Rafael Barbas

List of Publications by Year
in descending order

41	916	567144 15	454834 30
papers	citations	h-index	g-index

41	41	41	1216
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Solid State Landscape of the Sildenafil Drug. Journal of Pharmaceutical Sciences, 2022, 111, 1104-1109.	1.6	6
2	Synthesis and Characterization of a New Norfloxacin/Resorcinol Cocrystal with Enhanced Solubility and Dissolution Profile. Pharmaceutics, 2022, 14, 49.	2.0	16
3	Polymorphism in the 1/1 Pterostilbene/Picolinic Acid Cocrystal. Crystal Growth and Design, 2022, 22, 590-597.	1.4	10
4	Revision of the Crystal Structure of the Orthorhombic Polymorph of Oxyma: On the Importance of Ï€â€“Hole Interactions and Their Interplay with Hâ€“Bonds. Crystals, 2022, 12, 823.	1.0	1
5	A New and Highly Stable Cocrystal of Vitamin D3 for Use in Enhanced Food Supplements. Crystal Growth and Design, 2021, 21, 1418-1423.	1.4	11
6	A Novel, Extremely Bioavailable Cocrystal of Pterostilbene. Crystal Growth and Design, 2021, 21, 2315-2323.	1.4	22
7	Novel Polymorphic Cocrystals of the Non-Steroidal Anti-Inflammatory Drug Niflumic Acid: Expanding the Pharmaceutical Landscape. Pharmaceutics, 2021, 13, 2140.	2.0	9
8	New Cocrystal of Ubiquinol with High Stability to Oxidation. Crystal Growth and Design, 2020, 20, 5583-5588.	1.4	16
9	DFT Analysis of Uncommon Ï€Â·Â·Â·H-Bond Array Interaction in a New Pterostilbene/Theophylline Cocrystal. Crystal Growth and Design, 2020, 20, 6691-6698.	1.4	19
10	Sildenafilâ€“Resorcinol Cocrystal: XRPD Structure and DFT Calculations. Crystals, 2020, 10, 1126.	1.0	15
11	Crystal engineering of nutraceutical phytosterols: new cocrystal solid solutions. CrystEngComm, 2020, 22, 4210-4214.	1.3	4
12	Morphotropism and â€œQuasi-Isostructuralityâ€•in the Three High Zâ€² Concomitant Polymorphs of Efinaconazole. Crystal Growth and Design, 2020, 20, 4238-4242.	1.4	11
13	A late appearing polymorph of nutraceutical pterostilbene. CrystEngComm, 2020, 22, 4680-4684.	1.3	10
14	Potentiometric CheqSol and standardized shake-flask solubility methods are complimentary tools in physicochemical profiling. European Journal of Pharmaceutical Sciences, 2020, 148, 105305.	1.9	2
15	H-Bonded anionâ€“anion complexes in fentanyl citrate polymorphs and solvates. Chemical Communications, 2019, 55, 115-118.	2.2	26
16	Hydrogen Bond Polarization Overcomes Unfavorable Packing in the Most Stable High Zâ€² Polymorph of Pterostilbene. Crystal Growth and Design, 2019, 19, 2552-2556.	1.4	10
17	Derisking Development by a Cocrystallization Screen of a Novel Selective Inhaled JAK-STAT inhibitor. Crystal Growth and Design, 2019, 19, 403-414.	1.4	2
18	Property prediction and pharmacokinetic evaluation of mixed stoichiometry cocrystals of zafirlukast, a drug delivery case study. CrystEngComm, 2018, 20, 1346-1351.	1.3	6

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19	Assembling the Puzzle of Apixaban Solid Forms. Molecular Pharmaceutics, 2018, 15, 1909-1916.	2.3	3
20	Combined Virtual/Experimental Multicomponent Solid Forms Screening of Sildenafil: New Salts, Cocrystals, and Hybrid Saltâ€“Cocrystals. Crystal Growth and Design, 2018, 18, 7618-7627.	1.4	35
21	Hydrogen bonding versus Ï€-interactions: their key competition in sildenafil solvates. CrystEngComm, 2018, 20, 4526-4530.	1.3	9
22	Polymorphism of Sildenafil: A New Metastable Desolvate. Crystal Growth and Design, 2018, 18, 3740-3746.	1.4	17
23	Solubility-pH profiles of a free base and its salt: sibutramine as a case study. ADMET and DMPK, 2017, 5, 253-256.	1.1	2
24	The Ca2+â€“EDTA chelation as standard reaction to validate Isothermal Titration Calorimeter measurements (ITC). Talanta, 2016, 154, 354-359.	2.9	22
25	Polymorphism of Cocrystals: The Promiscuous Behavior of Agomelatine. Crystal Growth and Design, 2016, 16, 1063-1070.	1.4	38
26	Two New Polymorphic Cocrystals of Zafirlukast: Preparation, Crystal Structure, and Stability Relations. Crystal Growth and Design, 2015, 15, 4162-4169.	1.4	9
27	Expanding the Crystal Form Landscape of the Antiviral Drug Adefovir Dipivoxil. Crystal Growth and Design, 2015, 15, 475-484.	1.4	9
28	Water wires in the nanoporous form II of carbamazepine: a single-crystal X-ray diffraction analysis. CrystEngComm, 2013, 15, 845-847.	1.3	12
29	A cocrystal is the key intermediates for the production of a new polymorph of Vorinostat. CrystEngComm, 2012, 14, 362-365.	1.3	10
30	Cooperative induction in double H-bonding donor/acceptor compounds: Chains vs. ribbons. CrystEngComm, 2012, 14, 5745.	1.3	22
31	Cooperativity in Solid-State Squaramides. Crystal Growth and Design, 2011, 11, 3725-3730.	1.4	17
32	Revisiting the Solid State of Norfloxacin. Crystal Growth and Design, 2010, 10, 2948-2953.	1.4	18
33	Oxyma: An Efficient Additive for Peptide Synthesis to Replace the Benzotriazoleâ€Based HOBt and HOAt with a Lower Risk of Explosion^[1]. Chemistry - A European Journal, 2009, 15, 9394-9403.	1.7	326
34	New polymorphic hydrogen bonding donorâ€“acceptor system with two temperature coincident solidâ€“solid transitions. CrystEngComm, 2009, 11, 52-54.	1.3	27
35	Ziprasidone malate, a new trimorphic salt with improved aqueous solubility. CrystEngComm, 2009, 11, 791.	1.3	21
36	Safety Evaluation of an Unexpected Incident with a Nitro Compound. Organic Process Research and Development, 2007, 11, 1131-1134.	1.3	17

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37	Polymorphism of (S)-triphenylglycol: kinetic dependent transformation of a new multipolymorphic system. Chemical Communications, 2007, , 3538.	2.2	4
38	A new polymorph of Norfloxacin. Journal of Thermal Analysis and Calorimetry, 2007, 89, 687-692.	2.0	46
39	Polymorphism of Norfloxacin:â€‰ Evidence of the Enantiotropic Relationship between Polymorphs A and B. Crystal Growth and Design, 2006, 6, 1463-1467.	1.4	52
40	Combined crystallographic and computational investigation of the solvent disorder present in a new tipiracil hydrochloride methanol solvateâ€“hydrate. CrystEngComm, 0, , .	1.3	1
41	Static discrete disorder in the crystal structure of iododiflunisal: on the importance of hydrogen bond, halogen bond and Ï€-stacking interactions. CrystEngComm, 0, , .	1.3	3