

M A Pena

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.

52
papers

985
citations

18
h-index

29
g-index

66
ext. papers

1,098
ext. citations

3.2
avg, IF

4.48
L-index

#	Paper	IF	Citations
52	Design, development, and characterization of amorphous rosuvastatin calcium tablets.. <i>PLoS ONE</i> , 2022 , 17, e0265263	3.7	1
51	Solubility, dissolution thermodynamics and preferential solvation of sulfadiazine in (N-methyl-2-pyrrolidone + water) mixtures. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115693	6	5
50	Equilibrium solubility and apparent specific volume at saturation of sodium sulfadiazine in some aqueous cosolvent mixtures at 298.2 K. <i>Physics and Chemistry of Liquids</i> , 2021 , 59, 40-52	1.5	1
49	Solubility of sulfamerazine in (ethylene glycol + water) mixtures: Measurement, correlation, dissolution thermodynamics and preferential solvation. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116330	6	5
48	Effect of temperature and polarity on the solubility and preferential solvation of sinapic acid in aqueous mixtures of DMSO and Carbitol. <i>Journal of Molecular Liquids</i> , 2021 , 340, 117268	6	5
47	Formulation and Evaluation of Loperamide HCl Oro Dispersible Tablets. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	2
46	Study of some volumetric properties of {ethanol (1) + propylene glycol (2) + water (3)} mixtures at several temperatures. <i>Physics and Chemistry of Liquids</i> , 2020 , 58, 105-115	1.5	3
45	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. <i>Physics and Chemistry of Liquids</i> , 2020 , 58, 446-455	1.5	2
44	Solubility of sulphadiazine in (acetonitrile + water) mixtures: measurement, correlation, thermodynamics and preferential solvation. <i>Physics and Chemistry of Liquids</i> , 2020 , 58, 381-396	1.5	18
43	Solubility of sulfacetamide in (ethanol + water) mixtures: Measurement, correlation, thermodynamics, preferential solvation and volumetric contribution at saturation. <i>Journal of Molecular Liquids</i> , 2019 , 290, 111219	6	28
42	Extended Hildebrand solubility approach applied to sulphadiazine, sulphamerazine and sulphamethazine in some {1-propanol (1) + water (2)} mixtures at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2019 , 57, 388-400	1.5	25
41	Equilibrium solubility and apparent specific volume of lidocaine.HCl.H ₂ O in some {cosolvent (1) + water (2)} mixtures at 298.2 K. <i>Physics and Chemistry of Liquids</i> , 2019 , 57, 679-688	1.5	5
40	Equilibrium solubility, preferential solvation and apparent specific volume of sucrose in some {cosolvent (1) + water (2)} mixtures at 298.2 K. <i>Physics and Chemistry of Liquids</i> , 2019 , 57, 259-273	1.5	12
39	Volumetric properties of {PEG 200 (or 300) (1) + water (2)} mixtures at several temperatures and correlation with the Jouyban-Acree model. <i>Physics and Chemistry of Liquids</i> , 2018 , 56, 100-109	1.5	12
38	Extended Hildebrand solubility approach applied to some sulphapyrimidines in some {methanol (1) + water (2)} mixtures. <i>Physics and Chemistry of Liquids</i> , 2018 , 56, 176-188	1.5	7
37	Solubility and Apparent Specific Volume of Sucrose in Some Aqueous Polyethylene Glycol Mixtures at 298.2 K 2018 , 24, 163-167		13
36	Apparent Specific Volumes of Sucrose in Different Aqueous Cosolvent Mixtures at 298.2 K 2018 , 24, 324-331		1

35	Enthalpy-entropy compensation analysis of the triclocarban dissolution process in some {1,4-dioxane (1) + water (2)} mixtures. <i>Journal of Molecular Liquids</i> , 2018 , 271, 522-529	6	22
34	Effect of the characteristics of raw material ibuprofen on roller compaction and dissolution. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 42, 237-244	4.5	8
33	Preferential Solvation of Indomethacin in Some Aqueous Co-Solvent Mixtures. <i>Chemical Engineering Communications</i> , 2016 , 203, 619-627	2.2	14
32	Solubility and apparent specific volume at saturation of some pharmaceutical salts in methanol + water mixtures at 298.15 K. <i>Journal of Molecular Liquids</i> , 2016 , 220, 842-847	6	14
31	Solubility and preferential solvation of acetaminophen in methanol + water mixtures at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2016 , 54, 515-528	1.5	28
30	Solution thermodynamics and preferential solvation of sulfamethazine in (methanol + water) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 264-276	2.9	74
29	Solubility and preferential solvation of some non-steroidal anti-inflammatory drugs in methanol + water mixtures at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2016 , 54, 686-702	1.5	14
28	Preferential solvation of indomethacin in 1,4-dioxane + water mixtures according to the inverse Kirkwood-Buff integrals method. <i>Physics and Chemistry of Liquids</i> , 2016 , 54, 462-474	1.5	4
27	Further Numerical Analyses on the Solubility of Sulfapyridine in Ethanol + Water Mixtures 2016 , 22, 143-152		38
26	Extended Hildebrand solubility approach applied to some structurally related sulfonamides in ethanol + water mixtures. <i>Revista Colombiana De Quimica</i> , 2016 , 45, 34	0.6	9
25	Extended Hildebrand solubility approach applied to some sulphonamides in propylene glycol + water mixtures. <i>Physics and Chemistry of Liquids</i> , 2015 , 53, 763-775	1.5	14
24	Solubility and saturation apparent specific volume of some sodium sulfonamides in propylene glycol + water mixtures at 298.15 K. <i>Journal of Molecular Liquids</i> , 2015 , 211, 192-196	6	13
23	Solubility temperature dependence and preferential solvation of sulfadiazine in 1,4-dioxane + water co-solvent mixtures. <i>Fluid Phase Equilibria</i> , 2015 , 397, 26-36	2.5	34
22	Preferential solvation of some n-alkyl p-substituted benzoates in propylene glycol + water cosolvent mixtures. <i>Physics and Chemistry of Liquids</i> , 2015 , 53, 455-466	1.5	14
21	Solubility and preferential solvation of sulfadiazine, sulfamerazine and sulfamethazine in propylene glycol+water mixtures at 298.15K. <i>Journal of Molecular Liquids</i> , 2015 , 204, 132-136	6	35
20	Preferential Solvation of Some Sulfonamides in Propylene Glycol + Water Solvent Mixtures According to the IKBI and QLQC Methods. <i>Journal of Solution Chemistry</i> , 2014 , 43, 360-374	1.8	28
19	Raman spectral signatures for the differentiation of benzodiazepine drugs. <i>Analytical Methods</i> , 2014 , 6, 9536-9546	3.2	8
18	Solvación 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. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2014 , 38, 104	0.5	17

17	Thermodynamic analysis and enthalpy-entropy compensation for the solubility of indomethacin in aqueous and non-aqueous mixtures. <i>Fluid Phase Equilibria</i> , 2011 , 308, 98-106	2.5	107
16	Hildebrand solubility parameter to predict drug release from hydroxypropyl methylcellulose gels. <i>International Journal of Pharmaceutics</i> , 2011 , 414, 125-30	6.5	11
15	Solubility behavior and prediction for antihelmintics at several temperatures in aqueous and nonaqueous mixtures. <i>Chemical and Pharmaceutical Bulletin</i> , 2010 , 58, 644-9	1.9	12
14	Influence of temperature on the solubilization of thiabendazole by combined action of solid dispersions and co-solvents. <i>International Journal of Pharmaceutics</i> , 2010 , 384, 93-9	6.5	16
13	Thermodynamics of cosolvent action: phenacetin, salicylic acid and probenecid. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 1129-35	3.9	16
12	Solubility parameter of drugs for predicting the solubility profile type within a wide polarity range in solvent mixtures. <i>International Journal of Pharmaceutics</i> , 2006 , 321, 155-61	6.5	56
11	Solubility and phase separation of benzocaine and salicylic acid in 1,4-dioxane-water mixtures at several temperatures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 571-8	3.5	26
10	Partial solubility parameters of lactose, mannitol and saccharose using the modified extended Hansen method and evaporation light scattering detection. <i>Chemical and Pharmaceutical Bulletin</i> , 2000 , 48, 179-83	1.9	18
9	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. <i>International Journal of Pharmaceutics</i> , 2000 , 194, 117-24	6.5	57
8	Proposition of group molar constants for sodium to calculate the partial solubility parameters of sodium salts using the van Krevelen group contribution method. <i>European Journal of Pharmaceutical Sciences</i> , 2000 , 10, 153-61	5.1	36
7	Partial-solubility parameters of naproxen and sodium diclofenac. <i>Journal of Pharmacy and Pharmacology</i> , 1998 , 50, 975-82	4.8	34
6	Partial solubility parameters of piroxicam and niflumic acid. <i>International Journal of Pharmaceutics</i> , 1998 , 174, 141-150	6.5	45
5	Preferential Solvation of Acetaminophen in Propylene Glycol + Water Co-Solvent Mixtures. <i>Journal of Applied Solution Chemistry and Modeling</i> , 65-73		9
4	Extended Hildebrand solubility approach applied to sulphadiazine in aqueous binary mixtures of Carbitol [®] and N-methyl-2-pyrrolidone at 313.15 K. <i>Physics and Chemistry of Liquids</i> , 1-12	1.5	3
3	Solubility of trans-resveratrol in {ethanol (1) + water (2)} mixtures revisited: Correlation, dissolution thermodynamics and preferential solvation. <i>Physics and Chemistry of Liquids</i> , 1-16	1.5	
2	Solubility of sulphadiazine in some {Carbitol [®] (1) + water (2)} mixtures: determination, correlation, and preferential solvation. <i>Physics and Chemistry of Liquids</i> , 1-17	1.5	5
1	Solubility of tadalafil in aqueous mixtures of Transcutol [®] and PEG 400 revisited: correlation, thermodynamics and preferential solvation. <i>Physics and Chemistry of Liquids</i> , 1-17	1.5	