Abel G M Ferreira

List of Publications by Year
in descending order

38	1,969	331538	315616
papers	citations	21 h-index	38 g-index

38	38	38	1720
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 80-88.	1.0	381
2	PÏT Measurements of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 1881-1888.	1.0	277
3	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 805-811.	1.0	233
4	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 1914-1921.	1.0	130
5	Quaternary phosphonium-based ionic liquids: Thermal stability and heat capacity of the liquid phase. Journal of Chemical Thermodynamics, 2012, 45, 16-27.	1.0	101
6	Viscosity and Density of Water + Ethyl Acetate + Ethanol Mixtures at 298.15 and 318.15 K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2007, 52, 1240-1245.	1.0	73
7	The viscosity of glycerol. Journal of Chemical Thermodynamics, 2017, 113, 162-182.	1.0	70
8	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). Acta Biomaterialia, 2012, 8, 1366-1379.	4.1	62
9	Measurements of pVT, viscosity, and surface tension of trihexyltetradecylphosphonium tris(pentafluoroethyl)trifluorophosphate ionic liquid and modelling with equations of state. Journal of Chemical Thermodynamics, 2012, 47, 183-196.	1.0	43
10	PVTProperty Measurements for Some Aliphatic Esters from (298 to 393) K and up to 35 MPa. Journal of Chemical & Engineering Data, 2007, 52, 737-751.	1.0	40
11	Phase equilibria from the exactly integrated Clapeyron equation. Journal of Chemical Thermodynamics, 2001, 33, 1597-1617.	1.0	39
12	Speed of sound in pure fatty acid methyl esters and biodiesel fuels. Fuel, 2014, 116, 242-254.	3.4	39
13	Thermophysical characterization of N-methyl-2-hydroxyethylammonium carboxilate ionic liquids. Journal of Chemical Thermodynamics, 2014, 68, 221-234.	1.0	38
14	Correlation and prediction of biodiesel density for extended ranges of temperature and pressure. Fuel, 2015, 141, 23-38.	3.4	35
15	Densities and Viscosities of the Ternary Mixtures Water + Butyl Acetate + Methanol and Water + Ethyl Propionate + Methanol at 303.15 K. Journal of Chemical & Engineering Data, 2000, 45, 926-931.	1.0	33
16	Densities, Viscosities, and Surface and Interfacial Tensions of the Ternary Mixture Water + Ethyl Butyrate + Methanol at 303.15 K. Journal of Chemical & Engineering Data, 2003, 48, 1266-1270.	1.0	32
17	Viscosities of Liquid Fluorocompounds. Journal of Chemical & Engineering Data, 2008, 53, 538-542.	1.0	31
18	Solubilities of hydrofluorocarbons in ionic liquids: Experimental and modelling study. Journal of Chemical Thermodynamics, 2014, 73, 36-43.	1.0	31

#	Article	IF	Citations
19	PVT Property Measurements for Ethyl Propionate, Ethyl Butyrate, and Ethyl Pentanoate Esters from (298 to 393) K and up to 35 MPa. Journal of Chemical & Engineering Data, 2009, 54, 256-262.	1.0	29
20	Solubility of hydrofluorocarbons in phosphonium-based ionic liquids: Experimental and modelling study. Journal of Chemical Thermodynamics, 2014, 79, 184-191.	1.0	24
21	Syngas production via catalytic oxidative steam reforming of glycerol using a Co/Al coprecipitated catalyst and different bed fillers. Fuel Processing Technology, 2019, 189, 120-133.	3.7	24
22	Densities and derived thermodynamic properties of ternary mixtures 1-butyl-3-methyl-imidazolium tetrafluoroborate+ethanol+water at seven pressures and two temperatures. Fluid Phase Equilibria, 2010, 296, 53-59.	1.4	21
23	Liquidâ˜Liquid Equilibria, Density, Viscosity, and Surface and Interfacial Tension of the System Water +n-Butyl Acetate + 1-Propanol at 323.15 K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2009, 54, 2845-2854.	1.0	19
24	Volumetric and acoustical properties of aqueous mixtures of N-methyl-2-hydroxyethylammonium propionate at T=(298.15 to 333.15)K. Journal of Chemical Thermodynamics, 2015, 88, 44-60.	1.0	19
25	Oxidative steam reforming of glycerol. A review. Renewable and Sustainable Energy Reviews, 2021, 148, 111299.	8.2	19
26	Volumetric and acoustical properties of aqueous mixtures of N-methyl-2-hydroxyethylammonium butyrate and N-methyl-2-hydroxyethylammonium pentanoate at T = (298.15 to 333.15) K. Journal of Chemical Thermodynamics, 2016, 97, 191-205.	1.0	16
27	Solubilities of some new refrigerants in water. Fluid Phase Equilibria, 2000, 173, 97-107.	1.4	15
28	Liquid glycerol: Experimental densities at pressures of up to 25 MPa, and some derived thermodynamic properties. Journal of Chemical Thermodynamics, 2016, 101, 64-77.	1.0	15
29	Influence of temperature and pressure on the density and speed of sound of 2-hydroxyethylammonium propionate ionic liquid. Journal of Chemical Thermodynamics, 2018, 122, 183-193.	1.0	12
30	Densities and Excess Molar Volumes of Water + Propyl Acetate + Propan-1-ol and Its Constituent Binaries at 303.15 K. Journal of Chemical & Engineering Data, 1997, 42, 1232-1234.	1.0	10
31	Monitoring of the transesterification reaction by continuous off-line density measurements. Fuel, 2020, 264, 116877.	3.4	10
32	Viscosity of Cottonseed Oil and Biodiesel. Journal of Chemical & Engineering Data, 2019, 64, 1166-1176.	1.0	9
33	Speed of sound and derived thermodynamic properties of glycerol. Journal of Chemical Thermodynamics, 2021, 156, 106367.	1.0	9
34	REVIEW: Models for predicting viscosities of biodiesel fuels over extended ranges of temperature and pressure. Fuel, 2021, 287, 119544.	3.4	9
35	Solubility of H2S in ammonium-based ionic liquids. Journal of Chemical Thermodynamics, 2021, 154, 106336.	1.0	8
36	Influence of temperature and pressure on the density and speed of sound of N-ethyl-2-hydroxyethylammonium propionate ionic liquid. Journal of Chemical Thermodynamics, 2019, 131, 303-313.	1.0	7

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37	Density of Cottonseed Oil and Biodiesel. Journal of Chemical & Engineering Data, 2018, 63, 3438-3448.	1.0	5
38	Effect of Isobutanol Addition on the Biodiesel Density. Journal of Chemical & Engineering Data, 2021, 66, 4542-4562.	1.0	1