

# Abel G M Ferreira

## List of Publications by Citations

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37  
papers

1,738  
citations

21  
h-index

38  
g-index

38  
ext. papers

1,851  
ext. citations

3.9  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
37	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 80-88	2.8	357
36	PVT Measurements of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1881-1888	2.8	257
35	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 805-811	2.8	216
34	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 1914-1921	2.8	123
33	Quaternary phosphonium-based ionic liquids: Thermal stability and heat capacity of the liquid phase. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 45, 16-27	2.9	87
32	Viscosity and Density of Water + Ethyl Acetate + Ethanol Mixtures at 298.15 and 318.15 K and Atmospheric Pressure. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1240-1245	2.8	61
31	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 1366-79	10.8	57
30	The viscosity of glycerol. <i>Journal of Chemical Thermodynamics</i> , <b>2017</b> , 113, 162-182	2.9	43
29	Measurements of pVT, viscosity, and surface tension of trihexyltetradecylphosphonium tris(pentafluoroethyl)trifluorophosphate ionic liquid and modelling with equations of state. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 47, 183-196	2.9	37
28	Thermophysical characterization of N-methyl-2-hydroxyethylammonium carboxylate ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 68, 221-234	2.9	34
27	PVT Property Measurements for Some Aliphatic Esters from (298 to 393) K and up to 35 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 737-751	2.8	34
26	Speed of sound in pure fatty acid methyl esters and biodiesel fuels. <i>Fuel</i> , <b>2014</b> , 116, 242-254	7.1	33
25	Phase equilibria from the exactly integrated Clapeyron equation. <i>Journal of Chemical Thermodynamics</i> , <b>2001</b> , 33, 1597-1617	2.9	33
24	Correlation and prediction of biodiesel density for extended ranges of temperature and pressure. <i>Fuel</i> , <b>2015</b> , 141, 23-38	7.1	31
23	Densities, Viscosities, and Surface and Interfacial Tensions of the Ternary Mixture Water + Ethyl Butyrate + Methanol at 303.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2003</b> , 48, 1266-1270	2.8	31
22	Solubilities of hydrofluorocarbons in ionic liquids: Experimental and modelling study. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 73, 36-43	2.9	29
21	Densities and Viscosities of the Ternary Mixtures Water + Butyl Acetate + Methanol and Water + Ethyl Propionate + Methanol at 303.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 926-931	2.8	29

20	PVT Property Measurements for Ethyl Propionate, Ethyl Butyrate, and Ethyl Pentanoate Esters from (298 to 393) K and up to 35 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 256-262	2.8	26
19	Viscosities of Liquid Fluorocompounds. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 538-542	2.8	26
18	Solubility of hydrofluorocarbons in phosphonium-based ionic liquids: Experimental and modelling study. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 79, 184-191	2.9	23
17	Densities and derived thermodynamic properties of ternary mixtures 1-butyl-3-methyl-imidazolium tetrafluoroborate+ethanol+water at seven pressures and two temperatures. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 296, 53-59	2.5	21
16	Liquid-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. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 2845-2854	2.8	19
15	Volumetric and acoustical properties of aqueous mixtures of N-methyl-2-hydroxyethylammonium propionate at T=(298.15 to 333.15)K. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 88, 44-60	2.9	17
14	Syngas production via catalytic oxidative steam reforming of glycerol using a Co/Al coprecipitated catalyst and different bed fillers. <i>Fuel Processing Technology</i> , <b>2019</b> , 189, 120-133	7.2	15
13	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. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 97, 191-205	2.9	14
12	Solubilities of some new refrigerants in water. <i>Fluid Phase Equilibria</i> , <b>2000</b> , 173, 97-107	2.5	13
11	Liquid glycerol: Experimental densities at pressures of up to 25 MPa, and some derived thermodynamic properties. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 101, 64-77	2.9	12
10	Influence of temperature and pressure on the density and speed of sound of 2-hydroxyethylammonium propionate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , <b>2018</b> , 122, 183-193	2.9	9
9	Densities and Excess Molar Volumes of Water + Propyl Acetate + Propan-1-ol and Its Constituent Binaries at 303.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>1997</b> , 42, 1232-1234	2.8	9
8	Monitoring of the transesterification reaction by continuous off-line density measurements. <i>Fuel</i> , <b>2020</b> , 264, 116877	7.1	8
7	Viscosity of Cottonseed Oil and Biodiesel. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 1166-1176	7.1	7
6	Oxidative steam reforming of glycerol. A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 148, 111299	16.2	7
5	Influence of temperature and pressure on the density and speed of sound of N-ethyl-2-hydroxyethylammonium propionate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131, 303-313	2.9	6
4	REVIEW: Models for predicting viscosities of biodiesel fuels over extended ranges of temperature and pressure. <i>Fuel</i> , <b>2021</b> , 287, 119544	7.1	5
3	Solubility of H <sub>2</sub> S in ammonium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2021</b> , 154, 106336	7.1	4

- 2 Density of Cottonseed Oil and Biodiesel. *Journal of Chemical & Engineering Data*, **2018**, 63, 3438-3448 3
- 1 Speed of sound and derived thermodynamic properties of glycerol. *Journal of Chemical Thermodynamics*, **2021**, 156, 106367 2.9 2