

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	Polymorphic Cocrystals of the Antimalarial Drug Pyrimethamine: Two Case Studies. <i>Crystal Growth and Design</i> , 2021, 21, 3699-3713.	3.0	13
2	Dihydrofolate Reductase Inhibitors: The Pharmacophore as a Guide for Co-Crystal Screening. <i>Molecules</i> , 2021, 26, 6721.	3.8	2
3	At-line monitoring of salification process of the antiretroviral lamivudine-saccharinate salt using FT-MIR spectroscopy with multivariate curve resolution. <i>Vibrational Spectroscopy</i> , 2020, 106, 102992.	2.2	5
4	Metoprolol: solid forms of a top selling antihypertensive. <i>CrystEngComm</i> , 2019, 21, 4319-4328.	2.6	16
5	Polymorphism of gemfibrozil: Investigation by thermal and spectroscopic methods. <i>Thermochimica Acta</i> , 2019, 675, 113-118.	2.7	5
6	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 235-244.	2.8	15
7	Polymorphism of 1,3-cyclohexanediols: molecular structure and plastic crystal formation of cyclohexanediol isomers. <i>CrystEngComm</i> , 2019, 21, 3395-3408.	2.6	6
8	Lamotrigine: Design and synthesis of new multicomponent solid forms. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 129, 148-162.	4.0	13
9	Thermal studies, degradation kinetic, equilibrium solubility, DFT, MIR, and XRPD analyses of a new cocrystal of gemfibrozil and isonicotinamide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2049-2062.	3.6	13
10	Physicochemical, Thermal, Crystallographic, and Morphological Properties of Biodynamic Black Rice Starch, and of Residual Fractions From Aqueous Extraction. <i>Starch/Staerke</i> , 2018, 70, 1700348.	2.1	14
11	Synthesis, physicochemical and optical properties of bis-thiosemicarbazone functionalized graphene oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 183-188.	3.9	24
12	Investigation of thermal degradation products of mebendazole by thermal and spectroscopic analysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 76-84.	5.5	9
13	A combined approach using differential scanning calorimetry with polarized light thermomicroscopy in the investigation of ketoprofen and nicotinamide cocrystal. <i>Thermochimica Acta</i> , 2017, 651, 1-10.	2.7	22
14	Double-tailed long chain BODIPYs - Synthesis, characterization and preliminary studies on their use as lipid fluorescence probes. <i>Journal of Molecular Structure</i> , 2017, 1146, 62-69.	3.6	7
15	Thermoanalytical study of sweetener myo-inositol: $\hat{1}\pm$ and $\hat{1}^2$ polymorphs. <i>Food Chemistry</i> , 2017, 237, 1149-1154.	8.2	9
16	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
17	Binary phase diagrams of pyridinecarboxamide isomers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1727-1733.	3.6	9
18	Co-crystals of diflunisal and isomeric pyridinecarboxamides – a thermodynamics and crystal engineering contribution. <i>CrystEngComm</i> , 2016, 18, 4749-4759.	2.6	12

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19	Studying the thermal decomposition of carvedilol by coupled TG-FTIR. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2307-2312.	3.6	14
20	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
21	Molecular structure and polymorphism of a cyclohexanediol: trans-1,4-cyclohexanedimethanol. <i>CrystEngComm</i> , 2014, 16, 10977-10986.	2.6	6
22	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
23	Thermoanalytical study of nimesulide and their recrystallization products obtained from solutions of several alcohols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2385-2390.	3.6	15
24	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
25	Nanostructuring of the conjugated polyelectrolyte poly[9,9-bis(4-sulfonylbutoxyphenyl)fluorene-2,7-diyl-2,2'-bithiophene] in liquid crystalline C12E4 in bulk water and aligned thin films. <i>Soft Matter</i> , 2014, 10, 3103.	2.7	6
26	Synthesis and polymorphism evaluation of the 3,5-bis(decyloxy)benzaldehyde. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 1375-1383.	3.6	1
27	Thermal behavior of some antihistamines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2019-2028.	3.6	31
28	Structural characterization of solid trivalent metal dodecyl sulfates: from aqueous solution to lamellar superstructures. <i>RSC Advances</i> , 2013, 3, 1420-1433.	3.6	22
29	Polymorphism and melt crystallisation of racemic betaxolol, a β_2 -adrenergic antagonist drug. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2171-2178.	3.6	12
30	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
31	Naproxen Cocrystals with Pyridinecarboxamide Isomers. <i>Crystal Growth and Design</i> , 2011, 11, 5396-5404.	3.0	62
32	β_2 -Phase Formation of Poly(9,9-dioctylfluorene) Induced by Liposome Phospholipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5794-5800.	2.6	21
33	Pyrazinamide-Diflunisal: A New Dual-Drug Co-Crystal. <i>Crystal Growth and Design</i> , 2011, 11, 4780-4788.	3.0	80
34	Thermal analysis and crystallization from melts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 423-429.	3.6	5
35	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
36	A New Insight into Pyrazinamide Polymorphic Forms and their Thermodynamic Relationships. <i>Crystal Growth and Design</i> , 2010, 10, 274-282.	3.0	86

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37	Polymorphism of <i>trans</i> -1,4-Cyclohexanediol: Conformational Isomorphism. <i>Crystal Growth and Design</i> , 2010, 10, 1194-1200.	3.0	19
38	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
39	Synthesis, spectroscopy, photophysics and thermal behaviour of stilbene-based triarylamines with dehydroabietic acid methyl ester moieties. <i>New Journal of Chemistry</i> , 2009, 33, 877.	2.8	12
40	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
41	Conformational Isomorphism of Organic Crystals: Racemic and Homochiral Atenolol. <i>Crystal Growth and Design</i> , 2007, 7, 496-500.	3.0	50
42	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
43	Interactions between hairy rod anionic conjugated polyelectrolytes and nonionic alkyloxyethylene surfactants in aqueous solution: Observations from cloud point behaviour. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 805-809.	9.4	15
44	Solvation enthalpy and the thermodynamics of hydration of <i>trans</i> -cyclohexyl-1,4-diamine and <i>cis</i> -cyclohexyl-1,2-diamine. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1357-1362.	2.0	7
45	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
46	Phase transitions of 1,2-cyclohexanediol isomers studied by polarised light microscopy and differential thermal analysis. <i>Thermochimica Acta</i> , 2001, 378, 117-124.	2.7	14
47	Pharmaceutical nanococrystal synthesis: a novel grinding approach. <i>CrystEngComm</i> , 0, , .	2.6	1
48	Bioremediation Using Microalgae and Circular Economy Approach: A Case Study. , 0, , .		1