pressure carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2009, 47, 344-350.	1.6	46
26	Supercritical Carbon Dioxide-Induced Phase Changes in (Ionic Liquid, Water and Ethanol Mixture) Solutions: Application to Biphasic Catalysis.. <i>ChemPhysChem</i> , 2003, 4, 520-522.	1.0	45
27	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.	0.8	41
28	Clean osmium-catalyzed asymmetric dihydroxylation of olefins in ionic liquids and supercritical CO <sub>2</sub> product recovery. <i>Chemical Communications</i> , 2005, , 107.	2.2	41
29	Extraction of free fatty acids from soybean oil using ionic liquids or poly(ethyleneglycol)s. <i>AIChE Journal</i> , 2011, 57, 1344-1355.	1.8	41
30	Thermodynamics of liquid mixtures of xenon and hydrogen chloride. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1975, 71, 1372.	1.0	40
31	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.	1.0	39
32	On the effect of polymer fractionation on phase equilibrium in CO <sub>2</sub> +poly(ethylene glycol)s systems. <i>Journal of Supercritical Fluids</i> , 2000, 16, 261-267.	1.6	39
33	Synthesis of highly cross-linked poly(diethylene glycol dimethacrylate) microparticles in supercritical carbon dioxide. <i>European Polymer Journal</i> , 2005, 41, 1947-1953.	2.6	39
34	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.	4.6	39
35	Fractionation of Lipids in a Static Mixer and Packed Column Using Supercritical Carbon Dioxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 4820-4827.	1.8	38
36	Hydrogenation of Carbon Dioxide to Methane by Ruthenium Nanoparticles in Ionic Liquid. <i>ChemSusChem</i> , 2016, 9, 1081-1084.	3.6	38

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37	Carbon dioxide utilization – Electrochemical reduction to fuels and synthesis of polycarbonates. <i>Journal of Supercritical Fluids</i> , 2018, 134, 150-156.	1.6	37
38	CO <sub>2</sub> capture and electrochemical conversion. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 11, 86-90.	3.2	36
39	Limonene hydrogenation in high-pressure CO <sub>2</sub> : Effect of hydrogen pressure. <i>Journal of Supercritical Fluids</i> , 2008, 45, 225-230.	1.6	35
40	Study on selectivity of $\beta$ -myrcene hydrogenation in high-pressure carbon dioxide catalysed by noble metal catalysts. <i>Green Chemistry</i> , 2009, 11, 1847.	4.6	34
41	CpCo(CO) <sub>2</sub> -catalysed cyclotrimerisation of alkynes in supercritical carbon dioxide. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 113-118.	0.8	33
42	An apparatus for high-pressure VLE measurements using a static mixer. Results for (CO <sub>2</sub> +limonene+citral) and (CO <sub>2</sub> +limonene+linalool). <i>Journal of Supercritical Fluids</i> , 2003, 25, 7-17.	1.6	33
43	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.	1.4	33
44	Supercritical fluid extraction of tobacco leaves: A preliminary study on the extraction of solanesol. <i>Journal of Supercritical Fluids</i> , 2008, 45, 171-176.	1.6	32
45	Fractionation of Edible Oil Model Mixtures by Supercritical Carbon Dioxide in a Packed Column. Part I: Experimental Results. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 1706-1711.	1.8	31
46	Two ways of looking at Prigogine and Defay's equation Electronic supplementary information (ESI) available: Sources of $vE(x,T)$ and $hE(x,T)$ data. See <a href="http://www.rsc.org/suppdata/cp/b2/b200292b/">http://www.rsc.org/suppdata/cp/b2/b200292b/</a> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2251-2259.	1.3	31
47	Phase equilibrium for capsaicin+water+ethanol+supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2002, 22, 87-92.	1.6	31
48	Trimethylsilyl-substituted ligands as solubilizers of metal complexes in supercritical carbon dioxide. <i>Dalton Transactions</i> , 2003, , 2170-2176.	1.6	31
49	Melting behaviour of ionic salts in the presence of high pressure CO <sub>2</sub> . <i>Fluid Phase Equilibria</i> , 2010, 294, 121-130.	1.4	31
50	Recovery of Wine-Must Aroma Compounds by Supercritical CO <sub>2</sub> . <i>Food and Bioprocess Technology</i> , 2008, 1, 74-81.	2.6	30
51	Effect of Flow Rate of a Biphasic Reaction Mixture on Limonene Hydrogenation in High Pressure CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 7060-7064.	1.8	29
52	Pt- and Pd-catalysed limonene hydrogenation in high-density carbon dioxide. <i>Monatshefte für Chemie</i> , 2009, 140, 1361-1369.	0.9	28
53	Mass Transfer in Countercurrent Packed Columns: Application to Supercritical CO <sub>2</sub> Extraction of Terpenes. <i>Industrial &amp; Engineering Chemistry Research</i> , 1995, 34, 613-618.	1.8	27
54	Solubility of CO <sub>2</sub> in glycerol at high pressures. <i>Fluid Phase Equilibria</i> , 2013, 358, 105-107.	1.4	26

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55	Chiral Guanidinium Ionic Liquids for Asymmetric Dihydroxylation of Olefins with Recycling of the Catalytic System by Supercritical CO <sub>2</sub> . ACS Catalysis, 2011, 1, 1408-1413.	5.5	25
56	CO <sub>2</sub> + ionic liquid biphasic system for reaction/product separation in the synthesis of cyclic carbonates. Journal of Supercritical Fluids, 2018, 132, 71-75.	1.6	25
57	CO <sub>2</sub> capture systems based on saccharides and organic superbases. Faraday Discussions, 2015, 183, 429-444.	1.6	23
58	The equation of state and thermodynamic properties of liquid hydrogen chloride. Journal of Chemical Thermodynamics, 1981, 13, 179-186.	1.0	22
59	Vapor-Liquid Equilibrium and Critical Line of the CO <sub>2</sub> + Xe System. Critical Behavior of CO <sub>2</sub> + Xe versus CO <sub>2</sub> + n-Alkanes. Journal of Physical Chemistry B, 2000, 104, 791-795.	1.2	21
60	Transition-metal-mediated activation of arylisocyanates in supercritical carbon dioxide. Journal of Organometallic Chemistry, 2001, 626, 227-232.	0.8	21
61	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 69-73.	1.6	21
62	Fractionation of Edible Oil Model Mixtures by Supercritical Carbon Dioxide in a Packed Column. 2. A Mass-Transfer Study. Industrial & Engineering Chemistry Research, 2002, 41, 2305-2315.	1.8	21
63	The influence of hydrogen pressure on the heterogeneous hydrogenation of $\beta$ -myrcene in a CO <sub>2</sub> -expanded liquid. Journal of Supercritical Fluids, 2010, 54, 46-52.	1.6	21
64	Synthesis and properties of reversible ionic liquids using CO <sub>2</sub> , mono- to multiple functionalization. Tetrahedron, 2012, 68, 7408-7413.	1.0	21
65	Lipase catalyzed esterification of glycidol in organic solvents. Biotechnology and Bioengineering, 1993, 42, 465-468.	1.7	20
66	The excess thermodynamic properties of liquid (CH <sub>4</sub> +CD <sub>4</sub> ). Journal of Chemical Physics, 1994, 100, 4582-4590.	1.2	20
67	Vapor-liquid equilibrium for $\beta$ -myrcene and carbon dioxide and/or hydrogen and the volume expansion of $\beta$ -myrcene or limonene in CO <sub>2</sub> at 323.15K. Fluid Phase Equilibria, 2009, 282, 25-30.	1.4	20
68	VLE of CO <sub>2</sub> +glycerol+(ethanol or 1-propanol or 1-butanol). Fluid Phase Equilibria, 2011, 303, 180-183.	1.4	19
69	Solubility studies on the system of trihexyl(tetradecyl)phosphonium Phase Equilibria, 2015, 385, 1-9.	1.4	19
70	Solubility of carbon dioxide in ammonium based CO <sub>2</sub> -induced ionic liquids. Fluid Phase Equilibria, 2013, 354, 19-23.	1.4	18
71	An experimental study of the equation of state of liquid (argon + methane), and the effect of pressure on their excess thermodynamic functions. Journal of Chemical Thermodynamics, 1981, 13, 767-781.	1.0	16
72	High-pressure delignification of Eucalyptus Wood by 1,4-Dioxane-CO <sub>2</sub> Mixtures. Journal of Supercritical Fluids, 1994, 7, 87-92.	1.6	16

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73	Liquid-liquid phase equilibria in nicotine (aqueous) solutions. <i>Fluid Phase Equilibria</i> , 2011, 310, 198-206.	1.4	16
74	Reversible systems based on CO <sub>2</sub> , amino-acids and organic superbases. <i>RSC Advances</i> , 2015, 5, 35564-35571.	1.7	16
75	The thermodynamic excess functions of krypton+ethene liquid mixtures. <i>Journal of Chemical Thermodynamics</i> , 1978, 10, 35-44.	1.0	15
76	High Pressure Carbon Dioxide Extraction from Coriander Plants. <i>Headspace Analysis. Journal of Essential Oil Research</i> , 1993, 5, 645-649.	1.3	15
77	Quality assessment of refined olive oils by gas extraction. <i>Journal of Supercritical Fluids</i> , 1998, 13, 337-341.	1.6	15
78	High pressure phase equilibrium for $\alpha$ -tocopherol + CO <sub>2</sub> . <i>Fluid Phase Equilibria</i> , 2004, 216, 53-57.	1.4	15
79	Electrochemical production of syngas from CO <sub>2</sub> at pressures up to 30 bar in electrolytes containing ionic liquid. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1982-1990.	1.9	15
80	Recovery of erythromycin from aqueous solutions with an ionic liquid and high-pressure carbon dioxide. <i>Chemical Engineering Journal</i> , 2011, 171, 904-911.	6.6	14
81	Cleaning of microfiltration membranes from industrial contaminants using "greener" alternatives in a continuous mode. <i>Journal of Supercritical Fluids</i> , 2015, 102, 115-122.	1.6	14
82	Phase equilibrium and kinetics of O <sub>2</sub> -oxidation of limonene in high pressure carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2012, 66, 23-28.	1.6	13
83	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.	1.6	13
84	Influence of Water on the Carbon Dioxide Solubility in [OTf]- and [eFAP]-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 907-912.	1.0	13
85	(p, V <sub>m</sub> , T) of (0.476Ar + 0.524N <sub>2</sub> )(l) and the calculation of thermodynamic properties of liquid air. <i>Journal of Chemical Thermodynamics</i> , 1992, 24, 1281-1291.	1.0	12
86	Second Virial Coefficients of Mixtures of Xenon and Lower Hydrocarbons. 1. Experimental Apparatus and Results for Xe + C <sub>2</sub> H <sub>6</sub> . <i>The Journal of Physical Chemistry</i> , 1996, 100, 18839-18843.	2.9	12
87	Quaternary Phase Equilibria for scCO <sub>2</sub> + Biphenolic Compound + Water + Ethanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 244-247.	1.0	12
88	On the calibration of the volume of a high pressure cell with density data. <i>Cryogenics</i> , 1980, 20, 416-418.	0.9	11
89	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.	1.3	11
90	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.	1.6	11

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91	Highly water soluble room temperature superionic liquids of APIs. <i>New Journal of Chemistry</i> , 2017, 41, 6986-6990.	1.4	11
92	Viscosity of poly(ethyleneglycol) 200 [PEG 200] saturated with supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2017, 128, 300-307.	1.6	11
93	Binary and Ternary Phase Behavior of $\hat{1}$ -Pinene, $\hat{2}$ -Pinene, and Supercritical Ethene. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 1104-1110.	1.0	10
94	Water and Gallium at Absolute Negative Pressures. Loci of Maximum Density and of Melting. <i>International Journal of Thermophysics</i> , 2001, 22, 1159-1174.	1.0	10
95	High-Pressure Phase Equilibrium of CO <sub>2</sub> + 2-Phenylethanol and CO <sub>2</sub> + 3-Methyl-1-butanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 847-850.	1.0	10
96	Chemoinformatic Approaches To Predict the Viscosities of Ionic Liquids and Ionic Liquid-Containing Systems. <i>ChemPhysChem</i> , 2019, 20, 2767-2773.	1.0	10
97	Thermodynamic properties of liquid mixtures of krypton + methane. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1983, 79, 1869.	1.0	9
98	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.	1.4	9
99	Second Virial Coefficients of Mixtures of Xenon and Lower Hydrocarbons. 2. Results for Xe + C <sub>2</sub> H <sub>4</sub> and Theoretical Calculations. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18844-18847.	2.9	9
100	Vapor pressure of partially deuterated methanes (CH <sub>3</sub> D, CH <sub>2</sub> D <sub>2</sub> , and CHD <sub>3</sub> ). <i>Journal of Chemical Physics</i> , 1997, 106, 8792-8798.	1.2	9
101	Phase behaviour of the catalyst dicarbonyl( $\hat{1}$ -5-cyclopentadienyl)-cobalt in carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2004, 31, 1-8.	1.6	9
102	High-pressure phase behaviour of binary (CO <sub>2</sub> +nicotine) and ternary (CO <sub>2</sub> +nicotine+solanesol) mixtures. <i>Fluid Phase Equilibria</i> , 2009, 282, 58-64.	1.4	9
103	Kinetics of Limonene Hydrogenation in High-Pressure CO <sub>2</sub> at Variation of Hydrogen Pressure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 2084-2090.	1.8	9
104	Tetramethylguanidine-based gels and colloids of cellulose. <i>Carbohydrate Polymers</i> , 2017, 169, 58-64.	5.1	9
105	Carbon Materials as Cathode Constituents for Electrochemical CO <sub>2</sub> Reduction – A Review. <i>Journal of Carbon Research</i> , 2019, 5, 83.	1.4	9
106	Molar volumes of orthobaric liquid argon. <i>Cryogenics</i> , 1980, 20, 601-604.	0.9	8
107	High Pressure CO <sub>2</sub> Extraction from Geranium Plants. <i>Journal of Essential Oil Research</i> , 1993, 5, 185-189.	1.3	8
108	Characterisation of Residues and Extracts of High-Pressure Extraction of Eucalyptus Wood by 1,4-Dioxane-CO <sub>2</sub> Mixtures. Part I. Characterisation by FTIR, UV and HPLC. <i>Holzforschung</i> , 1996, 50, 531-540.	0.9	8

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109	Non-ideality of an 'ideal' liquid mixture: (36Ar + 40Ar). <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1095-1097.	1.3	8
110	Phase behaviour study of chalcone in dense CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , 2009, 49, 9-15.	1.6	8
111	Performance of Sodium Chloride versus Commercial Ionic Liquid as Salting-Out Media for the Separation of Nicotine from Its Aqueous Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 9883-9888.	1.8	8
112	CO <sub>2</sub> capture and reversible release using mono-saccharides and an organic superbase. <i>Journal of Supercritical Fluids</i> , 2015, 105, 151-157.	1.6	8
113	Thermodynamic properties of liquid mixtures of carbon monoxide and methane. <i>Fluid Phase Equilibria</i> , 1984, 16, 185-204.	1.4	7
114	(p, V <sub>m</sub> , T) measurements on liquid and gaseous mixtures near the critical point. I. ( xenon + ethane ). <i>Journal of Chemical Thermodynamics</i> , 2000, 32, 877-889.	1.0	7
115	Phase behavior studies of a perfluoropolyether in high-pressure carbon dioxide. <i>Fluid Phase Equilibria</i> , 2004, 224, 257-261.	1.4	7
116	The melting curve of carbon monoxide. <i>Journal of Chemical Thermodynamics</i> , 1982, 14, 1197-1198.	1.0	6
117	Second virial coefficients of carbon monoxide. <i>Journal of Chemical Thermodynamics</i> , 1987, 19, 941-947.	1.0	6
118	(p, V <sub>m</sub> , T) measurements on gaseous and liquid (0.5Xe + 0.5C <sub>2</sub> H <sub>6</sub> ) near the critical region. <i>Journal of Chemical Thermodynamics</i> , 1994, 26, 889-896.	1.0	6
119	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.	1.0	6
120	Evidence for nonideality in the fundamental liquid mixture (36Ar+40Ar). <i>Journal of Chemical Physics</i> , 2000, 113, 8706-8716.	1.2	6
121	Excess thermodynamic properties of argon + methane: a standard simple liquid system. <i>Fluid Phase Equilibria</i> , 1989, 49, 9-20.	1.4	5
122	Dimerization and thermodynamic properties of nitric oxide. <i>Journal of Molecular Liquids</i> , 1995, 67, 105-123.	2.3	5
123	Thermodynamics of binary liquid mixtures of partially deuterated methanes with CH <sub>4</sub> or CD <sub>4</sub> . <i>Journal of Chemical Physics</i> , 1997, 106, 8799-8805.	1.2	5
124	(p, V <sub>m</sub> , T) measurements on liquid and gaseous mixtures near the critical point. II. (xenon + ethene). <i>Journal of Chemical Thermodynamics</i> , 2000, 32, 891-900.	1.0	5
125	Second and third virial coefficients of three binary mixtures containing xenon, at 273 K: Comparison between Xe + C <sub>2</sub> H <sub>6</sub> , Xe + C <sub>2</sub> H <sub>4</sub> and Xe + CO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4709-4715.	1.3	5
126	Ternary-phase equilibria for CO <sub>2</sub> +3-methyl-1-butanol+2-phenylethanol. <i>Journal of Supercritical Fluids</i> , 2005, 34, 189-194.	1.6	5



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127	Use of Organic Superbases and Temperature Effects for the Development of Reversible Protic Amino Acid Salts. <i>Synlett</i> , 2013, 24, 2525-2530.	1.0	5
128	Bio-inspired Systems for Carbon Dioxide Capture, Sequestration and Utilization. , 0, , .		5
129	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.	1.6	4
130	Catalytic effect of different hydroxyl-functionalised ionic liquids together with Zn(II) complex in the synthesis of cyclic carbonates from CO <sub>2</sub> . <i>Molecular Catalysis</i> , 2021, 499, 111292.	1.0	4
131	CO <sub>2</sub> +Methanol+Glycerol: Multiphase behaviour. <i>Journal of Supercritical Fluids</i> , 2018, 141, 260-264.	1.6	3
132	Simple liquid mixtures under pressure and the van der waals - one fluid theory. <i>Fluid Phase Equilibria</i> , 1987, 37, 63-74.	1.4	2
133	Scale-up of a supercritical extraction unit for the deacidification of olive oil. <i>Process Technol</i> , 1996, , 487-492.	0.1	2
134	Phase behavior studies of a perfluoropolyether in high-pressure carbon dioxide. <i>Fluid Phase Equilibria</i> , 2005, 228-229, 367-371.	1.4	2
135	Hydrogenation of CO <sub>2</sub> -Expanded Liquid Terpenes: Phase Equilibrium-Controlled Kinetics. <i>ACS Symposium Series</i> , 2009, , 191-201.	0.5	2
136	Carbon Dioxide to Methane using Ruthenium Nanoparticles: Effect of the Ionic Liquid Media. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	2
137	Characterisation of Residues and Extracts of High-Pressure Extraction of Eucalyptus Wood with 1,4-Dioxane-CO <sub>2</sub> Mixtures. Part II. Determination of Macromolecular Parameters of Lignins Extracted with High-Pressure 1,4-Dioxane. <i>Holzforschung</i> , 1997, 51, 57-61.	0.9	1
138	Capture agents, conversion mechanisms, biotransformations and biomimetics: general discussion. <i>Faraday Discussions</i> , 2015, 183, 463-487.	1.6	1
139	16th European Meeting on Supercritical Fluids, EMSF 2017 Preface. <i>Journal of Supercritical Fluids</i> , 2018, 141, 1.	1.6	1
140	Phase equilibrium data needs for the design of supercritical fluid extraction columns. <i>Pure and Applied Chemistry</i> , 1999, 71, 1301-1306.	0.9	1
141	Chapter 5. Solubility Phenomena in "Green" Quaternary Mixtures (Ionic liquid + Water + Alcohol +) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i>		
142	High - pressure extraction of cork with CO <sub>2</sub> and 1,4-dioxane. <i>Process Technol</i> , 1996, 12, 417-422.	0.1	0
143	Clean Osmium-Catalyzed Asymmetric Dihydroxylation of Olefins in Ionic Liquids and Supercritical CO <sub>2</sub> Product Recovery.. <i>ChemInform</i> , 2005, 36, no.	0.1	0