Teresa Regueira MuÃ±iz

List of Publications by Year
in descending order

27 papers	917 citations	567281 15 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1028 citing authors

#	Article	IF	Citations
1	Effect of Water on the Viscosities and Densities of 1-Butyl-3-methylimidazolium Dicyanamide and 1-Butyl-3-methylimidazolium Tricyanomethane at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2010, 55, 645-652.	1.9	216
2	Influence of Molecular Structure on Densities and Viscosities of Several Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 4984-4999.	1.9	157
3	Density and viscosity of three (2,2,2-trifluoroethanol + 1-butyl-3-methylimidazolium) ionic liquid binary systems. Journal of Chemical Thermodynamics, 2014, 70, 101-110.	2.0	102
4	Compressibilities and viscosities of reference and vegetable oils for their use as hydraulic fluids and lubricants. Green Chemistry, 2011, 13, 1293.	9.0	52
5	High pressure volumetric properties of 1-ethyl-3-methylimidazolium ethylsulfate and 1-(2-methoxyethyl)-1-methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide. Journal of Chemical Thermodynamics, 2012, 48, 213-220.	2.0	47
6	Irreversible Change of the Pore Structure of ZIF-8 in Carbon Dioxide Capture with Water Coexistence. Journal of Physical Chemistry C, 2016, 120, 13287-13294.	3.1	41
7	Influence of the pressure, temperature, cation and anion on the volumetric properties of ionic liquids: New experimental values for two salts. Journal of Chemical Thermodynamics, 2013, 58, 440-448.	2.0	37
8	Densities of the Binary Systems n-Hexane + n-Decane and n-Hexane + n-Hexadecane Up to 60 MPa and 463 K. Journal of Chemical & Engineering Data, 2015, 60, 3631-3645.	1.9	33
9	Volumetric behaviour of six ionic liquids from T = (278 to 398) K and up to 120 MPa. Journal of Chemical Thermodynamics, 2016, 93, 24-33.	2.0	25
10	Ionic liquids as hydraulic fluids: comparison of several properties with those of conventional oils. Lubrication Science, 2014, 26, 488-499.	2.1	24
11	Density and phase equilibrium of the binary system methaneÂ+Ân-decane under high temperatures and pressures. Fluid Phase Equilibria, 2016, 428, 48-61.	2.5	24
12	High pressure density and solubility for the CO2+1-ethyl-3-methylimidazolium ethylsulfate system. Journal of Supercritical Fluids, 2014, 88, 46-55.	3.2	23
13	Density and isothermal compressibility for two trialkylimidazolium-based ionic liquids at temperatures from (278 to 398) K and up to 120 MPa. Journal of Chemical Thermodynamics, 2015, 81, 124-130.	2.0	22
14	Heat capacity and Joule-Thomson coefficient of selected n -alkanes at 0.1 and 10 MPa in broad temperature ranges. Journal of Chemical Thermodynamics, 2017, 111, 250-264.	2.0	21
15	On the viscosity of two 1-butyl-1-methylpyrrolidinium ionic liquids: Effect of the temperature and pressure. Journal of Chemical Thermodynamics, 2015, 87, 43-51.	2.0	20
16	Carbon dioxide solubility in reference and vegetable lubricants developed for two stroke engines. Journal of Supercritical Fluids, 2012, 68, 123-130.	3.2	11
17	Experimental measurements and modeling of CO2 solubility in sunflower, castor and rapeseed oils. Journal of Supercritical Fluids, 2013, 82, 191-199.	3.2	7
18	Phase equilibrium of two CO2+ biodegradable oil systems up to 72MPa. Journal of Supercritical Fluids, 2014, 91, 90-97.	3.2	7

#	Article	IF	Citations
19	Compressibilities and Viscosities of Reference, Vegetable, and Synthetic Gear Lubricants. Industrial & Engineering Chemistry Research, 2014, 53, 4499-4510.	3.7	7
20	Density and Compressibility of Multicomponent n-Alkane Mixtures up to 463 K and 140 MPa. Journal of Chemical & Engineering Data, 2018, 63, 1072-1080.	1.9	7
21	Density, compressibility and phase equilibrium of high pressure-high temperature reservoir fluids up to 473 K and 140 MPa. Journal of Supercritical Fluids, 2020, 159, 104781.	3.2	7
22	Density Modeling of High-Pressure Mixtures using Cubic and Non-Cubic EoS and an Excess Volume Method. Fluid Phase Equilibria, 2021, 532, 112884.	2.5	7
23	High Pressure Rheological Behavior of 1-Ethyl-3-methylimidazolium n-Hexylsulfate and Trihexyl(tetradecyl)phosphonium Tris(pentafluoroethyl)trifluorophosphate. Journal of Chemical & Engineering Data, 2017, 62, 2927-2936.	1.9	6
24	High pressure phase equilibrium of ternary and multicomponent alkane mixtures in the temperature range from (283 to 473) K. Fluid Phase Equilibria, 2017, 449, 186-196.	2.5	6
25	Pressure dependence of the solubility of light fullerenes in 1-hexanol from 298.15K to 363.15K. Journal of Molecular Liquids, 2015, 209, 71-76.	4.9	3
26	Experimental Study of the Phase Behavior of Hydrocarbon Fluids in Porous Media at Atmospheric and Elevated Pressures. , 2019, , .		3
27	High-pressure phase equilibrium and volumetric properties of pseudo-binary mixtures of stock tank oilÂ+Âmethane up to 463K. Fluid Phase Equilibria, 2021, 541, 113054.	2.5	2