Filomena Martins

List of Publications by Year
in descending order

52 papers	1,193 citations	471061 17 h-index	414034 32 g-index
52 all docs	52 docs citations	52 times ranked	1125 citing authors

#	Article	IF	Citations
1	In vitro Evaluation of Isoniazid Derivatives as Potential Agents Against Drug-Resistant Tuberculosis. Frontiers in Pharmacology, 2022, 13, .	1.6	2
2	The separation between solvent polarizability and solvent dipolarity: Revisiting the Kamlet-Abraham-Taft model equation. Journal of Molecular Liquids, 2022, 362, 119656.	2.3	5
3	Properties of the tert-butyl halide solvolysis transition states. Physical Chemistry Chemical Physics, 2021, 23, 3311-3320.	1.3	4
4	Paving the Way to Fight Multi-Drug Resistant Tuberculosis. Biophysical Journal, 2021, 120, 284a.	0.2	0
5	Designing new antitubercular isoniazid derivatives with improved reactivity and membrane trafficking abilities. Biomedicine and Pharmacotherapy, 2021, 144, 112362.	2.5	11
6	Standardization of antimicrobial testing of dental devices. Dental Materials, 2020, 36, e59-e73.	1.6	33
7	Probing Substrate/Catalyst Effects Using QSPR Analysis on Friedel-Crafts Acylation Reactions over Hierarchical BEA Zeolites. Molecules, 2020, 25, 5682.	1.7	4
8	Reply to the short communication â€œComments on Quantifying solvent effects through QSPR: A new look over different model equationsâ€• Journal of Molecular Liquids, 2020, 310, 113108.	2.3	1
9	Cinnamic Derivatives as Antitubercular Agents: Characterization by Quantitative Structureâ€“Activity Relationship Studies. Molecules, 2020, 25, 456.	1.7	9
10	Lipophilicity assessment of some isoniazid derivatives active against Mycobacterium tuberculosis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124820.	2.3	3
11	Quantifying solvent effects through QSPR: A new look over different model equations. Journal of Molecular Liquids, 2019, 291, 111244.	2.3	15
12	Zooming in with QSPR on Friedel-Crafts acylation reactions over modified BEA zeolites. Molecular Catalysis, 2019, 476, 110495.	1.0	8
13	Using solvatochromic probes to investigate intermolecular interactions in 1,4-dioxane/methanol/acetonitrile solvent mixtures. Journal of Molecular Liquids, 2018, 266, 259-268.	2.3	8
14	The role of ethanol-water solvent mixtures in N719 sensitization of electrodeposited ZnO nanorods. Journal of Solid State Electrochemistry, 2018, 22, 2779-2787.	1.2	1
15	Volumetric and refractive index study of the ternary mixture methanol/formamide/acetonitrile at 298.15 K. Journal of Molecular Liquids, 2017, 234, 463-468.	2.3	6
16	Kinetic study of Friedel-Crafts acylation reactions over hierarchical MCM-22 zeolites. Molecular Catalysis, 2017, 434, 175-183.	1.0	19
17	Revisiting the Reactions of tâ€‹BuX (X = Br, I) with Monoalcohols: A Mechanistic Analysis through Numerical Integration and Nonlinear Regression Methods. International Journal of Chemical Kinetics, 2017, 49, 100-111.	1.0	0
18	Insights on the Mechanism of Action of INH-C₁₀ as an Antitubercular Prodrug. Molecular Pharmaceutics, 2017, 14, 4597-4605.	2.3	15

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19	Structureâ€“property relationships in protic ionic liquids: a study of solventâ€“solvent and solventâ€“solute interactions. Physical Chemistry Chemical Physics, 2017, 19, 28133-28138.	1.3	26
20	Structureâ€“property relationships in protic ionic liquids: a thermochemical study. Physical Chemistry Chemical Physics, 2017, 19, 19928-19936.	1.3	15
21	Synthesis and Biological Evaluation of Hybrid 1,5- and 2,5-Disubstituted Indoles as Potentially New Antitubercular Agents. Medicinal Chemistry, 2017, 13, 439-447.	0.7	5
22	Use of quantitative structureâ€“property relationships to study the solvation process of 18-crown-6. Thermochimica Acta, 2015, 604, 140-144.	1.2	15
23	Molecular Details of INH-C₁₀ Binding to wt KatG and Its S315T Mutant. Molecular Pharmaceutics, 2015, 12, 898-909.	2.3	12
24	Design, synthesis and biological evaluation of novel isoniazid derivatives with potent antitubercular activity. European Journal of Medicinal Chemistry, 2014, 81, 119-138.	2.6	97
25	UVâ€“Vis spectroscopic study of preferential solvation and intermolecular interactions in methanol/1-propanol/acetonitrile by means of solvatochromic probes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 470-479.	2.0	23
26	Comparison of Multiple Linear Regressions and Neural Networks based QSAR models for the design of new antitubercular compounds. European Journal of Medicinal Chemistry, 2013, 70, 831-845.	2.6	43
27	Solution enthalpies of 1,4-dioxane: Study of solvent effects through quantitative structureâ€“property relationships. Thermochimica Acta, 2013, 574, 85-87.	1.2	12
28	A new approach for the extraction of pollutants from wastewaters handled by the graphic industry. Journal of Environmental Management, 2013, 122, 99-104.	3.8	0
29	QSAR Based Design of New Antitubercular Compounds: Improved Isoniazid Derivatives Against Multidrug-Resistant TB. Current Pharmaceutical Design, 2013, 20, 4427-4454.	0.9	18
30	Acidity and Hydrophobicity of Several New Potential Antitubercular Drugs: Isoniazid and Benzimidazole Derivatives. Journal of Chemical & Engineering Data, 2012, 57, 330-338.	1.0	43
31	Solution enthalpies of hydroxylic compounds. Journal of Thermal Analysis and Calorimetry, 2012, 108, 761-767.	2.0	9
32	Densities and refractive indices for the ternary mixture methanol/propan-1-ol/acetonitrile. Journal of Molecular Liquids, 2012, 170, 30-36.	2.3	14
33	Algorithms for Skin Permeability Using Hydrogen Bond Descriptors: the Problem of Steroids. Journal of Pharmacy and Pharmacology, 2011, 49, 858-865.	1.2	104
34	QSAR modeling of antitubercular activity of diverse organic compounds. Chemometrics and Intelligent Laboratory Systems, 2011, 107, 69-74.	1.8	24
35	Solvent effects on solution enthalpies of adamantyl derivatives. Journal of Thermal Analysis and Calorimetry, 2010, 100, 483-491.	2.0	15
36	Enthalpies of Solution of 1-Butyl-3-methylimidazolium Tetrafluoroborate in 15 Solvents at 298.15 K. Journal of Chemical & Engineering Data, 2010, 55, 616-620.	1.0	16

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37	Modeling Preferential Solvation in Ternary Solvent Systems. Journal of Physical Chemistry B, 2009, 113, 3071-3079.	1.2	18
38	Application of Quantitative Structureâ"Activity Relationships to the Modeling of Antitubercular Compounds. 1. The Hydrazide Family. Journal of Medicinal Chemistry, 2008, 51, 612-624.	2.9	56
39	The Influence of Carbon-Carbon Multiple Bonds on the Solvolyses of Tertiary Alkyl Halides: a Grunwald-Winstein Analysis. International Journal of Molecular Sciences, 2008, 9, 1704-1716.	1.8	6
40	Determination of solvation and specific interaction enthalpies of adamantane derivatives in aprotic solvents. Journal of Chemical Thermodynamics, 2007, 39, 1201-1205.	1.0	19
41	Design of an Excel Spreadsheet To Estimate Rate Constants, Determine Associated Errors, and Choose Curve's Extent. Journal of Chemical Education, 2006, 83, 1879.	1.1	12
42	Solvent and temperature effects on ion association and mobility of 2,6-lutidinium chloride in non-aqueous solvents. Molecular Physics, 2006, 104, 1905-1913.	0.8	8
43	Thermochemistry of 1-bromoadamantane in binary mixtures of waterâ€"aprotic solvent. Thermochimica Acta, 2006, 441, 27-29.	1.2	12
44	Solution enthalpies of 1-bromoadamantane in monoalcohols at 298.15K. Thermochimica Acta, 2006, 444, 83-85.	1.2	13
45	Solvation effects in the heterolyses of 3â€Xâ€3â€methylpentanes (Xâ€‰=â€‰Cl, Br, I). Journal of Physical Organic Chemistry, 2004, 17, 1061-1066.	0.9	11
46	Human Skin Permeation and Partition: General Linear Freeâ€Energy Relationship Analyses. Journal of Pharmaceutical Sciences, 2004, 93, 1508-1523.	1.6	182
47	Structural characterization of the ternary solvent mixture methanol-acetonitrile-1-propanol. Journal of Physical Organic Chemistry, 2002, 15, 623-630.	0.9	31
48	Hydrogen bonding. 47. Characterization of the ethylene glycolâ€"heptane partition system: Hydrogen bond acidity and basicity of peptides. Journal of Pharmaceutical Sciences, 1999, 88, 241-247.	1.6	58
49	Hydrogen bonding part 46: a review of the correlation and prediction of transport properties by an lfer method: physicochemical properties, brain penetration and skin permeability. Pest Management Science, 1999, 55, 78-88.	0.7	89
50	Hydrogen bonding part 46: a review of the correlation and prediction of transport properties by an lfer method: physicochemical properties, brain penetration and skin permeability. , 1999, 55, 78.		15
51	Hydrogen bonding part 46: A review of the correlation and prediction of transport properties by an LFER method: physicochemical properties, brain penetration and skin permeability??. Pest Management Science, 1999, 55, 78-88.	0.7	12
52	Enthalpies of solution and intermolecular forces.tert-butyl halides in hydroxylic solvents. Journal of Physical Organic Chemistry, 1992, 5, 93-100.	0.9	16