

# Luis Freitas

## List of Publications by Year in descending order

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81  
papers

2,036  
citations

218381

26  
h-index

288905

40  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of the extraction of curcumin from <i>Curcuma longa</i> rhizomes. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 94-100.	0.6	80
2	Curcumin reduces cisplatin-induced neurotoxicity in NGF-differentiated PC12 cells. <i>NeuroToxicology</i> , 2013, 34, 205-211.	1.4	76
3	HYDRODYNAMICS AND STABILITY OF SLOT-RECTANGULAR SPOUTED BEDS. PART I: THIN BED. <i>Chemical Engineering Communications</i> , 2000, 181, 225-242.	1.5	73
4	A quantitative method for the analysis of xanthine alkaloids in <i>Paullinia cupana</i> (guarana) by capillary column gas chromatography. <i>Journal of Separation Science</i> , 2002, 25, 371-374.	1.3	71
5	Microencapsulation of <i>B. lactis</i> (BI 01) and <i>L. acidophilus</i> (LAC 4) by Complex Coacervation Followed by Spouted-Bed Drying. <i>Drying Technology</i> , 2007, 25, 1687-1693.	1.7	70
6	Microparticles Containing Curcumin Solid Dispersion: Stability, Bioavailability and Anti-Inflammatory Activity. <i>AAPS PharmSciTech</i> , 2016, 17, 252-261.	1.5	68
7	Curcuminoid content and antioxidant activity in spray dried microparticles containing turmeric extract. <i>Food Research International</i> , 2013, 50, 657-663.	2.9	67
8	Preparation of a solid self-microemulsifying drug delivery system by hot-melt extrusion. <i>International Journal of Pharmaceutics</i> , 2018, 541, 1-10.	2.6	57
9	Chitosan microparticles for sustaining the topical delivery of minoxidil sulphate. <i>Journal of Microencapsulation</i> , 2011, 28, 650-658.	1.2	54
10	Voidage and particle velocity profiles in a spouted fluid bed. <i>Canadian Journal of Chemical Engineering</i> , 2000, 78, 132-142.	0.9	53
11	Hot melt granulation of coarse pharmaceutical powders in a spouted bed. <i>Powder Technology</i> , 2009, 189, 520-527.	2.1	53
12	HYDRODYNAMICS AND STABILITY OF SLOT-RECTANGULAR SPOUTED BEDS PART II: INCREASING BED THICKNESS. <i>Chemical Engineering Communications</i> , 2000, 181, 243-258.	1.5	51
13	The Preparation of Ternary Solid Dispersions of an Herbal Drug via Spray Drying of Liquid Feed. <i>Drying Technology</i> , 2010, 28, 412-421.	1.7	51
14	Identification of Flow Regimes in Slot-Rectangular Spouted Beds using Pressure Fluctuations. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 60-73.	0.9	49
15	Drying of Pharmaceuticals: The Applicability of Spouted Beds. <i>Drying Technology</i> , 2006, 24, 327-338.	1.7	48
16	Experimental production of annatto powders in spouted bed dryer. <i>Journal of Food Engineering</i> , 2003, 59, 93-97.	2.7	46
17	Nanoparticles containing curcuminoids ( <i>Curcuma longa</i> ): development of topical delivery formulation. <i>Revista Brasileira De Farmacognosia</i> , 2015, 25, 53-60.	0.6	43
18	Topical Formulation Containing Beeswax-Based Nanoparticles Improved In Vivo Skin Barrier Function. <i>AAPS PharmSciTech</i> , 2017, 18, 2505-2516.	1.5	37

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19	Spray-dried bacterial cellulose nanofibers: A new generation of pharmaceutical excipient intended for intestinal drug delivery. <i>Carbohydrate Polymers</i> , 2020, 249, 116838.	5.1	37
20	A Comparative Study of Spouted and Spout-Fluid Beds for Tablet Coating. <i>Drying Technology</i> , 2005, 23, 2369-2387.	1.7	34
21	Heat transfer in a draft tube spouted bed with bottom solids feed. <i>Powder Technology</i> , 2001, 114, 152-162.	2.1	32
22	Microstructured ternary solid dispersions to improve carbamazepine solubility. <i>Powder Technology</i> , 2012, 215-216, 156-165.	2.1	32
23	Development of Cationic Solid Lipid Nanoparticles with Factorial Design-Based Studies for Topical Administration of Doxorubicin. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 219-228.	0.5	31
24	Spray Congealing of Pharmaceuticals: Study on Production of Solid Dispersions Using Box-Behnken Design. <i>Drying Technology</i> , 2012, 30, 935-945.	1.7	29
25	Spray drying of <i>Eugenia dysenterica</i> extract: effects of in-process parameters on product quality. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 115-123.	0.6	29
26	Impact of Cross-linking and Drying Method on Drug Delivery Performance of Casein- $\alpha$ -Pectin Microparticles. <i>AAPS PharmSciTech</i> , 2013, 14, 1227-1235.	1.5	27
27	GAS-TO-PARTICLE HEAT TRANSFER IN THE DRAFT TUBE OF A SPOUTED BED. <i>Drying Technology</i> , 2001, 19, 1065-1082.	1.7	26
28	Flow Characteristics in Slot-Rectangular Spouted Beds with Draft Plates. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 83-88.	0.9	26
29	Development of a Phytopharmaceutical Intermediate Product via Spray Drying. <i>Drying Technology</i> , 2011, 29, 709-718.	1.7	26
30	A multivariate approach applied to quality on particle engineering of spray-dried mannitol. <i>Advanced Powder Technology</i> , 2015, 26, 1094-1101.	2.0	26
31	Ultrasound influence on the solubility of solid dispersions prepared for a poorly soluble drug. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 461-469.	3.8	26
32	Box- $\alpha$ -Behnken design for the optimization of an enantioselective method for the simultaneous analysis of propranolol and 4-hydroxypropranolol by CE. <i>Electrophoresis</i> , 2009, 30, 2874-2881.	1.3	25
33	Microparticulated Hydrochlorothiazide Solid Dispersion: Enhancing Dissolution Properties via Spray Drying. <i>Drying Technology</i> , 2012, 30, 959-967.	1.7	24
34	Curcumin suppresses inflammatory cytokines and heat shock protein 70 release and improves metabolic parameters during experimental sepsis. <i>Pharmaceutical Biology</i> , 2017, 55, 269-276.	1.3	24
35	Skin penetration and photoprotection of topical formulations containing benzophenone-3 solid lipid microparticles prepared by the solvent-free spray-congealing technique. <i>Journal of Microencapsulation</i> , 2014, 31, 644-653.	1.2	23
36	Copaifera langsdorffii supercritical fluid extraction: Chemical and functional characterization by LC/MS and in vitro assays. <i>Journal of Supercritical Fluids</i> , 2015, 100, 86-96.	1.6	23

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37	Dynamic maceration of <i>Matricaria chamomilla</i> inflorescences: optimal conditions for flavonoids and antioxidant activity. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 111-117.	0.6	23
38	Fluid bed drying of guarana ( <i>Paullinia cupana</i> HBK) extract: Effect of process factors on caffeine content. <i>AAPS PharmSciTech</i> , 2006, 7, E160-E166.	1.5	20
39	Improved green coffee oil antioxidant activity for cosmetical purpose by spray drying microencapsulation. <i>Revista Brasileira De Farmacognosia</i> , 2015, 25, 307-311.	0.6	20
40	Comparative study of curcumin and curcumin formulated in a solid dispersion: Evaluation of their antitumor effects. <i>Genetics and Molecular Biology</i> , 2015, 38, 490-498.	0.6	19
41	Study on the Efficiency of Hard Gelatin Capsules Coating in a Spouted Bed. <i>Drying Technology</i> , 2005, 23, 2039-2053.	1.7	18
42	The effect of homogenization method on the properties of carbamazepine microparticles prepared by spray congealing. <i>Journal of Microencapsulation</i> , 2013, 30, 692-700.	1.2	18
43	Solid state stability of polyphenols from a plant extract after fluid bed atmospheric spray-freeze-drying. <i>Powder Technology</i> , 2017, 319, 494-504.	2.1	18
44	Pharmaceutical applications of spouted beds: A review on solid dosage forms. <i>Particuology</i> , 2019, 42, 126-136.	2.0	18
45	Optimization of fibrolytic enzyme production by <i>Aspergillus japonicus</i> C03 with potential application in ruminant feed and their effects on tropical forages hydrolysis. <i>Bioprocess and Biosystems Engineering</i> , 2011, 34, 1027-1038.	1.7	17
46	Microcapsule Processing in a Spouted Bed. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 134-141.	0.9	16
47	Spray Drying of Extracts from Red Yeast Fermentation Broth. <i>Drying Technology</i> , 2011, 29, 342-350.	1.7	16
48	HEAT TRANSFER IN SPOUTED BEDS. <i>Drying Technology</i> , 1993, 11, 303-317.	1.7	15
49	Enantioselective analysis of oxybutynin and N-desethyloxybutynin with application to an in vitro biotransformation study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 161-167.	1.2	15
50	Engineering Active Pharmaceutical Ingredients by Spray Drying: Effects on Physical Properties and In Vitro Dissolution. <i>Drying Technology</i> , 2012, 30, 905-913.	1.7	15
51	A new approach to the granulation of $\beta$ -cyclodextrin inclusion complexes. <i>Chemical Engineering Journal</i> , 2010, 164, 316-321.	6.6	14
52	Dynamic maceration of <i>Copaifera langsdorffii</i> leaves: a technological study using fractional factorial design. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 79-85.	0.6	14
53	Granulation of indomethacin and a hydrophilic carrier by fluidized hot melt method: The drug solubility enhancement. <i>Powder Technology</i> , 2015, 270, 453-460.	2.1	14
54	Turbo-extraction of glycosides from <i>Stevia rebaudiana</i> using a fractional factorial design. <i>Revista Brasileira De Farmacognosia</i> , 2017, 27, 510-518.	0.6	14

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55	Development of enteric coated tablets from spray dried extract of feverfew ( <i>Tanacetum parthenium</i> L.) Tj ETQq1 1 0,784314 rgBT /Over	1.2	13
56	Box-Behnken design to study the bergenin content and antioxidant activity of <i>Endopleura uchi</i> bark extracts obtained by dynamic maceration. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 65-71.	0.6	13
57	Spray-dried extracts from <i>Syzygium cumini</i> seeds: Physicochemical and biological evaluation. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 145-152.	0.6	12
58	Fluidized Bed Hot Melt Granulation with Hydrophilic Materials Improves Enalapril Maleate Stability. <i>AAPS PharmSciTech</i> , 2017, 18, 1302-1310.	1.5	10
59	ANALYSIS OF FLUID DYNAMICS IN A SPOUTED BED WITH CONTINUOUS SOLIDS FEEDING. <i>Drying Technology</i> , 1998, 16, 1903-1921.	1.7	9
60	Multivariate Analysis of the Stability of Spray-Dried <i>Eupenicillium javanicum</i> Peptidases. <i>Drying Technology</i> , 2014, 32, 614-621.	1.7	9
61	Characteristics of piroxicam granules prepared by fluidized bed hot melt granulation. <i>Advanced Powder Technology</i> , 2018, 29, 934-940.	2.0	9
62	Paste Residence Time in a Spouted Bed Dryer. III: Effect of Paste Properties and Quality Interactions. <i>Drying Technology</i> , 2007, 25, 841-852.	1.7	8
63	Safety of a formulation containing chitosan microparticles with chamomile: blind controlled clinical trial. <i>Revista Latino-Americana De Enfermagem</i> , 2018, 26, e3075.	0.4	8
64	Mitogenomics of the endangered Mediterranean monk seal ( <i>Monachus monachus</i> ) reveals dramatic loss of diversity and supports historical gene-flow between Atlantic and eastern Mediterranean populations. <i>Zoological Journal of the Linnean Society</i> , 2021, 191, 1147-1159.	1.0	8
65	A rapid quantitative method for the analysis of sulfluramid and its isomers in ant bait by capillary column gas chromatography. <i>Journal of Separation Science</i> , 2001, 24, 406-410.	1.3	7
66	SENSITIVITY ANALYSIS ON THE FLUID DYNAMICS OF A DRAFT TUBE SPOUTED BED WITH BOTTOM PARTICLES FEED. <i>Drying Technology</i> , 2002, 20, 1161-1175.	1.7	7
67	Paste Residence Time in a Spouted Bed Dryer. II: Effect of Spout Operational Conditions. <i>Drying Technology</i> , 2007, 25, 831-839.	1.7	7
68	Analysis of pressure fluctuations during water evaporation in spouted bed. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 386-393.	0.9	7
69	Spray Cooling Process Factors and Quality Interactions During the Preparation of Microparticles Containing an Active Pharmaceutical Ingredient. <i>Drying Technology</i> , 2014, 32, 1188-1199.	1.7	7
70	Microencapsulate <i>Aspergillus niger</i> peptidases from agroindustrial waste wheat bran: spray process evaluation and stability. <i>Journal of Microencapsulation</i> , 2017, 34, 560-570.	1.2	7
71	Study of Quality Assurance For <i>Peumus Boldus</i> M Products By Botanic Profiling, Extraction Optimization, HPLC Quantification And Antioxidant Assay. <i>Pharmacognosy Journal</i> , 2016, 8, 264-272.	0.3	7
72	Effect of Stearic Acid on Enalapril Stability and Dissolution from Multiparticulate Solid Dosage Forms. <i>AAPS PharmSciTech</i> , 2013, 14, 1150-1157.	1.5	6

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73	Fluidized Bed Hot-Melt Granulation as a Tool to Improve Curcuminoid Solubility. AAPS PharmSciTech, 2018, 19, 1061-1071.	1.5	6
74	Paste Residence Time in a Spouted Bed Dryer. I: The Stimulus-Response Methodology. Drying Technology, 2007, 25, 821-830.	1.7	5
75	Paste Residence Time in a Spouted Bed Dryer. IV: Effect of the Inert Particle Size Distribution. Drying Technology, 2011, 29, 1662-1672.	1.7	5
76	Boxâ€Behnken analysis and storage of spray-dried collagenolytic proteases from Myceliophthora thermophila submerged bioprocess. Preparative Biochemistry and Biotechnology, 2017, 47, 473-480.	1.0	4
77	A Chitosan-Coated Chamomile Microparticles Formulation to Prevent Radiodermatitis in Breast. American Journal of Clinical Oncology: Cancer Clinical Trials, 2022, Publish Ahead of Print, .	0.6	4
78	Improvement of enalapril maleate chemical stability by high shear melting granulation. Pharmaceutical Development and Technology, 2015, 20, 1002-1008.	1.1	3
79	Rice spouted bed for manufacturing inclusion complexes of Endopleura uchi L extracts in Î²-cyclodextrin. Particuology, 2019, 42, 208-215.	2.0	3
80	Special issue on Phytopharmaceutical Technology. Revista Brasileira De Farmacognosia, 2013, 23, i.	0.6	1
81	Analysis of interactions between polymeric gel and esophageal mucosae by a multivariate experimental approach. Journal of Drug Delivery Science and Technology, 2022, , 103413.	1.4	0