Joao C Canotilho

List of Publications by Year
in descending order

46 papers	744 citations	687363 13 h-index	552781 26 g-index
47 all docs	47 docs citations	47 times ranked	963 citing authors

#	Article	IF	Citations
1	Polymorphic Cocrystals of the Antimalarial Drug Pyrimethamine: Two Case Studies. Crystal Growth and Design, 2021, 21, 3699-3713.	3.0	13
2	Dihydrofolate Reductase Inhibitors: The Pharmacophore as a Guide for Co-Crystal Screening. Molecules, 2021, 26, 6721.	3.8	2
3	Conformational Landscape and Polymorphism in 5-Acetic Acid Hydantoin. Journal of Physical Chemistry A, 2020, 124, 6303-6318.	2.5	2
4	Polymorphism of 1,3-cyclohexanediols: molecular structure and plastic crystal formation of cyclohexanediol isomers. CrystEngComm, 2019, 21, 3395-3408.	2.6	6
5	Lamotrigine: Design and synthesis of new multicomponent solid forms. European Journal of Pharmaceutical Sciences, 2019, 129, 148-162.	4.0	13
6	Crystallization from the Amorphous State of a Pharmaceutical Compound: Impact of Chirality and Chemical Purity. Crystal Growth and Design, 2017, 17, 337-346.	3.0	10
7	Levetiracetam + nonsteroidal anti-inflammatory drug binary systems: A contribution to the development of new solid dosage forms. International Journal of Pharmaceutics, 2017, 533, 1-13.	5.2	13
8	5-Methylhydantoin: From Isolated Molecules in a Low-Temperature Argon Matrix to Solid State Polymorphs Characterization. Journal of Physical Chemistry A, 2017, 121, 5267-5279.	2.5	12
9	Binary phase diagrams of pyridinecarboxamide isomers. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1727-1733.	3.6	9
10	Co-crystals of diflunisal and isomeric pyridinecarboxamides â€“ a thermodynamics and crystal engineering contribution. CrystEngComm, 2016, 18, 4749-4759.	2.6	12
11	Synthesis of low melting point porphyrins: A quest for new materials. Journal of Porphyrins and Phthalocyanines, 2016, 20, 843-854.	0.8	9
12	Structural evidence of polymorphism and conformational isomorphism of a somewhat flexible molecule: m-anisic acid. Journal of Thermal Analysis and Calorimetry, 2015, 120, 667-677.	3.6	14
13	Solventless metallation of low melting porphyrins synthesized by the water/microwave method. RSC Advances, 2015, 5, 64902-64910.	3.6	18
14	Mechanisms of Reversible Phase Transitions in Molecular Crystals: Case of Ciclopirox. Chemistry of Materials, 2015, 27, 6360-6373.	6.7	29
15	Molecular structure and polymorphism of a cyclohexanediol: trans-1,4-cyclohexanedimethanol. CrystEngComm, 2014, 16, 10977-10986.	2.6	6
16	A thermodynamic based approach on the investigation of a diflunisal pharmaceutical co-crystal with improved intrinsic dissolution rate. International Journal of Pharmaceutics, 2014, 466, 68-75.	5.2	36
17	Polymorphism of cis-1,4-cyclohexanediol, a new plastic crystal former. Considerations on isomeric cyclohexanediols plastic crystal forming abilities. Journal of Molecular Structure, 2014, 1078, 10-19.	3.6	12
18	Molecular Structure, Infrared Spectra, Photochemistry, and Thermal Properties of 1-Methylhydantoin. Journal of Physical Chemistry A, 2014, 118, 5994-6008.	2.5	13

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19	Polymorphism and melt crystallisation of racemic betaxolol, a Î²-adrenergic antagonist drug. Journal of Thermal Analysis and Calorimetry, 2013, 111, 2171-2178.	3.6	12
20	Resolved structures of two picolinamide polymorphs. Investigation of the dimorphic system behaviour under conditions relevant to co-crystal synthesis. CrystEngComm, 2012, 14, 8649.	2.6	20
21	An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. Green Chemistry, 2012, 14, 1666.	9.0	50
22	Thermoanalytical study of NÎ±-benzoyl-l-argininate ethyl ester chloride. Thermochimica Acta, 2012, 527, 83-90.	2.7	6
23	Naproxen Cocrystals with Pyridinecarboxamide Isomers. Crystal Growth and Design, 2011, 11, 5396-5404.	3.0	62
24	Pyrazinamide-Diflunisal: A New Dual-Drug Co-Crystal. Crystal Growth and Design, 2011, 11, 4780-4788.	3.0	80
25	A new pharmaceutical co-crystal: (S)-naproxen-isonocotinamide. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C569-C570.	0.3	0
26	Thermal analysis and crystallization from melts. Journal of Thermal Analysis and Calorimetry, 2010, 100, 423-429.	3.6	5
27	The structure of betaxolol studied by infrared spectroscopy and natural bond orbital theory. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 395-400.	3.9	5
28	A New Insight into Pyrazinamide Polymorphic Forms and their Thermodynamic Relationships. Crystal Growth and Design, 2010, 10, 274-282.	3.0	86
29	Polymorphism of trans-1,4-Cyclohexanediol: Conformational Isomorphism. Crystal Growth and Design, 2010, 10, 1194-1200.	3.0	19
30	A study of the structure of the pindolol based on infrared spectroscopy and natural bond orbital theory. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 819-826.	3.9	13
31	The structure of betaxolol from single crystal X-ray diffraction and natural bond orbital analysis. Journal of Molecular Structure, 2008, 891, 437-442.	3.6	10
32	Conformational Isomorphism of Organic Crystals:â€‰ Racemic and Homochiral Atenolol. Crystal Growth and Design, 2007, 7, 496-500.	3.0	50
33	Infrared spectroscopy of racemic and enantiomeric forms of atenolol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1194-1200.	3.9	12
34	Tribute to Professor JosÃ© SimÃµes Redinha on the occasion of his 80th birthday. Journal of Chemical Thermodynamics, 2007, 39, 1336-1337.	2.0	0
35	Enthalpy of sublimation/vaporization of trans-cyclohexyl-1,4-diamine and cis-cyclohexyl-1,2-diamine. Journal of Chemical Thermodynamics, 2007, 39, 1354-1356.	2.0	6
36	Solvation enthalpy and the thermodynamics of hydration of trans-cyclohexyl-1,4-diamine and cis-cyclohexyl-1,2-diamine. Journal of Chemical Thermodynamics, 2007, 39, 1357-1362.	2.0	7

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37	Infrared study of the acidic and basic forms of betaxolol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 279-286.	3.9	11
38	Effect of solvent and temperature on solution-crystallized terfenadine. Thermochimica Acta, 2004, 411, 53-60.	2.7	2
39	Infrared spectroscopy and the characterization of terfenadine crystallized from solvents. Journal of Thermal Analysis and Calorimetry, 2003, 73, 763-774.	3.6	0
40	Molecular dynamics simulation of the terfenadine monomer and dimer, including solvent effects. Molecular Physics, 2003, 101, 871-879.	1.7	1
41	Study of Polymorphism From DSC Melting Curves; Polymorphs of Terfenadine. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 68, 397-412.	1.4	27
42	Enthalpy of solution of terfenadine in ethanol/water mixtures. Thermochimica Acta, 2000, 344, 9-13.	2.7	5
43	Enthalpy of Solution of Terfenadine in Different Solvents. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1999, 57, 87-93.	1.4	3
44	Melting Curves of Terfenadine Crystallized from Different Solvents. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1998, 54, 139-149.	1.4	9
45	Calorimetric study of polymorphic forms of terfenadine. Thermochimica Acta, 1997, 299, 1-6.	2.7	12
46	Etude thermoanalytique et lyodisponibilite de dispersions solides du tolbutamide. Journal of Theoretical Biology, 1994, 41, 1253-1261.	1.7	2