Ricardo A E Castro

List of Publications by Year
in descending order

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48 papers	820 citations	567281 15 h-index	552781 26 g-index
48 all docs	48 docs citations	48 times ranked	1040 citing authors

#	Article	IF	Citations
1	A New Insight into Pyrazinamide Polymorphic Forms and their Thermodynamic Relationships. Crystal Growth and Design, 2010, 10, 274-282.	3.0	86
2	Pyrazinamide-Diflunisal: A New Dual-Drug Co-Crystal. Crystal Growth and Design, 2011, 11, 4780-4788.	3.0	80
3	Naproxen Cocrystals with Pyridinecarboxamide Isomers. Crystal Growth and Design, 2011, 11, 5396-5404.	3.0	62
4	Conformational Isomorphism of Organic Crystals:â€‰ Racemic and Homochiral Atenolol. Crystal Growth and Design, 2007, 7, 496-500.	3.0	50
5	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
6	Thermal behavior of some antihistamines. Journal of Thermal Analysis and Calorimetry, 2013, 111, 2019-2028.	3.6	31
7	Synthesis, physicochemical and optical properties of bis-thiosemicarbazone functionalized graphene oxide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 183-188.	3.9	24
8	Structural characterization of solid trivalent metal dodecyl sulfates: from aqueous solution to lamellar superstructures. RSC Advances, 2013, 3, 1420-1433.	3.6	22
9	A combined approach using differential scanning calorimetry with polarized light thermomicroscopy in the investigation of ketoprofen and nicotinamide cocrystal. Thermochimica Acta, 2017, 651, 1-10.	2.7	22
10	Î²-Phase Formation of Poly(9,9-dioctylfluorene) Induced by Liposome Phospholipid Bilayers. Journal of Physical Chemistry B, 2011, 115, 5794-5800.	2.6	21
11	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
12	Polymorphism of trans-1,4-Cyclohexanediol: Conformational Isomorphism. Crystal Growth and Design, 2010, 10, 1194-1200.	3.0	19
13	Metoprolol: solid forms of a top selling antihypertensive. CrystEngComm, 2019, 21, 4319-4328.	2.6	16
14	Interactions between hairy rod anionic conjugated polyelectrolytes and nonionic alkyloxyethylene surfactants in aqueous solution: Observations from cloud point behaviour. Journal of Colloid and Interface Science, 2007, 315, 805-809.	9.4	15
15	Thermoanalytical study of nimesulide and their recrystallization products obtained from solutions of several alcohols. Journal of Thermal Analysis and Calorimetry, 2014, 115, 2385-2390.	3.6	15
16	At-line green synthesis monitoring of new pharmaceutical co-crystals lamivudine:theophylline polymorph I and II, quantification of polymorph I among its APIs using FT-IR spectroscopy and MCR-ALS. Journal of Pharmaceutical and Biomedical Analysis, 2019, 169, 235-244.	2.8	15
17	Phase transitions of 1,2-cyclohexanediol isomers studied by polarised light microscopy and differential thermal analysis. Thermochimica Acta, 2001, 378, 117-124.	2.7	14
18	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

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19	Studying the thermal decomposition of carvedilol by coupled TG-FTIR. Journal of Thermal Analysis and Calorimetry, 2016, 123, 2307-2312.	3.6	14
20	Physicochemical, Thermal, Crystallographic, and Morphological Properties of Biodynamic Black Rice Starch, and of Residual Fractions From Aqueous Extraction. Starch/Staerke, 2018, 70, 1700348.	2.1	14
21	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
22	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
23	Lamotrigine: Design and synthesis of new multicomponent solid forms. European Journal of Pharmaceutical Sciences, 2019, 129, 148-162.	4.0	13
24	Thermal studies, degradation kinetic, equilibrium solubility, DFT, MIR, and XRPD analyses of a new cocrystal of gemfibrozil and isonicotinamide. Journal of Thermal Analysis and Calorimetry, 2019, 136, 2049-2062.	3.6	13
25	Polymorphic Cocrystals of the Antimalarial Drug Pyrimethamine: Two Case Studies. Crystal Growth and Design, 2021, 21, 3699-3713.	3.0	13
26	Infrared spectroscopy of racemic and enantiomeric forms of atenolol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1194-1200.	3.9	12
27	Synthesis, spectroscopy, photophysics and thermal behaviour of stilbene-based triarylamines with dehydroabietic acid methyl ester moieties. New Journal of Chemistry, 2009, 33, 877.	2.8	12
28	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
29	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
30	Co-crystals of diflunisal and isomeric pyridinecarboxamides â€“ a thermodynamics and crystal engineering contribution. CrystEngComm, 2016, 18, 4749-4759.	2.6	12
31	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
32	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
33	Thermoanalytical study of sweetener myo-inositol: Î± and Î² polymorphs. Food Chemistry, 2017, 237, 1149-1154.	8.2	9
34	Binary phase diagrams of pyridinecarboxamide isomers. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1727-1733.	3.6	9
35	Investigation of thermal degradation products of mebendazole by thermal and spectroscopic analysis. Journal of Analytical and Applied Pyrolysis, 2018, 135, 76-84.	5.5	9
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	Double-tailed long chain BODIPYs - Synthesis, characterization and preliminary studies on their use as lipid fluorescence probes. Journal of Molecular Structure, 2017, 1146, 62-69.	3.6	7
38	Molecular structure and polymorphism of a cyclohexanediol: trans-1,4-cyclohexanedimethanol. CrystEngComm, 2014, 16, 10977-10986.	2.6	6
39	Nanostructuring of the conjugated polyelectrolyte poly[9,9-bis(4-sulfonylbutoxyphenyl)fluorene-2,7-diyl-2,2â€²-bithiophene] in liquid crystalline C12E4 in bulk water and aligned thin films. Soft Matter, 2014, 10, 3103.	2.7	6
40	Polymorphism of 1,3-cyclohexanediols: molecular structure and plastic crystal formation of cyclohexanediol isomers. CrystEngComm, 2019, 21, 3395-3408.	2.6	6
41	Thermal analysis and crystallization from melts. Journal of Thermal Analysis and Calorimetry, 2010, 100, 423-429.	3.6	5
42	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
43	Polymorphism of gemfibrozil: Investigation by thermal and spectroscopic methods. Thermochimica Acta, 2019, 675, 113-118.	2.7	5
44	At-line monitoring of salification process of the antiretroviral lamivudine-saccharinate salt using FT-MIR spectroscopy with multivariate curve resolution. Vibrational Spectroscopy, 2020, 106, 102992.	2.2	5
45	Dihydrofolate Reductase Inhibitors: The Pharmacophore as a Guide for Co-Crystal Screening. Molecules, 2021, 26, 6721.	3.8	2
46	Synthesis and polymorphism evaluation of the 3,5-bis(decyloxy)benzaldehyde. Journal of Thermal Analysis and Calorimetry, 2014, 117, 1375-1383.	3.6	1
47	Pharmaceutical nanococrystal synthesis: a novel grinding approcah. CrystEngComm, 0, , .	2.6	1
48	Bioremediation Using Microalgae and Circular Economy Approach: A Case Study. , 0, , .		1