

# Joao C Canotilho

## List of Publications by Year in descending order

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46  
papers

744  
citations

687363

13  
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47  
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47  
docs citations

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times ranked

963  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Insight into Pyrazinamide Polymorphic Forms and their Thermodynamic Relationships. <i>Crystal Growth and Design</i> , 2010, 10, 274-282.	3.0	86
2	Pyrazinamide-Diflunisal: A New Dual-Drug Co-Crystal. <i>Crystal Growth and Design</i> , 2011, 11, 4780-4788.	3.0	80
3	Naproxen Cocrystals with Pyridinecarboxamide Isomers. <i>Crystal Growth and Design</i> , 2011, 11, 5396-5404.	3.0	62
4	Conformational Isomorphism of Organic Crystals: Racemic and Homochiral Atenolol. <i>Crystal Growth and Design</i> , 2007, 7, 496-500.	3.0	50
5	An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. <i>Green Chemistry</i> , 2012, 14, 1666.	9.0	50
6	A thermodynamic based approach on the investigation of a diflunisal pharmaceutical co-crystal with improved intrinsic dissolution rate. <i>International Journal of Pharmaceutics</i> , 2014, 466, 68-75.	5.2	36
7	Mechanisms of Reversible Phase Transitions in Molecular Crystals: Case of Ciclopirox. <i>Chemistry of Materials</i> , 2015, 27, 6360-6373.	6.7	29
8	Study of Polymorphism From DSC Melting Curves; Polymorphs of Terfenadine. <i>Magyar Árvad Kémlemezés</i> , 2002, 68, 397-412.	1.4	27
9	Resolved structures of two picolinamide polymorphs. Investigation of the dimorphic system behaviour under conditions relevant to co-crystal synthesis. <i>CrystEngComm</i> , 2012, 14, 8649.	2.6	20
10	Polymorphism of <i>trans</i> -1,4-Cyclohexanediol: Conformational Isomorphism. <i>Crystal Growth and Design</i> , 2010, 10, 1194-1200.	3.0	19
11	Solventless metallation of low melting porphyrins synthesized by the water/microwave method. <i>RSC Advances</i> , 2015, 5, 64902-64910.	3.6	18
12	Structural evidence of polymorphism and conformational isomorphism of a somewhat flexible molecule: m-anisic acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 667-677.	3.6	14
13	A study of the structure of the pindolol based on infrared spectroscopy and natural bond orbital theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 819-826.	3.9	13
14	Molecular Structure, Infrared Spectra, Photochemistry, and Thermal Properties of 1-Methylhydantoin. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5994-6008.	2.5	13
15	Levetiracetam + nonsteroidal anti-inflammatory drug binary systems: A contribution to the development of new solid dosage forms. <i>International Journal of Pharmaceutics</i> , 2017, 533, 1-13.	5.2	13
16	Lamotrigine: Design and synthesis of new multicomponent solid forms. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 129, 148-162.	4.0	13
17	Polymorphic Cocrystals of the Antimalarial Drug Pyrimethamine: Two Case Studies. <i>Crystal Growth and Design</i> , 2021, 21, 3699-3713.	3.0	13
18	Calorimetric study of polymorphic forms of terfenadine. <i>Thermochimica Acta</i> , 1997, 299, 1-6.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Infrared spectroscopy of racemic and enantiomeric forms of atenolol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1194-1200.	3.9	12
20	Polymorphism and melt crystallisation of racemic betaxolol, a $\beta_2$ -adrenergic antagonist drug. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2171-2178.	3.6	12
21	Polymorphism of cis-1,4-cyclohexanediol, a new plastic crystal former. Considerations on isomeric cyclohexanediols plastic crystal forming abilities. <i>Journal of Molecular Structure</i> , 2014, 1078, 10-19.	3.6	12
22	Co-crystals of diflunisal and isomeric pyridinecarboxamides – a thermodynamics and crystal engineering contribution. <i>CrystEngComm</i> , 2016, 18, 4749-4759.	2.6	12
23	5-Methylhydantoin: From Isolated Molecules in a Low-Temperature Argon Matrix to Solid State Polymorphs Characterization. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5267-5279.	2.5	12
24	Infrared study of the acidic and basic forms of betaxolol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 279-286.	3.9	11
25	The structure of betaxolol from single crystal X-ray diffraction and natural bond orbital analysis. <i>Journal of Molecular Structure</i> , 2008, 891, 437-442.	3.6	10
26	Crystallization from the Amorphous State of a Pharmaceutical Compound: Impact of Chirality and Chemical Purity. <i>Crystal Growth and Design</i> , 2017, 17, 337-346.	3.0	10
27	Melting Curves of Terfenadine Crystallized from Different Solvents. <i>Magyar Árvad Kémlemléve</i> , 1998, 54, 139-149.	1.4	9
28	Synthesis of low melting point porphyrins: A quest for new materials. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 843-854.	0.8	9
29	Binary phase diagrams of pyridinecarboxamide isomers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1727-1733.	3.6	9
30	Solvation enthalpy and the thermodynamics of hydration of trans-cyclohexyl-1,4-diamine and cis-cyclohexyl-1,2-diamine. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1357-1362.	2.0	7
31	Enthalpy of sublimation/vaporization of trans-cyclohexyl-1,4-diamine and cis-cyclohexyl-1,2-diamine. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1354-1356.	2.0	6
32	Thermoanalytical study of $\pm$ -benzoyl-L-argininate ethyl ester chloride. <i>Thermochimica Acta</i> , 2012, 527, 83-90.	2.7	6
33	Molecular structure and polymorphism of a cyclohexanediol: trans-1,4-cyclohexanedimethanol. <i>CrystEngComm</i> , 2014, 16, 10977-10986.	2.6	6
34	Polymorphism of 1,3-cyclohexanediols: molecular structure and plastic crystal formation of cyclohexanediol isomers. <i>CrystEngComm</i> , 2019, 21, 3395-3408.	2.6	6
35	Enthalpy of solution of terfenadine in ethanol/water mixtures. <i>Thermochimica Acta</i> , 2000, 344, 9-13.	2.7	5
36	Thermal analysis and crystallization from melts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 423-429.	3.6	5

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37	The structure of betaxolol studied by infrared spectroscopy and natural bond orbital theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 395-400.	3.9	5
38	Enthalpy of Solution of Terfenadine in Different Solvents. <i>Magyar Árvad Kémzlemények</i> , 1999, 57, 87-93.	1.4	3
39	Etude thermoanalytique et lyodisponibilite de dispersions solides du tolbutamide. <i>Journal of Theoretical Biology</i> , 1994, 41, 1253-1261.	1.7	2
40	Effect of solvent and temperature on solution-crystallized terfenadine. <i>Thermochimica Acta</i> , 2004, 411, 53-60.	2.7	2
41	Conformational Landscape and Polymorphism in 5-Acetic Acid Hydantoin. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6303-6318.	2.5	2
42	Dihydrofolate Reductase Inhibitors: The Pharmacophore as a Guide for Co-Crystal Screening. <i>Molecules</i> , 2021, 26, 6721.	3.8	2
43	Molecular dynamics simulation of the terfenadine monomer and dimer, including solvent effects. <i>Molecular Physics</i> , 2003, 101, 871-879.	1.7	1
44	Infrared spectroscopy and the characterization of terfenadine crystallized from solvents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 73, 763-774.	3.6	0
45	Tribute to Professor Jos Simões Redinha on the occasion of his 80th birthday. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1336-1337.	2.0	0
46	A new pharmaceutical co-crystal: (S)-naproxen-isonocotinamide. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C569-C570.	0.3	0