

Pablo J Miguel

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54
papers

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26
h-index

42
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55
ext. papers

2,018
ext. citations

3.9
avg, IF

4.63
L-index

#	Paper	IF	Citations
54	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1468-1482	2.8	159
53	Ionic Liquids as Entrainers in Extractive Distillation: Isobaric Vapor-Liquid Equilibria for Acetone + Methanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 141-147	2.8	115
52	The Role of Reaction Temperature and Cracking Catalyst Characteristics in Determining the Relative Rates of Protolytic Cracking, Chain Propagation, and Hydrogen Transfer. <i>Journal of Catalysis</i> , 1994 , 145, 171-180	7.3	101
51	Selective Introduction of Acid Sites in Different Confined Positions in ZSM-5 and Its Catalytic Implications. <i>ACS Catalysis</i> , 2018 , 8, 7688-7697	13.1	88
50	Isobaric Vapor-Liquid Equilibria for Methyl Acetate + Methanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 915-920	2.8	70
49	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2015 , 90, 174-184	2.9	67
48	Steam catalytic cracking of naphtha over ZSM-5 zeolite for production of propene and ethene: Micro and macroscopic implications of the presence of steam. <i>Applied Catalysis A: General</i> , 2012 , 417-418, 220-235	5.1	63
47	Isobaric Vapor-Liquid Equilibria for Ethyl Acetate + Ethanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2325-2330	2.8	62
46	Density, Speed of Sound, and Refractive Index of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate with Acetone, Methyl Acetate, and Ethyl Acetate at Temperatures from (278.15 to 328.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1377-1388	2.8	60
45	Isobaric Vapor-Liquid Equilibria for 1-Propanol + Water + Calcium Nitrate. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 1216-1221	2.8	60
44	Stabilization of ZSM-5 zeolite catalysts for steam catalytic cracking of naphtha for production of propene and ethene. <i>Applied Catalysis A: General</i> , 2012 , 421-422, 121-134	5.1	58
43	Using 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate as an Entrainer for the Extractive Distillation of Ethanol + Water Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1669-1674	2.8	54
42	Isobaric Vapor-Liquid Equilibria for 1-Propanol + Water + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2426-2431	2.8	51
41	Influence of hydrocarbon chain length and zeolite structure on the catalyst activity and deactivation for n-alkanes cracking. <i>Applied Catalysis A: General</i> , 1994 , 117, 29-40	5.1	50
40	Isomerization of C ₅ -C ₇ n-alkanes on unidirectional large pore zeolites: activity, selectivity and adsorption features. <i>Catalysis Today</i> , 2001 , 65, 101-110	5.3	48
39	Volumetric and Acoustic Properties of Aqueous Solutions of Trifluoromethanesulfonate-Based Ionic Liquids at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1953-1963	2.8	44
38	1-Ethyl-3-methylimidazolium Dicyanamide as a Very Efficient Entrainer for the Extractive Distillation of the Acetone + Methanol System. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 394-399	2.8	44

37	Isobaric Vapor-Liquid Equilibria for the Extractive Distillation of Ethanol + Water Mixtures Using 1-Ethyl-3-methylimidazolium Dicyanamide. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4875-4880	2.8	43
36	IM-5 zeolite for steam catalytic cracking of naphtha to produce propene and ethene. An alternative to ZSM-5 zeolite. <i>Applied Catalysis A: General</i> , 2013 , 460-461, 106-115	5.1	42
35	Isobaric Vapor-Liquid Equilibria of 1-Propanol + Water + Trifluoromethanesulfonate-Based Ionic Liquid Ternary Systems at 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4454-4460	2.8	37
34	Isobaric Vapor-Liquid Equilibria for Binary Systems Composed of Octane, Decane, and Dodecane at 20 kPa. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 93-96	2.8	36
33	Product selectivity effects during cracking of alkanes at very short and longer times on stream. <i>Applied Catalysis A: General</i> , 1996 , 138, 57-73	5.1	34
32	Refractive Indices and Deviations in Refractive Indices of Trifluoromethanesulfonate-Based Ionic Liquids in Water. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4499-4504	2.8	33
31	Influence of Some Ionic Liquids Containing the Trifluoromethanesulfonate Anion on the Vapor-Liquid Equilibria of the Acetone + Methanol System. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4430-4435	2.8	32
30	Isobaric vapor-liquid equilibria for acetone+methanol+lithium nitrate at 100kPa. <i>Fluid Phase Equilibria</i> , 2006 , 250, 131-137	2.5	30
29	Isobaric vapor-liquid equilibria for the extractive distillation of 2-propanol + water mixtures using 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2017 , 110, 16-24	2.9	28
28	Zeolite Effects on the Cracking of Long Chain Alkyl Aromatics. <i>Journal of Catalysis</i> , 1994 , 145, 181-186	7.3	24
27	Ultrasonic and Volumetric Properties of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with 2-Propanol or Tetrahydrofuran at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4633-4642	2.8	23
26	Volumetric properties of binary mixtures of ionic liquid 1-butyl-3-methylimidazolium octylsulfate with water or propanol in the temperature range of 278.15K to 328.15K. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1124-1129	2.9	23
25	Refractive Indices and Deviations in Refractive Indices for Binary Mixtures of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate with Methanol, Ethanol, 1-Propanol, and 2-Propanol at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1430-1433	2.8	22
24	Cracking of long-chain alkyl aromatics on USY zeolite catalysts. <i>Journal of Catalysis</i> , 1992 , 135, 45-59	7.3	21
23	Isobaric vapor-liquid equilibria for 1-propanol+water+lithium nitrate at 100 kPa. <i>Fluid Phase Equilibria</i> , 2002 , 202, 121-132	2.5	20
22	Isobaric Vapor-Liquid and Liquid-Liquid Equilibria for Chloroform + Ethanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2642-2648	2.8	19
21	Isobaric vapor-liquid equilibrium of binary mixtures of 1-propanol + chlorobenzene and 2-propanol + chlorobenzene. <i>Fluid Phase Equilibria</i> , 1997 , 134, 151-161	2.5	17
20	Kinetics of the Catalytic Cracking of Paraffins at Very Short Times on Stream. <i>Journal of Catalysis</i> , 1994 , 145, 58-64	7.3	17

19	Catalytic cracking of n-alkane naphtha: The impact of olefin addition and active sites differentiation. <i>Journal of Catalysis</i> , 2015 , 330, 520-532	7.3	14
18	Isobaric Vapor-Liquid and Liquid-Liquid Equilibria for Chloroform + Methanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1209-1214	2.8	13
17	Isobaric vapor-liquid equilibria for 1-propanol + water + lithium chloride at 100 kPa. <i>Fluid Phase Equilibria</i> , 2004 , 216, 47-52	2.5	13
16	Isobaric Vapor-Liquid Equilibria of Trichloroethylene with 1-Butanol and 2-Butanol at 20 and 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 89-92	2.8	13
15	Theta-1 zeolite catalyst for increasing the yield of propene when cracking olefins and its potential integration with an olefin metathesis unit. <i>Catalysis Science and Technology</i> , 2017 , 7, 5847-5859	5.5	12
14	Can Macroscopic Parameters, Such as Conversion and Selectivity, Distinguish between Different Cracking Mechanisms on Acid Catalysts?. <i>Journal of Catalysis</i> , 1997 , 172, 355-369	7.3	11
13	Isobaric vapor-liquid equilibria for the 1-propanol + water + 1-ethyl-3-methylimidazolium dicyanamide system at 100 kPa. <i>Journal of Chemical Thermodynamics</i> , 2017 , 113, 116-123	2.9	10
12	Isobaric Vapor-Liquid Equilibrium of Binary Mixtures of 1-Butanol + Chlorobenzene and 2-Butanol + Chlorobenzene at 20 and 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 374-378	2.8	10
11	Isobaric vapor-liquid equilibria for 1-propanol+water+copper(II) chloride at 100kPa. <i>Fluid Phase Equilibria</i> , 2005 , 227, 239-244	2.5	10
10	Vapor-Liquid equilibrium of binary mixtures of trichloroethylene with 1-pentanol, 2-methyl-1-butanol and 3-methyl-1-butanol at 100 kPa. <i>Fluid Phase Equilibria</i> , 1999 , 155, 229-239	2.5	9
9	Isobaric Vapor-Liquid Equilibria of Tetrachloroethylene + 1-Propanol and +2-Propanol at 20 and 100 kPa. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 1361-1365	2.8	9
8	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2018 , 118, 292-301	2.9	8
7	Isobaric vapor-liquid equilibria for the extractive distillation of tert-butyl alcohol + water mixtures using 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2019 , 139, 105866	2.9	7
6	On the Limitations To Establish the Contribution of the Different Reaction Mechanisms from Selectivity Data, During Cracking of Long-Chain Linear Paraffins. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 3400-3415	3.9	5
5	Vapor-Liquid equilibrium of binary mixtures of chlorobenzene with 3-methyl-1-butanol, 3-methyl-2-butanol and 2-methyl-2-butanol, at 100 kPa. <i>Fluid Phase Equilibria</i> , 1998 , 153, 265-277	2.5	4
4	Vapor-Liquid Equilibrium of Binary Mixtures of Tetrachloroethylene with 1-Pentanol, 3-Methyl-1-butanol, and 2-Methyl-1-butanol. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 286-290	2.8	3
3	Low temperature conversion of levulinic acid into γ -valerolactone using Zn to generate hydrogen from water and nickel catalysts supported on sepiolite.. <i>RSC Advances</i> , 2020 , 10, 20395-20404	3.7	2
2	γ -valerolactone from levulinic acid and its esters: Substrate and reaction media determine the optimal catalyst. <i>Applied Catalysis A: General</i> , 2021 , 623, 118276	5.1	2

- 1 Optimization of the Zr-loading on siliceous support catalysts leads to a suitable Lewis/Bronsted acid sites ratio to produce high yields to γ -valerolactone from furfural in one-pot. *Fuel*, **2022**, 324, 124549^{7.1} ○