

Philippe Espeau

List of Publications by Year in descending order

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67
papers

1,133
citations

361413

20
h-index

454955

30
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72
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72
docs citations

72
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism of paracetamol: Relative stabilities of the monoclinic and orthorhombic phases inferred from topological pressure–temperature and temperature–volume phase diagrams. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 524-539.	3.3	111
2	State of the Art of Pharmaceutical Solid Forms: from Crystal Property Issues to Nanocrystals Formulation. <i>ChemMedChem</i> , 2019, 14, 8-23.	3.2	56
3	Insights into the crystal structure, polymorphism and thermal behavior of menthol optical isomers and racemates. <i>CrystEngComm</i> , 2012, 14, 7055.	2.6	54
4	Lidocaine/l-Menthol Binary System: Cocrystallization versus Solid-State Immiscibility. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5420-5426.	2.6	48
5	Mise au point sur le comportement Énergétique et cristallographique des n-alcane. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1996, 93, 1217-1238.	0.2	41
6	Overall Monotropic Behavior of a Metastable Phase of Biclotymol, 2,2-Methylenebis(4-Chloro-3-Methyl-Isopropylphenol), Inferred From Experimental and Topological Construction of the Related P-T State Diagram. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3927-3941.	3.3	37
7	Polymorphism of Progesterone: Relative Stabilities of the Orthorhombic Phases I and II Inferred from Topological and Experimental Pressure-Temperature Phase Diagrams. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1657-1670.	3.3	37
8	Thermodynamic properties of n-alkanes in porous graphite. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3197-3200.	1.7	36
9	Mixed crystals of n-alkane pairs A global view of the thermodynamic melting properties. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3343-3346.	1.7	32
10	Thermodynamic studies of mixtures for topical anesthesia: Lidocaine–salol binary phase diagram. <i>Thermochimica Acta</i> , 2010, 497, 124-128.	2.7	29
11	X-Ray diffraction from layers of n-alkanes adsorbed on graphite. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3201-3208.	1.7	27
12	Polymorph formation from solvate desolvation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 337-339.	3.6	27
13	Vitreous State Characterization of Pharmaceutical Compounds Degrading upon Melting by Using Fast Scanning Calorimetry. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6848-6851.	2.6	26
14	New menthol polymorphs identified by flash scanning calorimetry. <i>CrystEngComm</i> , 2015, 17, 5357-5359.	2.6	25
15	Thermal cycling of molecular alloys and eutectics containing alkanes for energy storage. <i>Materials Research Bulletin</i> , 1996, 31, 1219-1232.	5.2	24
16	Solid-State Studies of C60Solvates Formed in the C60–BrCCl3 System. <i>Chemistry of Materials</i> , 2003, 15, 288-291.	6.7	23
17	Temperature and composition-dependent properties of the two-component system d- and l-camphor at ordinary pressure. <i>Thermochimica Acta</i> , 2010, 511, 43-50.	2.7	23
18	Solid state studies of the C60. 2(CH3)CCl3 solvate. <i>Carbon</i> , 2005, 43, 417-424.	10.3	21

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19	The role of stearic acid in ascorbic acid protection from degradation: a heterogeneous system for homogeneous thermodynamic data. <i>New Journal of Chemistry</i> , 2013, 37, 761.	2.8	21
20	Solid State Studies on Synthetic and Natural Crystalline Arsenic(III) Sulfide, As ₂ S ₃ (Orpiment): A New Data for an Old Compound. <i>Chemistry of Materials</i> , 2006, 18, 3821-3826.	6.7	20
21	Topological and Experimental Approach to the Pressure-Temperature-Composition Phase Diagram of the Binary Enantiomer System <i>d</i> - and <i>l</i> -Camphor. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1672-1678.	2.6	19
22	Physicochemical stability of solid dispersions of enantiomeric or racemic ibuprofen in stearic acid. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 5235-5243.	3.3	19
23	Thermodynamic studies of solids with non-negligible vapour pressure: T ^v and p ^T diagrams of the dimorphism of adamantane. <i>Thermochimica Acta</i> , 2001, 376, 147-154.	2.7	17
24	Membrane re-arrangements and rippled phase stabilisation by the cell penetrating peptide penetratin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2584-2591.	2.6	16
25	A simple method to determine the specific volumes of liquids and melts as a function of the temperature. <i>Thermochimica Acta</i> , 2006, 445, 32-35.	2.7	15
26	Determination of quinacrine dihydrochloride dihydrate stability and characterization of its degradants. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3223-3232.	3.3	15
27	Influence of particle size on the melting characteristics of organic compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 783-787.	3.6	15
28	<i>n</i> -Octane + <i>n</i> -Decane: a Eutectic System in the <i>n</i> -Alkane Family; Experimental Phase Diagram and Thermodynamic Analysis. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 269, 165-173.	0.3	14
29	Crystallographic and Pressure-Temperature State Diagram Approach for the Phase Behavior and Polymorphism Study of Glutaric Acid. <i>Crystal Growth and Design</i> , 2013, 13, 723-730.	3.0	14
30	New Melting Data of the Two Polymorphs of Prednisolone. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10839-10843.	2.6	14
31	The RI-liquid equilibrium in the ternary system <i>n</i> -pentadecane + <i>n</i> -hexadecane + <i>n</i> -heptadecane. Calculation of liquidus surface and thermal windows comparison with experimental data. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 1997, 21, 401-410.	1.6	13
32	Preparation and Evaluation of Multiple Nanoemulsions Containing Gadolinium (III) Chelate as a Potential Magnetic Resonance Imaging (MRI) Contrast Agent. <i>Pharmaceutical Research</i> , 2015, 32, 2983-2994.	3.5	13
33	Phase Equilibria in the C ₆₀ + Ferrocene System and Solid-State Studies of the C ₆₀ ·2Ferrocene Solvate. <i>Chemistry of Materials</i> , 2002, 14, 321-326.	6.7	12
34	The structure of <i>n</i> -alkane binary mixtures adsorbed on graphite. <i>Applied Surface Science</i> , 2005, 252, 1350-1359.	6.1	11
35	Liquid-Liquid Miscibility Gaps and Hydrate Formation in Drug-Water Binary Systems: Pressure-Temperature Phase Diagram of Lidocaine and Pressure-Temperature-Composition Phase Diagram of the Lidocaine-Water System. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 2756-2765.	3.3	11
36	Crystal structure determination and thermal behavior upon melting of <i>p</i> -synephrine. <i>Thermochimica Acta</i> , 2016, 632, 18-22.	2.7	11

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37	The phase transitions of n-alkanes in mesoscopic pores of graphite. <i>Carbon</i> , 2005, 43, 1885-1890.	10.3	10
38	Solid-state studies of C60 solvates formed with chlorodibromomethane. <i>Chemical Physics</i> , 2007, 342, 78-84.	1.9	10
39	Incidence of the melting-degradation process of vitamin C on the determination of the phase diagram with acetaminophen enhanced by high performance liquid chromatography tools. <i>New Journal of Chemistry</i> , 2015, 39, 1938-1942.	2.8	10
40	Thermal behavior of orthorhombic polymorphs I and II of spironolactone. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 341-342.	3.6	9
41	Incidence of chirality on the properties of mixtures containing an amide type anesthetic compound. <i>Thermochimica Acta</i> , 2012, 539, 39-43.	2.7	9
42	Thermoadjustable molecular alloys for energy storage and thermal protection: fundamental aspects and applications. <i>High Temperatures - High Pressures</i> , 1997, 29, 385-388.	0.3	9
43	Polymorphism of Even-Numbered Carbon Atom <i>n</i> -Alkanes Revisited through Topological P - T Diagrams. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2063-2069.	2.6	8
44	Comprehensive determination of the solid state stability of bethanechol chloride active pharmaceutical ingredient using combined analytical tools. <i>CrystEngComm</i> , 2013, 15, 7970.	2.6	8
45	Kinetics of the (solid + solid) transformations for the piracetam trimorphic system: Incidence on the construction of the p - T equilibrium phase diagram. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 167-172.	2.0	8
46	Solid state studies on C60 solvates formed with n-alkanes: orthorhombic C60 \cdot 2/3 n-nonane. <i>Chemical Physics Letters</i> , 2004, 399, 401-405.	2.6	7
47	Novel Perfluorinated Triblock Amphiphilic Copolymers for Lipid-Shelled Microbubble Stabilization. <i>Langmuir</i> , 2018, 34, 9744-9753.	3.5	7
48	Solid state studies on C60 solvates formed with n-alkanes: orthorhombic C60 \cdot 2/3 n-nonane. <i>Chemical Physics Letters</i> , 2004, 399, 401-405.	2.6	6
49	Density of molten sulfur in the 334 \leq 508K range. <i>Thermochimica Acta</i> , 2007, 459, 127-129.	2.7	6
50	Interpretation of the global heat of melting in eutectic binary systems. <i>Thermochimica Acta</i> , 2018, 664, 91-99.	2.7	6
51	Spirokerneline: A Macrocyclic Spirolactone from <i>Kermadecia elliptica</i> Brongn. & Gris. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5819-5822.	2.4	6
52	Revised phase diagrams based on racemic ibuprofen with thymol and l-menthol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 3087-3091.	3.6	6
53	Experimental binary phase diagram of pentadecane-heneicosane. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1995, 92, 747-757.	0.2	6
54	Excess properties of the salol/lidocaine eutectic liquid mixture: Thermodynamic and spectroscopic investigations. <i>Fluid Phase Equilibria</i> , 2012, 315, 107-112.	2.5	5

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55	Phase Behavior and Relative Stability of Malonamide Polymorphs. Journal of Physical Chemistry B, 2014, 118, 1925-1931.	2.6	5
56	Characterization of the heat behavior of amiodarone hydrochloride. Thermochimica Acta, 2022, 708, 179121.	2.7	5
57	Binary Phase Diagram with Non Isomorphous <i>n</i> -Alkanes: C ₁₂ H ₂₆ & C ₁₅ H ₃₂ . Implication of the Rotator Phase R, in the Melting Behaviour of Odd - Even and Even & Odd Phase Diagrams. Molecular Crystals and Liquid Crystals, 1998, 323, 145-153.	0.3	4
58	Solid-State Characterization of Enantiomeric and Racemic Hydrated and Anhydrous Zinc-Pidolate Complexes. Crystal Growth and Design, 2011, 11, 3418-3423.	3.0	3
59	Racemic compound and conglomerate of anhydrous sibutramine hydrochloride: a rare case of relative stability. CrystEngComm, 2016, 18, 6903-6907.	2.6	3
60	<i>p</i> -Synephrine enantiomers: binary phase diagram, crystal structure and kinetic stability of a metastable conglomerate monitored by nonlinear optics. CrystEngComm, 2020, 22, 6071-6080.	2.6	3
61	Adrenaline system: another rare case of conglomerate with partial solid solutions. Journal of Thermal Analysis and Calorimetry, 2019, 138, 997-1002.	3.6	2
62	Characterization of Unknown Solid States of the Drug Substance Quinacrine Dihydrochloride: Two Anhydrous Forms and a Tetrahydrate Revealed. Crystal Growth and Design, 2020, 20, 5261-5268.	3.0	2
63	Scalemic mixtures preparation for optimized composition of ibuprofen solid dosage forms. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 169, 91-96.	4.3	2
64	Le syst�me eau-pyroglytamate de zinc : d�shydratation et r�hydratation des compos�s de coordination. European Physical Journal Special Topics, 2001, 11, Pr10-213-Pr10-216.	0.2	1
65	Thermal Analysis Tools for Physico-Chemical Characterization and Optimization of Perfluorocarbon Based Emulsions and Bubbles Formulated for Ultrasound Imaging. Colloids and Interfaces, 2022, 6, 21.	2.1	1
66	Polymorphic and pressure-induced phase transformations of malonamide system. Thermochimica Acta, 2014, 589, 19-24.	2.7	0
67	Syst�mes � tension de vapeur non n�gligeable : diagrammes T-v et p-T de l'adamantane. European Physical Journal Special Topics, 2001, 11, Pr10-207-Pr10-211.	0.2	0