

Luis M N B F Santos

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187
papers

7,247
citations

41
h-index

80
g-index

200
ext. papers

7,946
ext. citations

3.5
avg, IF

5.9
L-index

#	Paper	IF	Citations
187	Mutual solubilities of water and hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13082-9	3.4	347
186	Mutual solubilities of water and the [C(n)mim][Tf(2)N] hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 1604-10	3.4	289
185	Ionic liquids: first direct determination of their cohesive energy. <i>Journal of the American Chemical Society</i> , 2007 , 129, 284-5	16.4	278
184	An overview of the mutual solubilities of waterimidazolium-based ionic liquids systems. <i>Fluid Phase Equilibria</i> , 2007 , 261, 449-454	2.5	265
183	Volatility of Aprotic Ionic Liquids [A Review]. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3-12	2.8	259
182	Thermophysical Characterization of Ionic Liquids Able To Dissolve Biomass. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4813-4822	2.8	254
181	The design, construction, and testing of a new Knudsen effusion apparatus. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 778-787	2.9	203
180	Effect of Water on the Viscosities and Densities of 1-Butyl-3-methylimidazolium Dicyanamide and 1-Butyl-3-methylimidazolium Tricyanomethane at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 645-652	2.8	200
179	Evaluation of cation-anion interaction strength in ionic liquids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4033-41	3.4	197
178	Measurement of enthalpies of sublimation by drop method in a Calvet type calorimeter: design and test of a new system. <i>Thermochimica Acta</i> , 2004 , 415, 15-20	2.9	189
177	Specific solvation interactions of CO ₂ on acetate and trifluoroacetate imidazolium based ionic liquids at high pressures. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6803-12	3.4	186
176	High-accuracy vapor pressure data of the extended [C(n)C1im][Ntf2] ionic liquid series: trend changes and structural shifts. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 10919-26	3.4	182
175	Optical band gaps of organic semiconductor materials. <i>Optical Materials</i> , 2016 , 58, 51-60	3.3	169
174	Alkylimidazolium based ionic liquids: impact of cation symmetry on their nanoscale structural organization. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10889-97	3.4	168
173	Ion specific effects on the mutual solubilities of water and hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 202-11	3.4	168
172	New Static Apparatus and Vapor Pressure of Reference Materials: Naphthalene, Benzoic Acid, Benzophenone, and Ferrocene. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 757-766	2.8	139
171	Evaluation of COSMO-RS for the prediction of LLE and VLE of water and ionic liquids binary systems. <i>Fluid Phase Equilibria</i> , 2008 , 268, 74-84	2.5	127

170	Microencapsulation of natural antioxidants for food application □The specific case of coffee antioxidants □A review. <i>Trends in Food Science and Technology</i> , 2016 , 58, 21-39	15.3	120
169	Evaluation of COSMO-RS for the prediction of LLE and VLE of alcohols+ionic liquids. <i>Fluid Phase Equilibria</i> , 2007 , 255, 167-178	2.5	118
168	¹ H NMR and molecular dynamics evidence for an unexpected interaction on the origin of salting-in/salting-out phenomena. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2004-14	3.4	109
167	Prediction of aqueous solubilities of solid carboxylic acids with COSMO-RS. <i>Fluid Phase Equilibria</i> , 2010 , 289, 140-147	2.5	102
166	Solubility of Water in Tetradecyltrihexylphosphonium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2378-2382	2.8	101
165	Labtermo: Methodologies for the calculation of the corrected temperature rise in isoperibol calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 175-180	4.1	98
164	Energetics of 6-methoxyquinoline and 6-methoxyquinoline N-oxide: the dissociation enthalpy of the (N=O) bond. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 1093-1100	2.9	78
163	Thermodynamics of the Interaction between a Hydrophobically Modified Polyelectrolyte and Sodium Dodecyl Sulfate in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 405-413	3.4	71
162	Thermophysical Properties and Water Saturation of [PF ₆]-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5065-5073	2.8	70
161	Vapor-Liquid Equilibria of Water + Alkylimidazolium-Based Ionic Liquids: Measurements and Perturbed-Chain Statistical Associating Fluid Theory Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3737-3748	3.9	69
160	Cation alkyl side chain length and symmetry effects on the surface tension of ionic liquids. <i>Langmuir</i> , 2014 , 30, 6408-18	4	65
159	Cation symmetry effect on the volatility of ionic liquids. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10923-7	3.7	65
158	Structure and aggregation in the 1,3-dialkyl-imidazolium bis(trifluoromethylsulfonyl)imide ionic liquid family: 2. From single to double long alkyl side chains. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 6885-95	3.4	59
157	Densities and Vapor Pressures of Highly Fluorinated Compounds. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1328-1333	2.8	58
156	Thermophysical properties of [CN ₁ C ₁ im][PF ₆] ionic liquids. <i>Journal of Molecular Liquids</i> , 2013 , 188, 196-202	3.7	57
155	New Knudsen effusion apparatus with simultaneous gravimetric and quartz crystal microbalance mass loss detection. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 834-843	2.9	57
154	The effect of the cation alkyl chain branching on mutual solubilities with water and toxicities. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19952-63	3.6	56
153	Heat capacities at 298.15K of the extended [C _n C ₁ im][Ntf ₂] ionic liquid series. <i>Journal of Chemical Thermodynamics</i> , 2012 , 53, 140-143	2.9	56

152	Ionic liquids microemulsions: the key to <i>Candida antarctica</i> lipase B superactivity. <i>Green Chemistry</i> , 2012 , 14, 1620	10	55
151	Densities, Viscosities and Derived Thermophysical Properties of Water-Saturated Imidazolium-Based Ionic Liquids. <i>Fluid Phase Equilibria</i> , 2016 , 407, 188-196	2.5	54
150	Blackberry anthocyanins: Cyclodextrin fortification for thermal and gastrointestinal stabilization. <i>Food Chemistry</i> , 2018 , 245, 426-431	8.5	52
149	Thermodynamic properties of perfluoro-n-octane. <i>Fluid Phase Equilibria</i> , 2004 , 225, 39-47	2.5	47
148	Mutual solubilities between water and non-aromatic sulfonium-, ammonium- and phosphonium-hydrophobic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 4569-77	3.6	45
147	Vapor-Liquid Equilibria of Imidazolium Ionic Liquids with Cyano Containing Anions with Water and Ethanol. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10287-303	3.4	41
146	Recommended vapor pressure and thermophysical data for ferrocene. <i>Journal of Chemical Thermodynamics</i> , 2013 , 57, 530-540	2.9	40
145	A new microebulliometer for the measurement of the vapor-liquid equilibrium of ionic liquid systems. <i>Fluid Phase Equilibria</i> , 2013 , 354, 156-165	2.5	39
144	Density and Viscosity Data for Binary Mixtures of 1-Alkyl-3-methylimidazolium Alkylsulfates + Water. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3473-3482	2.8	38
143	Hole Transport Materials Based Thin Films: Topographic Structures and Phase Transition Thermodynamics of Triphenylamine Derivatives. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10919-10928 ^{3.8}	3.8	37
142	Enhancing the antioxidant characteristics of phenolic acids by their conversion into cholinium salts. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2558-2565	8.3	36
141	Vapor pressures of 1,3-dialkylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids with long alkyl chains. <i>Journal of Chemical Physics</i> , 2014 , 141, 134502	3.9	36
140	First volatility study of the 1-alkylpyridinium based ionic liquids by Knudsen effusion. <i>Chemical Physics Letters</i> , 2013 , 585, 59-62	2.5	35
139	A new calorimetric system to measure heat capacities of solids by the drop method. <i>Measurement Science and Technology</i> , 2006 , 17, 1405-1408	2	35
138	Solubility of water in fluorocarbons: Experimental and COSMO-RS prediction results. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 213-219	2.9	34
137	Comprehensive Study on the Impact of the Cation Alkyl Side Chain Length on the Solubility of Water in Ionic Liquids. <i>Journal of Molecular Liquids</i> , 2015 , 210, 264-271	6	33
136	Energetic studies and phase diagram of thioxanthene. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 12988-98	2.8	33
135	The alternation effect in ionic liquid homologous series. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4033-8	3.6	32

134	Evidence of nanostructuration from the heat capacities of the 1,3-dialkylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid series. <i>Journal of Chemical Physics</i> , 2013 , 139, 104502	3.9	32
133	Experimental support for the role of dispersion forces in aromatic interactions. <i>Chemistry - A European Journal</i> , 2012 , 18, 8934-43	4.8	31
132	Water solubility in linear fluoroalkanes used in blood substitute formulations. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 22923-9	3.4	31
131	Volatility study of [C1C1im][NTf2] and [C2C3im][NTf2] ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 68, 317-321	2.9	30
130	Ohmic heating as a new efficient process for organic synthesis in water. <i>Green Chemistry</i> , 2013 , 15, 970	10	30
129	Chain Length Dependence of the Thermodynamic Properties of n-Alkanes and their Monosubstituted Derivatives. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1-20	2.8	29
128	Thermodynamic study of selected monoterpenes. <i>Journal of Chemical Thermodynamics</i> , 2013 , 60, 117-125	9	28
127	Vapour pressures, enthalpies and entropies of sublimation of para substituted benzoic acids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 465-474	4.1	28
126	Reassembling and testing of a high-precision heat capacity drop calorimeter. Heat capacity of some polyphenyls at T= 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1818-1823	2.9	27
125	Standard molar enthalpies of formation and of sublimation of the terphenyl isomers. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 375-385	2.9	27
124	Calibration and test of an aneroid mini-bomb combustion calorimeter. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 689-697	2.9	26
123	Exploring the selectivity of the Suzuki-Miyaura cross-coupling reaction in the synthesis of aryl naphthalenes. <i>Tetrahedron</i> , 2011 , 67, 689-697	2.4	25
122	Electron Transport Materials for Organic Light-Emitting Diodes: Understanding the Crystal and Molecular Stability of the Tris(8-hydroxyquinolines) of Al, Ga, and In. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 21762-21769	3.8	24
121	Phenyl naphthalenes: sublimation equilibrium, conjugation, and aromatic interactions. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 3557-70	3.4	24
120	Structural and thermodynamic characterization of polyphenylbenzenes. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 11876-88	2.8	24
119	Thermodynamics of long-chain 1-alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 331-340	2.9	23
118	Role of the Base and Control of Selectivity in the Suzuki-Miyaura Cross-Coupling Reaction. <i>ChemCatChem</i> , 2014 , 6, n/a-n/a	5.2	23
117	Phase behavior and heat capacities of the 1-benzyl-3-methylimidazolium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016 , 100, 124-130	2.9	23

116	Novel 2-alkyl-1-ethylpyridinium ionic liquids: synthesis, dissociation energies and volatility. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 2560-72	3.6	22
115	Impact of the cation symmetry on the mutual solubilities between water and imidazolium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2014 , 375, 161-167	2.5	22
114	Ohmic Heating-Assisted Synthesis of 3-Arylquinolin-4(1H)-ones by a Reusable and Ligand-Free Suzuki-Miyaura Reaction in Water. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6649-59	4.2	22
113	Nanostructuring Effect on the Thermal Behavior of Ionic Liquids. <i>ChemPhysChem</i> , 2016 , 17, 1512-7	3.2	22
112	The Effect of vs. Isomerization on the Thermophysical Properties of Aromatic and Non-aromatic Ionic Liquids. <i>Fluid Phase Equilibria</i> , 2016 , 423, 190-202	2.5	22
111	On the Deposition of Lead Halide Perovskite Precursors by Physical Vapor Method. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2080-2087	3.8	21
110	Description and Test of a New Multilayer Thin Film Vapor Deposition Apparatus for Organic Semiconductor Materials. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 3776-3791	2.8	20
109	Thermodynamic Study of 4-n-Alkyloxybenzoic Acids. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2238-2245	2.8	20
108	Ohmic Heating: An Emerging Concept in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2017 , 23, 7853-7865	4.8	19
107	Prediction of environmental parameters of polycyclic aromatic hydrocarbons with COSMO-RS. <i>Chemosphere</i> , 2010 , 79, 821-9	8.4	19
106	Thermodynamic Study on the Sublimation of Anthracene-Like Compounds. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5264-5270	2.8	18
105	Nucleation and growth of microdroplets of ionic liquids deposited by physical vapor method onto different surfaces. <i>Applied Surface Science</i> , 2018 , 428, 242-249	6.7	17
104	Substituent effects on the energetics and aromaticity of aminomethylbenzoic acids. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10598-603	2.8	17
103	Calorimetric and computational study of indanones. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 11153-9	2.8	17
102	Standard molar enthalpies of formation of three N-benzoylthiocarbamic-O-alkylesters. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 491-495	2.9	17
101	Nature of the C2-methylation effect on the properties of imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5326-5332	3.6	16
100	Effect of the Methylation and N-H Acidic Group on the Physicochemical Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 8781-92	3.4	16
99	Solid-liquid equilibrium and heat capacity trend in the alkylimidazolium PF6 series. <i>Journal of Molecular Liquids</i> , 2017 , 248, 678-687	6	15

98	Neutral, ion gas-phase energetics and structural properties of hydroxybenzophenones. <i>Journal of Organic Chemistry</i> , 2010 , 75, 2564-71	4.2	15
97	Thermodynamic study of 1,2,3-triphenylbenzene and 1,3,5-triphenylbenzene. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 134-139	2.9	15
96	Synthesis and Characterization of Surface-Active Ionic Liquids Used in the Disruption of Escherichia Coli Cells. <i>ChemPhysChem</i> , 2019 , 20, 727-735	3.2	14
95	Solvation of alcohols in ionic liquids - understanding the effect of the anion and cation. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 2536-2548	3.6	14
94	Understanding M-ligand bonding and mer-/fac-isomerism in tris(8-hydroxyquinolate) metallic complexes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16555-65	3.6	14
93	Evidence of an odd-even effect on the thermodynamic parameters of odd fluorotelomer alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 171-178	2.9	14
92	Aqueous solubility, effects of salts on aqueous solubility, and partitioning behavior of hexafluorobenzene: experimental results and COSMO-RS predictions. <i>Chemosphere</i> , 2011 , 84, 415-22	8.4	14
91	N'-Benzoyl-N,N-diethyl-thio-urea: a monoclinic polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o870		14
90	Thermochemical studies on five N-thenoylthiocarbamic-O-n-alkylesters. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 767-772	2.9	14
89	Morphology of Imidazolium-Based Ionic Liquids as Deposited by Vapor Deposition: Micro-/Nanodroplets and Thin Films. <i>ChemPhysChem</i> , 2016 , 17, 2123-7	3.2	14
88	Gaseous Phase Heat Capacity of Benzoic Acid. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2799-2808	2.8	13
87	The role of aromatic interactions in the structure and energetics of benzyl ketones. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11228-37	3.6	13
86	Standard molar enthalpies of formation of copper(II) β -diketonates and monothio- β -diketonates. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 817-824	2.9	13
85	In situ temperature measurement of an optical fiber submitted to electric arc discharges. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2111-2113	2.2	13
84	Thermochemical and structural studies of gallic and ellagic acids. <i>Journal of Chemical Thermodynamics</i> , 2019 , 129, 108-113	2.9	13
83	Development of the Knudsen effusion methodology for vapour pressure measurements of low volatile liquids and solids based on a quartz crystal microbalance. <i>Journal of Chemical Thermodynamics</i> , 2018 , 126, 171-186	2.9	12
82	Thermochemistry of some metallic amino acid complexes. <i>Thermochimica Acta</i> , 1992 , 205, 115-125	2.9	12
81	Crystallization and Glass-Forming Ability of Ionic Liquids: Novel Insights into Their Thermal Behavior. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2989-2997	8.3	12

80	Thermodynamic properties of sublimation of the ortho and meta isomers of acetoxy and acetamido benzoic acids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 86, 6-12	2.9	11
79	Physicochemical properties of 2-alkyl-1-ethylpyridinium based ionic liquids. <i>Fluid Phase Equilibria</i> , 2016 , 428, 112-120	2.5	11
78	Solubility and solvation of monosaccharides in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19722-30	3.6	11
77	Analysis of the isomerism effect on the mutual solubilities of bis(trifluoromethylsulfonyl)imide-based ionic liquids with water. <i>Fluid Phase Equilibria</i> , 2014 , 381, 28-35	2.5	11
76	Thermodynamic insights on the structure and energetics of s-triphenyltriazine. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9249-58	2.8	11
75	Phase transition equilibrium of terthiophene isomers. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 133-139	2.9	11
74	Chain-Length Dependence of the Thermodynamic Behavior of Homologous μ -Disubstituted Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2229-2246	2.8	10
73	Phase Stability Trend in Linear μ -Polythiophene Oligomers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23543-23551	3.8	10
72	Phase transition thermodynamics of phenyl and biphenyl naphthalenes. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1458-1463	2.9	10
71	Thermochemical studies of three N-thiocarbamoylbenzamidines. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 555-559	2.9	10
70	Standard molar enthalpies of formation of $\text{Ni}(\text{CH}_3\text{COO})_2$, $\text{Ni}(\text{CH}_3\text{COO})_2 \cdot 4.00 \text{H}_2\text{O}$, $\text{Cd}(\text{CH}_3\text{COO})_2$, and $\text{Cd}(\text{CH}_3\text{COO})_2 \cdot 2.00 \text{H}_2\text{O}$ in the crystalline state. <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 1327-1334	2.9	10
69	Thermochemistry of some metallic amino acid complexes. <i>Thermochimica Acta</i> , 1992 , 205, 99-113	2.9	10
68	Experimental Evidence for Azeotrope Formation from Protic Ionic Liquids. <i>ChemPhysChem</i> , 2018 , 19, 2364-2369	3.2	10
67	Vaporization of protic ionic liquids derived from organic superbases and short carboxylic acids. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16693-16701	3.6	9
66	Standard molar enthalpies of formation of nickel(II) μ -diketonates and monothio- μ -diketonates. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 361-370	2.9	9
65	Fluorination effect on the thermodynamic properties of long-chain hydrocarbons and alcohols. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 378-385	2.9	9
64	Diarylferrocene tweezers for cation binding. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23917-23	3.6	8
63	High purity and crystalline thin films of methylammonium lead iodide perovskites by a vapor deposition approach. <i>Thin Solid Films</i> , 2018 , 664, 12-18	2.2	8

62	Energetics of 2- and 3-coumaranone isomers: A combined calorimetric and computational study. <i>Journal of Chemical Thermodynamics</i> , 2013 , 67, 210-216	2.9	8
61	Molecular energetics of alkyl substituted pyridine N-oxides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 431-439	4.1	8
60	Thermodynamic Properties of Three Pyridine Carboxylic Acid Methyl Ester Isomers. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 580-585	2.8	8
59	Thermochemical studies of two N-(diethylaminothiocarbonyl)benzimidazole derivatives. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1455-1460	2.9	8
58	Standard molar enthalpy of formation of monothiodibenzoylmethane by rotating-bomb calorimetry. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 447-451	2.9	8
57	Alcohols as molecular probes in ionic liquids: evidence for nanostructuring. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19267-75	3.6	7
56	Thin film deposition of organic hole transporting materials: optical, thermodynamic and morphological properties of naphthyl-substituted benzidines. <i>Journal of Materials Science</i> , 2018 , 53, 12974-12987	4.3	7
55	Energetic and structural study of bisphenols. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 3705-9	2.8	7
54	Predicting Physico-Chemical Properties of Alkylated Naphthalenes with COSMO-RS. <i>Polycyclic Aromatic Compounds</i> , 2013 , 33, 1-19	1.3	7
53	Crystal Structure of 2-Thiophenecarboxamide: A One-dimensional Tubular Structure Formed by N-H...O Hydrogen Bonds. <i>Journal of Chemical Crystallography</i> , 2009 , 39, 747-752	0.5	7
52	Vapor Pressures of Solid and Liquid Xanthene and Phenoxathiin from Effusion and Static Studies. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1922-1926	2.8	7
51	Estimation of the fiber temperature during an arc-discharge. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2020-2025	1.2	7
50	Synthesis of (E)-3-Styrylquinolin-4(1H)-ones in Water by Ohmic Heating: a Comparison with Other Methodologies. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 2888-2896	3.2	7
49	Energetics of neutral and deprotonated (Z)-cinnamic acid. <i>Journal of Chemical Thermodynamics</i> , 2016 , 95, 195-201	2.9	6
48	2-[(1E,3E)-4-Arylbuta-1,3-dien-1-yl]-4H-chromen-4-ones as Dienes in Diels-Alder Reactions: Experimental and Computational Studies. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 87-101	3.2	6
47	Thermochemical and structural properties of DMAN-proton sponges. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 346-351	2.9	6
46	Isomerization effect on the heat capacities and phase behavior of oligophenyls isomers series. <i>Journal of Chemical Thermodynamics</i> , 2013 , 63, 78-83	2.9	6
45	Thermochemical studies of three bis(O-alkyl-N-benzoylthiocarbamate)nickel(II) complexes. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 627-631	2.9	6

44	Effect of Confined Hindrance in Polyphenylbenzenes. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 2475-2488	4.8	5
43	Self-association of oligothiophenes in isotropic systems. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14761-70	3.6	5
42	Phase transition thermodynamics of bisphenols. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 9712-9	2.8	5
41	Nickel(II) complexes of N [?] -(2-thienylcarbonyl)thiocarbamates O-alkyl-esters: Structural and spectroscopic characterization and evaluation of their microbiological activities. <i>Journal of Molecular Structure</i> , 2011 , 990, 86-94	3.4	5
40	Energetic and structural study of diphenylpyridine isomers. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 11015-27	2.8	5
39	Thermochemical studies of five crystalline bis(O-alkyl-N-thenoylthiocarbamato)nickel(II) complexes. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 684-688	2.9	5
38	Standard molar enthalpies of formation of zinc(II) β -diketonates and monothio- β -diketonates. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1318-1324	2.9	5
37	Standard molar enthalpies of formation of two crystalline bis[N-(diethylaminothiocarbonyl)benzamidinato]nickel(II) complexes. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 753-757	2.9	5
36	Binary Mixtures of Ionic Liquids in Aqueous Solution: Towards an Understanding of their Salting-In/Salting-Out Phenomena. <i>Journal of Solution Chemistry</i> , 2019 , 48, 983-991	1.8	5
35	Energetic and Structural Insights into the Molecular and Supramolecular Properties of Rubrene. <i>ChemistrySelect</i> , 2017 , 2, 1759-1769	1.8	4
34	Evaluation of the solvent structural effect upon the vapor-liquid equilibrium of [C4C1im][Cl] ionic liquids in alcohols. <i>Fluid Phase Equilibria</i> , 2017 , 440, 36-44	2.5	4
33	The impact of phenyl-phenyl linkage on the thermodynamic, optical and morphological behavior of carbazol derivatives.. <i>RSC Advances</i> , 2020 , 10, 11766-11776	3.7	4
32	Volatility Study of Amino Acids by Knudsen Effusion with QCM Mass Loss Detection. <i>ChemPhysChem</i> , 2020 , 21, 938-951	3.2	4
31	Synthesis of Pyridyl and N-Methylpyridinium Analogues of Rosamines: Relevance of Solvent and Charge on Their Photophysical Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 15073-15082	4.8	4
30	Elucidating the role of aromatic interactions in rotational barriers involving aromatic systems. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10422-6	4.2	4
29	Energetics of lead(II), cadmium(II) and zinc(II) complexes with amino acids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 475-482	4.1	4
28	Enthalpies of combustion of two bis(N,N-diethylthioureas). <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 279-283	2.9	4
27	Fluorination effect in the volatility of imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2019 , 282, 385-391	6	3

26	Effect of Self-Association on the Phase Stability of Triphenylamine Derivatives. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 6676-82	2.8	3
25	Morphology, Structure, and Dynamics of Pentacene Thin Films and Their Nanocomposites with [C C im][NTf] and [C C im][OTF] Ionic Liquids. <i>ChemPhysChem</i> , 2020 , 21, 1814-1825	3.2	3
24	Synthesis, structural characterization and conformational aspects of thenoylthiocarbamic-O-alkylesters. <i>Journal of Molecular Structure</i> , 2009 , 936, 37-45	3.4	3
23	3,3'-Bithio-phenene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o916		3
22	Bis[N,N-diisobutyl-N?(2-thienylcarbonyl)thioureato]nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m953-m955		3
21	On the Aromatic Stabilization of Fused Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 3696-3709	2.8	3
20	Reprint of: Energetics of 2- and 3-coumaranone isomers: A combined calorimetric and computational study. <i>Journal of Chemical Thermodynamics</i> , 2014 , 73, 283-289	2.9	2
19	Enthalpies of solution, limiting solubilities, and partial molar heat capacities of n-alcohols in water and in trehalose crowded media. <i>Pure and Applied Chemistry</i> , 2014 , 86, 223-231	2.1	2
18	Bis[N,N-diisobutyl-N?(2-thienylcarbonyl)thioureato]copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m956-m958		2
17	Thermochemistry of Cu(II) and Ni(II) complexes with N,N-di-n-butyl-N?-thenoylthiourea and N,N-di-iso-butyl-N?-thenoylthiourea. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 599-606	2.9	2
16	Understanding the thermal behaviour of blends of biodiesel and diesel: Phase behaviour of binary mixtures of alkanes and FAMES. <i>Fuel</i> , 2020 , 262, 116488	7.1	2
15	Oxidative Treatment of Multi-Walled Carbon Nanotubes and its Effect on the Mechanical and Electrical Properties of Green Epoxy based Nano-Composites. <i>Procedia Structural Integrity</i> , 2019 , 17, 857-864	1	1
14	Heat Capacity and Phase Behavior of Selected Oligo(ethylene glycol)s. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2742-2749	2.8	1
13	A low-temperature polymorph of m-quinquephenyl. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012 , 68, o492-7		1
12	Structure and solidliquid phase transition thermodynamics of N-(diethylaminothiocarbonyl)benzimidazole derivatives. <i>Journal of Molecular Structure</i> , 2011 , 1004, 257-264 ^{3.4}		1
11	4-(1-Naphth-yl)benzonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o3289		1
10	Simple apparatus for the measurement of mechanical properties of solids. <i>Physics Teacher</i> , 2011 , 49, 117-118	0.4	1
9	4,4'-(1,8-Naphthalene-1,8-di-yl)dibenzonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 67, o66		1

- 8 A second monoclinic polymorph of N-(diethyl-amino-thio-carbon-yl)-N'-phenyl-benzamidine. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o962-3 1
- 7 2,4,5-Tris(biphenyl-2-yl)-1-bromo-benzene. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o2090-1 1
- 6 (E)-1-Phenyl-butan-2-one (2,4-dinitro-phen-yl)hydrazone. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2729 1
- 5 4-(1-Naphth-yl)benzoic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o3037 0
- 4 1,3-Diphenyl-propan-2-one (2,4-dinitro-phen-yl)hydrazone. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o565
- 3 N,N-Diisobutyl-N'-(2-thienylcarbonyl)thiourea. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o1158-o1159
- 2 Bis[O-propylN'-(2-thienylcarbonyl)thiocarbamato]nickel(II). *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, m2588-m2588
- 1 2,6-Diphenylpyridine. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o4833-o4833