Mafalda Cruz SarraguÃ§a

List of Publications by Year
in descending order

42 papers	1,146 citations	471477 17 h-index	395678 33 g-index
42 all docs	42 docs citations	42 times ranked	1629 citing authors

#	Article	IF	Citations
1	Structural, thermal, vibrational, solubility and DFT studies of a tolbutamide co-amorphous drug delivery system for treatment of diabetes. International Journal of Pharmaceutics, 2022, 615, 121500.	5.2	7
2	Solids Turn into Liquidsâ€"Liquid Eutectic Systems of Pharmaceutics to Improve Drug Solubility. Pharmaceuticals, 2022, 15, 279.	3.8	6
3	Beef Consumers Behaviour and Preferencesâ€"The Case of Portugal. Sustainability, 2022, 14, 2358.	3.2	7
4	Mechanochemistry in Portugalâ€"A Step towards Sustainable Chemical Synthesis. Molecules, 2022, 27, 241.	3.8	7
5	Determination of co-crystal phase purity by mid infrared spectroscopy and multiple curve resolution. International Journal of Pharmaceutics, 2021, 595, 120246.	5.2	1
6	Considerations on high-throughput cocrystals screening by ultrasound assisted cocrystallization and vibrational spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117876.	3.9	7
7	How can oral paediatric formulations be improved? A challenge for the XXI century. International Journal of Pharmaceutics, 2020, 590, 119905.	5.2	11
8	Assessment of HOCl Production in Human blood: Experimental Optimization and Proof of Concept for the Antioxidant Activity of Flavonoids in this Complex Matrix. Free Radical Biology and Medicine, 2020, 159, S42.	2.9	0
9	A new salt of clofazimine to improve leprosy treatment. Journal of Molecular Structure, 2020, 1214, 128226.	3.6	8
10	Optimization of Experimental Settings for the Assessment of Reactive Oxygen Species Production by Human Blood. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	4.0	4
11	In-Depth Evaluation of Data Collected During a Continuous Pharmaceutical Manufacturing Process: A Multivariate Statistical Process Monitoring Approach. Journal of Pharmaceutical Sciences, 2019, 108, 439-450.	3.3	14
12	Synthesis of a Glibenclamide Cocrystal: Full Spectroscopic and Thermal Characterization. Journal of Pharmaceutical Sciences, 2018, 107, 1597-1604.	3.3	16
13	Process monitoring and evaluation of a continuous pharmaceutical twin-screw granulation and drying process using multivariate data analysis. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 36-47.	4.3	17
14	Data Processing in Multivariate Analysis of Pharmaceutical Processes. , 2018, , 35-51.		1
15	Organic Compounds. , 2018, , 236-236.		2
16	Vibrational Spectroscopy for Cocrystals Screening. A Comparative Study. Molecules, 2018, 23, 3263.	3.8	15
17	Pharmaceutical cocrystallization techniques. Advances and challenges. International Journal of Pharmaceutics, 2018, 547, 404-420.	5.2	100
18	Physicochemical fingerprinting of thermal waters of Beira Interior region of Portugal. Environmental Geochemistry and Health, 2017, 39, 483-496.	3.4	13

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19	Statistical process control of cocrystallization processes: A comparison between OPLS and PLS. International Journal of Pharmaceutics, 2017, 520, 29-38.	5.2	22
20	Merging vibrational spectroscopic data for wine classification according to the geographic origin. Food Research International, 2017, 102, 504-510.	6.2	48
21	A novel HPLC method for the determination of zonisamide in human plasma using microextraction by packed sorbent optimised by experimental design. Analytical Methods, 2017, 9, 5910-5919.	2.7	8
22	Multivariate statistical process control of a continuous pharmaceutical twin-screw granulation and fluid bed drying process. International Journal of Pharmaceutics, 2017, 528, 242-252.	5.2	28
23	Near infrared spectroscopy to monitor drug release in-situ during dissolution tests. International Journal of Pharmaceutics, 2016, 513, 1-7.	5.2	7
24	Real-time monitoring of cocrystallization processes by solvent evaporation: A near infrared study. European Journal of Pharmaceutical Sciences, 2016, 90, 76-84.	4.0	18
25	Batch Statistical Process Monitoring Approach to a Cocrystallization Process. Journal of Pharmaceutical Sciences, 2015, 104, 4099-4108.	3.3	21
26	Use of Near-Infrared Spectroscopy for Coffee Beans Quality Assessment. , 2015, , 933-942.		3
27	Online monitoring of P(3HB) produced from used cooking oil with near-infrared spectroscopy. Journal of Biotechnology, 2015, 194, 1-9.	3.8	43
28	A UV spectrophotometric method for the determination of folic acid in pharmaceutical tablets and dissolution tests. Analytical Methods, 2014, 6, 3065.	2.7	75
29	A PAT approach for the on-line monitoring of pharmaceutical co-crystals formation with near infrared spectroscopy. International Journal of Pharmaceutics, 2014, 471, 478-484.	5.2	39
30	Authenticity Control of Roasted Coffee Brands Using Near-Infrared Spectroscopy. Food Analytical Methods, 2013, 6, 892-899.	2.6	4
31	Evaluation of green coffee beans quality using near infrared spectroscopy: A quantitative approach. Food Chemistry, 2012, 135, 1828-1835.	8.2	66
32	Bioreactor monitoring with spectroscopy and chemometrics: a review. Analytical and Bioanalytical Chemistry, 2012, 404, 1211-1237.	3.7	204
33	Comparison of different chemometric and analytical methods for the prediction of particle size distribution in pharmaceutical powders. Analytical and Bioanalytical Chemistry, 2011, 399, 2137-2147.	3.7	18
34	A near-infrared spectroscopy method to determine aminoglycosides in pharmaceutical formulations. Vibrational Spectroscopy, 2011, 56, 184-192.	2.2	11
35	Determination of flow properties of pharmaceutical powders by near infrared spectroscopy. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 484-492.	2.8	58
36	Thermal analysis and crystallization from melts. Journal of Thermal Analysis and Calorimetry, 2010, 100, 423-429.	3.6	5

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37	A batch modelling approach to monitor a freeze-drying process using in-line Raman spectroscopy. Talanta, 2010, 83, 130-138.	5.5	16
38	Quantitative monitoring of an activated sludge reactor using on-line UV-visible and near-infrared spectroscopy. Analytical and Bioanalytical Chemistry, 2009, 395, 1159-1166.	3.7	56
39	Quality control of pharmaceuticals with NIR: From lab to process line. Vibrational Spectroscopy, 2009, 49, 204-210.	2.2	76
40	The use of net analyte signal (NAS) in near infrared spectroscopy pharmaceutical applications: Interpretability and figures of merit. Analytica Chimica Acta, 2009, 642, 179-185.	5.4	37
41	Enthalpy of vaporisation of butanediol isomers. Journal of Chemical Thermodynamics, 2003, 35, 123-129.	2.0	20
42	Study of Polymorphism From DSC Melting Curves; Polymorphs of Terfenadine. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 68, 397-412.	1.4	27