

Filomena Martins

List of Publications by Year in descending order

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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	Human Skin Permeation and Partition: General Linear Free-Energy Relationship Analyses. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 1508-1523.	1.6	182
2	Algorithms for Skin Permeability Using Hydrogen Bond Descriptors: the Problem of Steroids. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 858-865.	1.2	104
3	Design, synthesis and biological evaluation of novel isoniazid derivatives with potent antitubercular activity. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 119-138.	2.6	97
4	Hydrogen bonding part 46: a review of the correlation and prediction of transport properties by an IFT method: physicochemical properties, brain penetration and skin permeability. <i>Pest Management Science</i> , 1999, 55, 78-88.	0.7	89
5	Hydrogen bonding. 47. Characterization of the ethylene glycol/heptane partition system: Hydrogen bond acidity and basicity of peptides. <i>Journal of Pharmaceutical Sciences</i> , 1999, 88, 241-247.	1.6	58
6	Application of Quantitative Structure-Activity Relationships to the Modeling of Antitubercular Compounds. 1. The Hydrazide Family. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 612-624.	2.9	56
7	Acidity and Hydrophobicity of Several New Potential Antitubercular Drugs: Isoniazid and Benzimidazole Derivatives. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 330-338.	1.0	43
8	Comparison of Multiple Linear Regressions and Neural Networks based QSAR models for the design of new antitubercular compounds. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 831-845.	2.6	43
9	Standardization of antimicrobial testing of dental devices. <i>Dental Materials</i> , 2020, 36, e59-e73.	1.6	33
10	Structural characterization of the ternary solvent mixture methanol-acetonitrile-1-propanol. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 623-630.	0.9	31
11	Structure-property relationships in protic ionic liquids: a study of solvent-solvent and solvent-solute interactions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28133-28138.	1.3	26
12	QSAR modeling of antitubercular activity of diverse organic compounds. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 107, 69-74.	1.8	24
13	UV-Vis spectroscopic study of preferential solvation and intermolecular interactions in methanol/1-propanol/acetonitrile by means of solvatochromic probes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 470-479.	2.0	23
14	Determination of solvation and specific interaction enthalpies of adamantane derivatives in aprotic solvents. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1201-1205.	1.0	19
15	Kinetic study of Friedel-Crafts acylation reactions over hierarchical MCM-22 zeolites. <i>Molecular Catalysis</i> , 2017, 434, 175-183.	1.0	19
16	Modeling Preferential Solvation in Ternary Solvent Systems. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3071-3079.	1.2	18
17	QSAR Based Design of New Antitubercular Compounds: Improved Isoniazid Derivatives Against Multidrug-Resistant TB. <i>Current Pharmaceutical Design</i> , 2013, 20, 4427-4454.	0.9	18
18	Enthalpies of solution and intermolecular forces. tert-butyl halides in hydroxylic solvents. <i>Journal of Physical Organic Chemistry</i> , 1992, 5, 93-100.	0.9	16

#	ARTICLE	IF	CITATIONS
19	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
20	Solvent effects on solution enthalpies of adamantyl derivatives. Journal of Thermal Analysis and Calorimetry, 2010, 100, 483-491.	2.0	15
21	Use of quantitative structure–property relationships to study the solvation process of 18-crown-6. Thermochemica Acta, 2015, 604, 140-144.	1.2	15
22	Insights on the Mechanism of Action of INH-C ₁₀ as an Antitubercular Prodrug. Molecular Pharmaceutics, 2017, 14, 4597-4605.	2.3	15
23	Structure–property relationships in protic ionic liquids: a thermochemical study. Physical Chemistry Chemical Physics, 2017, 19, 19928-19936.	1.3	15
24	Quantifying solvent effects through QSPR: A new look over different model equations. Journal of Molecular Liquids, 2019, 291, 111244.	2.3	15
25	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
26	Densities and refractive indices for the ternary mixture methanol/propan-1-ol/acetonitrile. Journal of Molecular Liquids, 2012, 170, 30-36.	2.3	14
27	Solution enthalpies of 1-bromoadamantane in monoalcohols at 298.15K. Thermochemica Acta, 2006, 444, 83-85.	1.2	13
28	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
29	Thermochemistry of 1-bromoadamantane in binary mixtures of water–aprotic solvent. Thermochemica Acta, 2006, 441, 27-29.	1.2	12
30	Solution enthalpies of 1,4-dioxane: Study of solvent effects through quantitative structure–property relationships. Thermochemica Acta, 2013, 574, 85-87.	1.2	12
31	Molecular Details of INH-C ₁₀ Binding to <i>wt</i> KatG and Its S315T Mutant. Molecular Pharmaceutics, 2015, 12, 898-909.	2.3	12
32	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
33	Solvation effects in the heterolyses of 3-methylpentanes (X=Cl, Br, I). Journal of Physical Organic Chemistry, 2004, 17, 1061-1066.	0,9	11
34	Designing new antitubercular isoniazid derivatives with improved reactivity and membrane trafficking abilities. Biomedicine and Pharmacotherapy, 2021, 144, 112362.	2.5	11
35	Solution enthalpies of hydroxylic compounds. Journal of Thermal Analysis and Calorimetry, 2012, 108, 761-767.	2.0	9
36	Cinnamic Derivatives as Antitubercular Agents: Characterization by Quantitative Structure–Activity Relationship Studies. Molecules, 2020, 25, 456.	1.7	9

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37	Solvent and temperature effects on ion association and mobility of 2,6-lutidinium chloride in non-aqueous solvents. <i>Molecular Physics</i> , 2006, 104, 1905-1913.	0.8	8
38	Using solvatochromic probes to investigate intermolecular interactions in 1,4-dioxane/methanol/acetonitrile solvent mixtures. <i>Journal of Molecular Liquids</i> , 2018, 266, 259-268.	2.3	8
39	Zooming in with QSPR on Friedel-Crafts acylation reactions over modified BEA zeolites. <i>Molecular Catalysis</i> , 2019, 476, 110495.	1.0	8
40	The Influence of Carbon-Carbon Multiple Bonds on the Solvolyses of Tertiary Alkyl Halides: a Grunwald-Winstein Analysis. <i>International Journal of Molecular Sciences</i> , 2008, 9, 1704-1716.	1.8	6
41	Volumetric and refractive index study of the ternary mixture methanol/formamide/acetonitrile at 298.15 K. <i>Journal of Molecular Liquids</i> , 2017, 234, 463-468.	2.3	6
42	Synthesis and Biological Evaluation of Hybrid 1,5- and 2,5-Disubstituted Indoles as Potentially New Antitubercular Agents. <i>Medicinal Chemistry</i> , 2017, 13, 439-447.	0.7	5
43	The separation between solvent polarizability and solvent dipolarity: Revisiting the Kamlet-Abraham-Taft model equation. <i>Journal of Molecular Liquids</i> , 2022, 362, 119656.	2.3	5
44	Probing Substrate/Catalyst Effects Using QSPR Analysis on Friedel-Crafts Acylation Reactions over Hierarchical BEA Zeolites. <i>Molecules</i> , 2020, 25, 5682.	1.7	4
45	Properties of the <i>tert</i> -butyl halide solvolysis transition states. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3311-3320.	1.3	4
46	Lipophilicity assessment of some isoniazid derivatives active against <i>Mycobacterium tuberculosis</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124820.	2.3	3
47	In vitro Evaluation of Isoniazid Derivatives as Potential Agents Against Drug-Resistant Tuberculosis. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	2
48	The role of ethanol-water solvent mixtures in N719 sensitization of electrodeposited ZnO nanorods. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2779-2787.	1.2	1
49	Reply to the short communication "Comments on Quantifying solvent effects through QSPR: A new look over different model equations". <i>Journal of Molecular Liquids</i> , 2020, 310, 113108.	2.3	1
50	A new approach for the extraction of pollutants from wastewaters handled by the graphic industry. <i>Journal of Environmental Management</i> , 2013, 122, 99-104.	3.8	0
51	Revisiting the Reactions of <i>tert</i> -BuX (X = Br, I) with Monoalcohols: A Mechanistic Analysis through Numerical Integration and Nonlinear Regression Methods. <i>International Journal of Chemical Kinetics</i> , 2017, 49, 100-111.	1.0	0
52	Paving the Way to Fight Multi-Drug Resistant Tuberculosis. <i>Biophysical Journal</i> , 2021, 120, 284a.	0.2	0