

Abel G M Ferreira

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Speed of sound and derived thermodynamic properties of glycerol. <i>Journal of Chemical Thermodynamics</i> , 2021 , 156, 106367	2.9	2
36	Solubility of H ₂ S in ammonium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2021 , 154, 106336	2.9	4
35	REVIEW: Models for predicting viscosities of biodiesel fuels over extended ranges of temperature and pressure. <i>Fuel</i> , 2021 , 287, 119544	7.1	5
34	Oxidative steam reforming of glycerol. A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 148, 111299	16.2	7
33	Monitoring of the transesterification reaction by continuous off-line density measurements. <i>Fuel</i> , 2020 , 264, 116877	7.1	8
32	Syngas production via catalytic oxidative steam reforming of glycerol using a Co/Al coprecipitated catalyst and different bed fillers. <i>Fuel Processing Technology</i> , 2019 , 189, 120-133	7.2	15
31	Viscosity of Cottonseed Oil and Biodiesel. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1166-1176	7.6	7
30	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> , 2019 , 131, 303-313	2.9	6
29	Influence of temperature and pressure on the density and speed of sound of 2-hydroxyethylammonium propionate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2018 , 122, 183-193	2.9	9
28	Density of Cottonseed Oil and Biodiesel. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3438-3448	4.8	3
27	The viscosity of glycerol. <i>Journal of Chemical Thermodynamics</i> , 2017 , 113, 162-182	2.9	43
26	Liquid glycerol: Experimental densities at pressures of up to 25 MPa, and some derived thermodynamic properties. <i>Journal of Chemical Thermodynamics</i> , 2016 , 101, 64-77	2.9	12
25	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> , 2016 , 97, 191-205	2.9	14
24	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> , 2015 , 88, 44-60	2.9	17
23	Correlation and prediction of biodiesel density for extended ranges of temperature and pressure. <i>Fuel</i> , 2015 , 141, 23-38	7.1	31
22	Solubilities of hydrofluorocarbons in ionic liquids: Experimental and modelling study. <i>Journal of Chemical Thermodynamics</i> , 2014 , 73, 36-43	2.9	29
21	Solubility of hydrofluorocarbons in phosphonium-based ionic liquids: Experimental and modelling study. <i>Journal of Chemical Thermodynamics</i> , 2014 , 79, 184-191	2.9	23

20	Speed of sound in pure fatty acid methyl esters and biodiesel fuels. <i>Fuel</i> , 2014 , 116, 242-254	7.1	33
19	Thermophysical characterization of N-methyl-2-hydroxyethylammonium carboxylate ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 68, 221-234	2.9	34
18	Quaternary phosphonium-based ionic liquids: Thermal stability and heat capacity of the liquid phase. <i>Journal of Chemical Thermodynamics</i> , 2012 , 45, 16-27	2.9	87
17	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> , 2012 , 47, 183-196	2.9	37
16	Phosphonium-based ionic liquids as modifiers for biomedical grade poly(vinyl chloride). <i>Acta Biomaterialia</i> , 2012 , 8, 1366-79	10.8	57
15	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> , 2010 , 296, 53-59	2.5	21
14	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 & Engineering Data</i> , 2009 , 54, 2845-2854	2.8	19
13	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 & Engineering Data</i> , 2009 , 54, 256-262	2.8	26
12	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 805-811	2.8	216
11	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1914-1921	2.8	123
10	Viscosities of Liquid Fluorocompounds. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 538-542	2.8	26
9	pVT Measurements of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1881-1888	2.8	257
8	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 80-88	2.8	357
7	PVT Property Measurements for Some Aliphatic Esters from (298 to 393) K and up to 35 MPa. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 737-751	2.8	34
6	Viscosity and Density of Water + Ethyl Acetate + Ethanol Mixtures at 298.15 and 318.15 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1240-1245	2.8	61
5	Densities, Viscosities, and Surface and Interfacial Tensions of the Ternary Mixture Water + Ethyl Butyrate + Methanol at 303.15 K. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 1266-1270	2.8	31
4	Phase equilibria from the exactly integrated Clapeyron equation. <i>Journal of Chemical Thermodynamics</i> , 2001 , 33, 1597-1617	2.9	33
3	Solubilities of some new refrigerants in water. <i>Fluid Phase Equilibria</i> , 2000 , 173, 97-107	2.5	13

2	Densities and Viscosities of the Ternary Mixtures Water + Butyl Acetate + Methanol and Water + Ethyl Propionate + Methanol at 303.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 926-931 ^{2.8}	29
1	Densities and Excess Molar Volumes of Water + Propyl Acetate + Propan-1-ol and Its Constituent Binaries at 303.15 K. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 1232-1234	2.8 9