

# Luis Padrela

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,087  
citations

15  
h-index

31  
g-index

31  
ext. papers

1,349  
ext. citations

4.9  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
30	Creating Cocrystals: A Review of Pharmaceutical Cocrystal Preparation Routes and Applications. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 6370-6387	3.5	235
29	Formation of indomethacin-saccharin cocrystals using supercritical fluid technology. <i>European Journal of Pharmaceutical Sciences</i> , <b>2009</b> , 38, 9-17	5.1	146
28	Spray drying of pharmaceuticals and biopharmaceuticals: Critical parameters and experimental process optimization approaches. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 127, 300-318	5.1	113
27	Supercritical carbon dioxide-based technologies for the production of drug nanoparticles/nanocrystals - A comprehensive review. <i>Advanced Drug Delivery Reviews</i> , <b>2018</b> , 131, 22-78	18.5	108
26	Screening for pharmaceutical cocrystals using the supercritical fluid enhanced atomization process. <i>Journal of Supercritical Fluids</i> , <b>2010</b> , 53, 156-164	4.2	78
25	Spray drying ternary amorphous solid dispersions of ibuprofen - An investigation into critical formulation and processing parameters. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2017</b> , 120, 43-51	5.7	43
24	Insight into the Role of Additives in Controlling Polymorphic Outcome: A CO <sub>2</sub> -Antisolvent Crystallization Process of Carbamazepine. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 4544-4553	3.5	40
23	Anti-solvent effect in the production of lysozyme nanoparticles by supercritical fluid-assisted atomization processes. <i>Journal of Supercritical Fluids</i> , <b>2009</b> , 48, 253-260	4.2	37
22	Powder X-ray diffraction method for the quantification of cocrystals in the crystallization mixture. <i>Drug Development and Industrial Pharmacy</i> , <b>2012</b> , 38, 923-9	3.6	35
21	Tuning physicochemical properties of theophylline by cocrystallization using the supercritical fluid enhanced atomization technique. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 86, 129-136	4.2	34
20	Insight into the Mechanisms of Cocrystallization of Pharmaceuticals in Supercritical Solvents. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 3175-3181	3.5	34
19	Theophylline polymorphs by atomization of supercritical antisolvent induced suspensions. <i>Journal of Supercritical Fluids</i> , <b>2011</b> , 58, 303-312	4.2	28
18	Single-Step Co-Crystallization and Lipid Dispersion by Supercritical Enhanced Atomization. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 4940-4947	3.5	26
17	From batch to continuous - New opportunities for supercritical CO <sub>2</sub> technology in pharmaceutical manufacturing. <i>European Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 137, 104971	5.1	20
16	Controlling Polymorphism of Carbamazepine Nanoparticles in a Continuous Supercritical-CO <sub>2</sub> -Assisted Spray Drying Process. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3755-3767	3.5	16
15	Development of a novel mucosal vaccine against strangles by supercritical enhanced atomization spray-drying of <i>Streptococcus equi</i> extracts and evaluation in a mouse model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 82, 392-400	5.7	15
14	New thermoresistant polymorph from CO <sub>2</sub> recrystallization of minocycline hydrochloride. <i>Pharmaceutical Research</i> , <b>2014</b> , 31, 3136-49	4.5	12

13	Amorphous solid dispersion of ibuprofen: A comparative study on the effect of solution based techniques. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 572, 118816	6.5	10
12	Solubility and thermodynamic analysis of ketoprofen in organic solvents. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 588, 119686	6.5	10
11	Co-crystal polymorphic control by nanodroplet and electrical confinement. <i>CrystEngComm</i> , <b>2019</b> , 21, 2845-2848	3.3	9
10	A rational approach towards spray drying of biopharmaceuticals: The case of lysozyme. <i>Powder Technology</i> , <b>2020</b> , 366, 206-215	5.2	9
9	Production and isolation of pharmaceutical drug nanoparticles. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 603, 120708	6.5	7
8	Unraveling the Link between Solvent-Mediated Proton Transfer and the Salt Formation of Saccharin and Sulfamethazine. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 613-619	3.5	6
7	Investigating Process Variables and Additive Selection To Optimize Polymorphic Control of Carbamazepine in a CO <sub>2</sub> Antisolvent Crystallization Process. <i>Organic Process Research and Development</i> , <b>2020</b> , 24, 1006-1017	3.9	6
6	Generation and physicochemical characterization of posaconazole cocrystals using Gas Antisolvent (GAS) and Supercritical Solvent (CSS) methods. <i>Journal of Supercritical Fluids</i> , <b>2021</b> , 170, 105134	4.2	4
5	Development and validation of a two-dimensional population balance model for a supercritical CO <sub>2</sub> antisolvent batch crystallization process. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 3191-3204	4.6	3
4	Cortisone and cortisol break hydrogen-bonding rules to make a drug-prodrug solid solution. <i>IUCrJ</i> , <b>2020</b> , 7, 1124-1130	4.7	2
3	Solid-State and Particle Size Control of Pharmaceutical Cocrystals using Atomization-Based Techniques.. <i>International Journal of Pharmaceutics</i> , <b>2022</b> , 121798	6.5	1
2	Pharmaceutical nanoparticle isolation using CO-assisted dynamic bed coating. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 592, 120032	6.5	0
1	Production of biopharmaceutical dried-powders using supercritical CO <sub>2</sub> technology. <i>Journal of Supercritical Fluids</i> , <b>2022</b> , 187, 105645	4.2	0