

Ruben Elvas Leitao

List of Publications by Year in descending order

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38
papers

680
citations

623574

14
h-index

580701

25
g-index

38
all docs

38
docs citations

38
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of solute lipophilicity, as log P(octanol) and log P(alkane) using poly(styrene- <i>co</i> -divinylbenzene) and immobilised artificial membrane stationary phases in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1997, 766, 35-47.	1.8	156
2	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
3	Voltammetric studies of the transpassive dissolution of mild steel in carbonate/bicarbonate solutions. <i>Electrochimica Acta</i> , 1989, 34, 255-263.	2.6	32
4	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
5	Some aspects of the electrochemical behaviour of mild steel in carbonate/bicarbonate solutions. <i>Electrochimica Acta</i> , 1986, 31, 1659-1662.	2.6	28
6	QSAR modeling of antitubercular activity of diverse organic compounds. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 107, 69-74.	1.8	24
7	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
8	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
9	Kinetic study of Friedel-Crafts acylation reactions over hierarchical MCM-22 zeolites. <i>Molecular Catalysis</i> , 2017, 434, 175-183.	1.0	19
10	Modeling Preferential Solvation in Ternary Solvent Systems. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3071-3079.	1.2	18
11	Enthalpies of Solution of 1-Butyl-3-methylimidazolium Tetrafluoroborate in 15 Solvents at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 616-620.	1.0	16
12	Solvent effects on solution enthalpies of adamantyl derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 483-491.	2.0	15
13	Use of quantitative structure-property relationships to study the solvation process of 18-crown-6. <i>Thermochimica Acta</i> , 2015, 604, 140-144.	1.2	15
14	Insights on the Mechanism of Action of INH-C ₁₀ as an Antitubercular Prodrug. <i>Molecular Pharmaceutics</i> , 2017, 14, 4597-4605.	2.3	15
15	Quantifying solvent effects through QSPR: A new look over different model equations. <i>Journal of Molecular Liquids</i> , 2019, 291, 111244.	2.3	15
16	Densities and refractive indices for the ternary mixture methanol/propan-1-ol/acetonitrile. <i>Journal of Molecular Liquids</i> , 2012, 170, 30-36.	2.3	14
17	Solution enthalpies of 1-bromoadamantane in monoalcohols at 298.15K. <i>Thermochimica Acta</i> , 2006, 444, 83-85.	1.2	13
18	Design of an Excel Spreadsheet To Estimate Rate Constants, Determine Associated Errors, and Choose Curve's Extent. <i>Journal of Chemical Education</i> , 2006, 83, 1879.	1.1	12

#	ARTICLE	IF	CITATIONS
19	Thermochemistry of 1-bromoadamantane in binary mixtures of waterâ€“aprotic solvent. <i>Thermochimica Acta</i> , 2006, 441, 27-29.	1.2	12
20	Solution enthalpies of 1,4-dioxane: Study of solvent effects through quantitative structureâ€“property relationships. <i>Thermochimica Acta</i> , 2013, 574, 85-87.	1.2	12
21	Molecular Details of INH-C ₁₀ Binding to <i>wt</i> KatG and Its S315T Mutant. <i>Molecular Pharmaceutics</i> , 2015, 12, 898-909.	2.3	12
22	Solvation effects in the heterolyses of 3â€“methylpentanes (X=Cl, Br, I). <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 1061-1066.	0.9	11
23	Solution enthalpies of hydroxylic compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 761-767.	2.0	9
24	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
25	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
26	Zooming in with QSPR on Friedel-Crafts acylation reactions over modified BEA zeolites. <i>Molecular Catalysis</i> , 2019, 476, 110495.	1.0	8
27	Simultaneous monitoring of toxic metals on white poplar (<i>populus</i>) by SWASV. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1275-1282.	0.6	7
28	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
29	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
30	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
31	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
32	Properties of the <i>tert</i> -butyl halide solvolysis transition states. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3311-3320.	1.3	4
33	Monte Carlo Method Applied to the Estimation of Coefficient Errors in $\ln k = f(T)$ Equations. <i>The Journal of Physical Chemistry</i> , 1994, 98, 9537-9540.	2.9	3
34	Composition and in vitro antioxidants activity of <i>Chamaerops humilis</i> L., 2017, , .		1
35	Reply to the short communication â€œComments on Quantifying solvent effects through QSPR: A new look over different model equationsâ€. <i>Journal of Molecular Liquids</i> , 2020, 310, 113108.	2.3	1
36	Fighting Collinearity in QSPR Equations for Solution Kinetics with the Monte Carlo Method and Total Weighting. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	1

#	ARTICLE	IF	CITATIONS
37	Study of Metal–NH ₃ Interfaces (Metal = Cu, Ni, Ag) Using Potentiostatic Curves. Journal of Chemical Education, 2007, 84, 1017.	1.1	0
38	Revisiting the Reactions of <i>n</i> -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