M A Pena

List of Publications by Citations

52	985	18	29
papers	citations	h-index	g-index
66	1,098	3.2	4.48
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
52	Thermodynamic analysis and enthalpy–entropy compensation for the solubility of indomethacin in aqueous and non-aqueous mixtures. *Fluid Phase Equilibria*, **2011**, 308, 98-106	2.5	107
51	Solution thermodynamics and preferential solvation of sulfamethazine in (methanol + water) mixtures. *Journal of Chemical Thermodynamics*, **2016**, 97, 264-276	2.9	74
50	The modified extended Hansen method to determine partial solubility parameters of drugs containing a single hydrogen bonding group and their sodium derivatives: benzoic acid/Na and ibuprofen/Na. *International Journal of Pharmaceutics*, **2000**, 194, 117-24	6.5	57
49	Solubility parameter of drugs for predicting the solubility profile type within a wide polarity range in solvent mixtures. *International Journal of Pharmaceutics*, **2006**, 321, 155-61	6.5	56
48	Partial solubility parameters of piroxicam and niflumic acid. *International Journal of Pharmaceutics*, **1998**, 174, 141-150	6.5	45
47	Further Numerical Analyses on the Solubility of Sulfapyridine in Ethanol + Water Mixtures **2016**, 22, 143-152		38
46	Proposition of group molar constants for sodium to calculate the partial solubility parameters of sodium salts using the van Krevelen group contribution method. *European Journal of Pharmaceutical Sciences*, **2000**, 10, 153-61	5.1	36
45	Solubility and preferential solvation of sulfadiazine, sulfamerazine and sulfamethazine in propylene glycol+water mixtures at 298.15K. *Journal of Molecular Liquids*, **2015**, 204, 132-136	6	35
44	Solubility temperature dependence and preferential solvation of sulfadiazine in 1,4-dioxane + water co-solvent mixtures. *Fluid Phase Equilibria*, **2015**, 397, 26-36	2.5	34
43	Partial-solubility parameters of naproxen and sodium diclofenac. *Journal of Pharmacy and Pharmacology*, **1998**, 50, 975-82	4.8	34
42	Solubility of sulfacetamide in (ethanol + water) mixtures: Measurement, correlation, thermodynamics, preferential solvation and volumetric contribution at saturation. *Journal of Molecular Liquids*, **2019**, 290, 111219	6	28
41	Solubility and preferential solvation of acetaminophen in methanol + water mixtures at 298.15 K. *Physics and Chemistry of Liquids*, **2016**, 54, 515-528	1.5	28
40	Preferential Solvation of Some Sulfonamides in Propylene Glycol + Water Solvent Mixtures According to the IKBI and QLQC Methods. *Journal of Solution Chemistry*, **2014**, 43, 360-374	1.8	28
39	Solubility and phase separation of benzocaine and salicylic acid in 1,4-dioxane-water mixtures at several temperatures. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 36, 571-8	3.5	26
38	Extended Hildebrand solubility approach applied to sulphadiazine, sulphamerazine and sulphamethazine in some {1-propanol (1) + water (2)} mixtures at 298.15 K. *Physics and Chemistry of Liquids*, **2019**, 57, 388-400	1.5	25
37	Enthalpy-entropy compensation analysis of the triclocarban dissolution process in some {1,4-dioxane (1) + water (2)} mixtures. *Journal of Molecular Liquids*, **2018**, 271, 522-529	6	22
36	Partial solubility parameters of lactose, mannitol and saccharose using the modified extended Hansen method and evaporation light scattering detection. *Chemical and Pharmaceutical Bulletin*, **2000**, 48, 179-83	1.9	18

35	Solubility of sulphadiazine in (acetonitrile + water) mixtures: measurement, correlation, thermodynamics and preferential solvation. *Physics and Chemistry of Liquids*, **2020**, 58, 381-396	1.5	18
34	Solvatación preferencial de algunas sulfonamidas en mezclas cosolventes 1,4-dioxano + agua a 298,15 K según el método de las integrales inversas de Kirkwood-Buff. *Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales*, **2014**, 38, 104	0.5	17
33	Thermodynamics of cosolvent action: phenacetin, salicylic acid and probenecid. *Journal of Pharmaceutical Sciences*, **2009**, 98, 1129-35	3.9	16
32	Influence of temperature on the solubilization of thiabendazole by combined action of solid dispersions and co-solvents. *International Journal of Pharmaceutics*, **2010**, 384, 93-9	6.5	16
31	Preferential Solvation of Indomethacin in Some Aqueous Co-Solvent Mixtures. *Chemical Engineering Communications*, **2016**, 203, 619-627	2.2	14
30	Extended Hildebrand solubility approach applied to some sulphonamides in propylene glycol + water mixtures. *Physics and Chemistry of Liquids*, **2015**, 53, 763-775	1.5	14
29	Solubility and apparent specific volume at saturation of some pharmaceutical salts in methanol + water mixtures at 298.15 K. *Journal of Molecular Liquids*, **2016**, 220, 842-847	6	14
28	Solubility and preferential solvation of some non-steroidal anti-inflammatory drugs in methanol + water mixtures at 298.15 K. *Physics and Chemistry of Liquids*, **2016**, 54, 686-702	1.5	14
27	Preferential solvation of some n-alkyl p-substituted benzoates in propylene glycol + water cosolvent mixtures. *Physics and Chemistry of Liquids*, **2015**, 53, 455-466	1.5	14
26	Solubility and saturation apparent specific volume of some sodium sulfonamides in propylene glycol + water mixtures at 298.15 K. *Journal of Molecular Liquids*, **2015**, 211, 192-196	6	13
25	Solubility and Apparent Specific Volume of Sucrose in Some Aqueous Polyethylene Glycol Mixtures at 298.2 K **2018**, 24, 163-167		13
24	Volumetric properties of {PEG 200 (or 300) (1) + water (2)} mixtures at several temperatures and correlation with the Jouyban–Acree model. *Physics and Chemistry of Liquids*, **2018**, 56, 100-109	1.5	12
23	Solubility behavior and prediction for antihelmintics at several temperatures in aqueous and nonaqueous mixtures. *Chemical and Pharmaceutical Bulletin*, **2010**, 58, 644-9	1.9	12
22	Equilibrium solubility, preferential solvation and apparent specific volume of sucrose in some {cosolvent (1) + water (2)} mixtures at 298.2 K. *Physics and Chemistry of Liquids*, **2019**, 57, 259-273	1.5	12
21	Hildebrand solubility parameter to predict drug release from hydroxypropyl methylcellulose gels. *International Journal of Pharmaceutics*, **2011**, 414, 125-30	6.5	11
20	Preferential Solvation of Acetaminophen in Propylene Glycol + Water Co-Solvent Mixtures. *Journal of Applied Solution Chemistry and Modeling*,65-73		9
19	Extended Hildebrand solubility approach applied to some structurally related sulfonamides in ethanol + water mixtures. *Revista Colombiana De Quimica*, **2016**, 45, 34	0.6	9
18	Effect of the characteristics of raw material ibuprofen on roller compaction and dissolution. *Journal of Drug Delivery Science and Technology*, **2017**, 42, 237-244	4.5	8

17	Raman spectral signatures for the differentiation of benzodiazepine drugs. *Analytical Methods*, **2014**, 6, 9536-9546	3.2	8
16	Extended Hildebrand solubility approach applied to some sulphapyrimidines in some {methanol (1) + water (2)} mixtures. *Physics and Chemistry of Liquids*, **2018**, 56, 176-188	1.5	7
15	Equilibrium solubility and apparent specific volume of lidocaine.HCl.H2O in some {cosolvent (1) + water (2)} mixtures at 298.2 K. *Physics and Chemistry of Liquids*, **2019**, 57, 679-688	1.5	5
14	Solubility, dissolution thermodynamics and preferential solvation of sulfadiazine in (N-methyl-2-pyrrolidone´+´water) mixtures. *Journal of Molecular Liquids*, **2021**, 330, 115693	6	5
13	Solubility of sulphadiazine in some {Carbitol (1) + water (2)} mixtures: determination, correlation, and preferential solvation. *Physics and Chemistry of Liquids*,1-17	1.5	5
12	Solubility of sulfamerazine in (ethylene glycol´+´water) mixtures: Measurement, correlation, dissolution thermodynamics and preferential solvation. *Journal of Molecular Liquids*, **2021**, 337, 116330	6	5
11	Effect of temperature and polarity on the solubility and preferential solvation of sinapic acid in aqueous mixtures of DMSO and Carbitol. *Journal of Molecular Liquids*, **2021**, 340, 117268	6	5
10	Preferential solvation of indomethacin in 1,4-dioxane + water mixtures according to the inverse KirkwoodBuff integrals method. *Physics and Chemistry of Liquids*, **2016**, 54, 462-474	1.5	4
9	Extended Hildebrand solubility approach applied to sulphadiazine in aqueous binary mixtures of Carbitol and N-methyl-2-pyrrolidone at 313.15 K. *Physics and Chemistry of Liquids*,1-12	1.5	3
8	Study of some volumetric properties of {ethanol (1) + propylene glycol (2) + water (3)} mixtures at several temperatures. *Physics and Chemistry of Liquids*, **2020**, 58, 105-115	1.5	3
7	Formulation and Evaluation of Loperamide HCl Oro Dispersible Tablets. *Pharmaceuticals*, **2020**, 13,	5.2	2
6	Equilibrium solubility and apparent specific volume at saturation of sodium diclofenac in {formamide (1)/N-methylformamide (1)/or N,N,-dimethylformamide (1) + water (2)} mixtures at 298.2 K. *Physics and Chemistry of Liquids*, **2020**, 58, 446-455	1.5	2
5	Apparent Specific Volumes of Sucrose in Different Aqueous Cosolvent Mixtures at 298.2 K **2018**, 24, 324-331		1
4	Equilibrium solubility and apparent specific volume at saturation of sodium sulfadiazine in some aqueous cosolvent mixtures at 298.2 K. *Physics and Chemistry of Liquids*, **2021**, 59, 40-52	1.5	1
3	Design, development, and characterization of amorphous rosuvastatin calcium tablets.. *PLoS ONE*, **2022**, 17, e0265263	3.7	1
2	Solubility of trans-resveratrol in {ethanol (1) + water (2)} mixtures revisited: Correlation, dissolution thermodynamics and preferential solvation. *Physics and Chemistry of Liquids*,1-16	1.5	
1	Solubility of tadalafil in aqueous mixtures of Transcutol and PEG 400 revisited: correlation, thermodynamics and preferential solvation. *Physics and Chemistry of Liquids*,1-17	1.5	