Pablo J Miguel

List of Publications by Year in Descending Order

54 papers	1,850 citations	26 h-index	42 g-index
55 ext. papers	2,018 ext. citations	3.9 avg, IF	4.63 L-index

#	Paper	IF	Citations
54	Optimization of the Zr-loading on siliceous support catalysts leads to a suitable Lewis/Brønsted acid sites ratio to produce high yields to γ-valerolactone from furfural in one-pot. *Fuel*, **2022**, 324, 124549	7.1	0
53	γ-valerolactone from levulinic acid and its esters: Substrate and reaction media determine the optimal catalyst. *Applied Catalysis A: General*, **2021**, 623, 118276	5.1	2
52	Low temperature conversion of levulinic acid into γ-valerolactone using Zn to generate hydrogen from water and nickel catalysts supported on sepiolite.. *RSC Advances*, **2020**, 10, 20395-20404	3.7	2
51	Isobaric vapor-liquid equilibria for the extractive distillation of tert-butyl alcohol + water mixtures using 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. *Journal of Chemical Thermodynamics*, **2019**, 139, 105866	2.9	7
50	Selective Introduction of Acid Sites in Different Confined Positions in ZSM-5 and Its Catalytic Implications. *ACS Catalysis*, **2018**, 8, 7688-7697	13.1	88
49	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures. *Journal of Chemical Thermodynamics*, **2018**, 118, 292-301	2.9	8
48	Isobaric vapor-liquid equilibria for the extractive distillation of 2-propanol + water mixtures using 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. *Journal of Chemical Thermodynamics*, **2017**, 110, 16-24	2.9	28
47	Isobaric vapor-liquid equilibria for the 1-propanol + water + 1-ethyl-3-methylimidazolium dicyanamide system at 100 kPa. *Journal of Chemical Thermodynamics*, **2017**, 113, 116-123	2.9	10
46	Theta-1 zeolite catalyst for increasing the yield of propene when cracking olefins and its potential integration with an olefin metathesis unit. *Catalysis Science and Technology*, **2017**, 7, 5847-5859	5.5	12
45	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures. *Journal of Chemical Thermodynamics*, **2015**, 90, 174-184	2.9	67
44	Catalytic cracking of n-alkane naphtha: The impact of olefin addition and active sites differentiation. *Journal of Catalysis*, **2015**, 330, 520-532	7.3	14
43	IM-5 zeolite for steam catalytic cracking of naphtha to produce propene and ethene. An alternative to ZSM-5 zeolite. *Applied Catalysis A: General*, **2013**, 460-461, 106-115	5.1	42
42	Volumetric and Acoustic Properties of Aqueous Solutions of Trifluoromethanesulfonate-Based Ionic Liquids at Several Temperatures. *Journal of Chemical & Engineering Data*, **2012**, 57, 1953-1963	2.8	44
41	1-Ethyl-3-methylimidazolium Dicyanamide as a Very Efficient Entrainer for the Extractive Distillation of the Acetone + Methanol System. *Journal of Chemical & Engineering Data*, **2012**, 57, 394-399	2.8	44
40	Steam catalytic cracking of naphtha over ZSM-5 zeolite for production of propene and ethene: Micro and macroscopic implications of the presence of steam. *Applied Catalysis A: General*, **2012**, 417-418, 220-235	5.1	63
39	Stabilization of ZSM-5 zeolite catalysts for steam catalytic cracking of naphtha for production of propene and ethene. *Applied Catalysis A: General*, **2012**, 421-422, 121-134	5.1	58
38	Influence of Some Ionic Liquids Containing the Trifluoromethanesulfonate Anion on the Vapor−Liquid Equilibria of the Acetone + Methanol System. *Journal of Chemical & Engineering Data*, **2011**, 56, 4430-4435	2.8	32

37	Isobaric Vapor–liquid Equilibria for the Extractive Distillation of Ethanol + Water Mixtures Using 1-Ethyl-3-methylimidazolium Dicyanamide. *Journal of Chemical & Engineering Data*, **2011**, 56, 4875-4880	2.8	43
36	Isobaric Vapor–liquid Equilibria of 1-Propanol + Water + Trifluoromethanesulfonate-Based Ionic Liquid Ternary Systems at 100 kPa. *Journal of Chemical & Engineering Data*, **2011**, 56, 4454-4460	2.8	37
35	Refractive Indices and Deviations in Refractive Indices of Trifluoromethanesulfonate-Based Ionic Liquids in Water. *Journal of Chemical & Engineering Data*, **2011**, 56, 4499-4504	2.8	33
34	Ultrasonic and Volumetric Properties of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with 2-Propanol or Tetrahydrofuran at Several Temperatures. *Journal of Chemical & Engineering Data*, **2011**, 56, 4633-4642	2.8	23
33	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. *Journal of Chemical & Engineering Data*, **2010**, 55, 1430-1433	2.8	22
32	Using 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate as an Entrainer for the Extractive Distillation of Ethanol + Water Mixtures. *Journal of Chemical & Engineering Data*, **2010**, 55, 1669-1674	2.8	54
31	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. *Journal of Chemical & Engineering Data*, **2010**, 55, 1377-1388	2.8	60
30	Isobaric Vapor–liquid and Liquid–liquid Equilibria for Chloroform + Methanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. *Journal of Chemical & Engineering Data*, **2010**, 55, 1209-1214	2.8	13
29	Isobaric Vapor–liquid and Liquid–liquid Equilibria for Chloroform + Ethanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. *Journal of Chemical & Engineering Data*, **2008**, 53, 2642-2648	2.8	19
28	Isobaric Vapor–liquid Equilibria for 1-Propanol + Water + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. *Journal of Chemical & Engineering Data*, **2008**, 53, 2426-2431	2.8	51
27	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures. *Journal of Chemical & Engineering Data*, **2007**, 52, 1468-1482	2.8	159
26	Ionic Liquids as Entrainers in Extractive Distillation: Isobaric Vapor–liquid Equilibria for Acetone + Methanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate. *Journal of Chemical & Engineering Data*, **2007**, 52, 141-147	2.8	115
25	Isobaric Vapor–liquid Equilibria for Ethyl Acetate + Ethanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. *Journal of Chemical & Engineering Data*, **2007**, 52, 2325-2330	2.8	62
24	Isobaric Vapor–liquid Equilibria for Methyl Acetate + Methanol + 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate at 100 kPa. *Journal of Chemical & Engineering Data*, **2007**, 52, 915-920	2.8	70
23	Isobaric vapor–liquid equilibria for acetone+methanol+lithium nitrate at 100kPa. *Fluid Phase Equilibria*, **2006**, 250, 131-137	2.5	30
22	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. *Journal of Chemical Thermodynamics*, **2006**, 38, 1124-1129	2.9	23
21	Isobaric vapor–liquid equilibria for 1-propanol+water+copper(II) chloride at 100kPa. *Fluid Phase Equilibria*, **2005**, 227, 239-244	2.5	10
20	Isobaric vapor–liquid equilibria for 1-propanol + water + lithium chloride at 100 kPa. *Fluid Phase Equilibria*, **2004**, 216, 47-52	2.5	13

19	Isobaric vapor–liquid equilibria for 1-propanol+water+lithium nitrate at 100 kPa. *Fluid Phase Equilibria*, **2002**, 202, 121-132	2.5	20
18	Isomerization of C5–7 n-alkanes on unidirectional large pore zeolites: activity, selectivity and adsorption features. *Catalysis Today*, **2001**, 65, 101-110	5.3	48
17	Vapor–liquid equilibrium of binary mixtures of trichloroethylene with 1-pentanol, 2-methyl-1-butanol and 3-methyl-1-butanol at 100 kPa. *Fluid Phase Equilibria*, **1999**, 155, 229-239	2.5	9
16	Isobaric Vapor–liquid Equilibria for 1-Propanol + Water + Calcium Nitrate. *Journal of Chemical & Engineering Data*, **1999**, 44, 1216-1221	2.8	60
15	Vapor–liquid Equilibrium of Binary Mixtures of Tetrachloroethylene with 1-Pentanol, 3-Methyl-1-butanol, and 2-Methyl-1-butanol. *Journal of Chemical & Engineering Data*, **1999**, 44, 286-290	2.8	3
14	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. *Fluid Phase Equilibria*, **1998**, 153, 265-277	2.5	4
13	On the Limitations To Establish the Contribution of the Different Reaction Mechanisms from Selectivity Data, During Cracking of Long-Chain Linear Paraffins. *Industrial & Engineering Chemistry Research*, **1997**, 36, 3400-3415	3.9	5
12	Isobaric Vapor–liquid Equilibrium of Binary Mixtures of 1-Butanol + Chlorobenzene and 2-Butanol + Chlorobenzene at 20 and 100 kPa. *Journal of Chemical & Engineering Data*, **1997**, 42, 374-378	2.8	10
11	Can Macroscopic Parameters, Such as Conversion and Selectivity, Distinguish between Different Cracking Mechanisms on Acid Catalysts?. *Journal of Catalysis*, **1997**, 172, 355-369	7.3	11
10	Isobaric vapor-liquid equilibrium of binary mixtures of 1-propanol + chlorobenzene and 2-propanol + chlorobenzene. *Fluid Phase Equilibria*, **1997**, 134, 151-161	2.5	17
9	Isobaric Vapor–liquid Equilibria of Trichloroethylene with 1-Butanol and 2-Butanol at 20 and 100 kPa. *Journal of Chemical & Engineering Data*, **1996**, 41, 89-92	2.8	13
8	Isobaric Vapor–liquid Equilibria of Tetrachloroethylene + 1-Propanol and +2-Propanol at 20 and 100 kPa. *Journal of Chemical & Engineering Data*, **1996**, 41, 1361-1365	2.8	9
7	Isobaric Vapor–liquid Equilibria for Binary Systems Composed of Octane, Decane, and Dodecane at 20 kPa. *Journal of Chemical & Engineering Data*, **1996**, 41, 93-96	2.8	36
6	Product selectivity effects during cracking of alkanes at very short and longer times on stream. *Applied Catalysis A: General*, **1996**, 138, 57-73	5.1	34
5	Influence of hydrocarbon chain length and zeolite structure on the catalyst activity and deactivation for n-alkanes cracking. *Applied Catalysis A: General*, **1994**, 117, 29-40	5.1	50
4	Kinetics of the Catalytic Cracking of Paraffins at Very Short Times on Stream. *Journal of Catalysis*, **1994**, 145, 58-64	7.3	17
3	The Role of Reaction Temperature and Cracking Catalyst Characteristics in Determining the Relative Rates of Protolytic Cracking, Chain Propagation, and Hydrogen Transfer. *Journal of Catalysis*, **1994**, 145, 171-180	7.3	101
2	Zeolite Effects on the Cracking of Long Chain Alkyl Aromatics. *Journal of Catalysis*, **1994**, 145, 181-186	7.3	24

1	Cracking of long-chain alkyl aromatics on USY zeolite catalysts. *Journal of Catalysis*, **1992**, 135, 45-59	7.3	21