Wanderley Pereira Oliveira

List of Publications by Year
in descending order

98 papers	2,683 citations	218677 26 h-index	223800 46 g-index
99 all docs	99 docs citations	99 times ranked	3285 citing authors

#	Article	IF	Citations
1	Cyclodextrins-in-Liposomes: A Promising Delivery System for Lippia sidoides and Syzygium aromaticum Essential Oils. Life, 2022, 12, 95.	2.4	9
2	Nanostructured Lipid Carriers Loaded with Lippia sidoides Essential Oil as a Strategy to Combat the Multidrug-Resistant Candida auris. Pharmaceutics, 2022, 14, 180.	4.5	15
3	Adhesion strength of soot particles to cellulose ester membranes determined by centrifuge technique. Aerosol Science and Technology, 2021, 55, 167-181.	3.1	2
4	Immobilized enzyme-driven value enhancement of lignocellulosic-based agricultural byproducts: Application in aroma synthesis. Journal of Cleaner Production, 2021, 284, 124728.	9.3	16
5	Antimalarial Activity of Bidens pilosa Root Extract Co-spray Dried in the Presence of Î²-Cyclodextrin or Aerosil:Microcrystalline Cellulose Blend. Planta Medica International Open, 2021, 8, e1-e9.	0.5	0
6	Probiotics and prebiotics potential for the care of skin, female urogenital tract, and respiratory tract. Folia Microbiologica, 2020, 65, 245-264.	2.3	63
7	Natural Ergot Alkaloids in Ocular Pharmacotherapy: Known Molecules for Novel Nanoparticle-Based Delivery Systems. Biomolecules, 2020, 10, 980.	4.0	11
8	Spouted Bed Dried Rosmarinus officinalis Extract: A Novel Approach for Physicochemical Properties and Antioxidant Activity. Agriculture (Switzerland), 2020, 10, 349.	3.1	9
9	Spray-Dried Structured Lipid Carriers for the Loading of Rosmarinus officinalis: New Nutraceutical and Food Preservative. Foods, 2020, 9, 1110.	4.3	5
10	Factors Affecting the Retention Efficiency and Physicochemical Properties of Spray Dried Lipid Nanoparticles Loaded with Lippia sidoides Essential Oil. Biomolecules, 2020, 10, 693.	4.0	15
11	Stabilization and application of spray-dried tannase from Aspergillus fumigatus CAS21 in the presence of different carriers. 3 Biotech, 2020, 10, 177.	2.2	7
12	Spray-Dried Proliposomes: an Innovative Method for Encapsulation of Rosmarinus officinalis L. Polyphenols. AAPS PharmSciTech, 2020, 21, 143.	3.3	11
13	SLN and NLC for topical, dermal, and transdermal drug delivery. Expert Opinion on Drug Delivery, 2020, 17, 357-377.	5.0	186
14	Fluidized bed coating of inert cores with a lipid-based system loaded with a polyphenol-rich Rosmarinus officinalis extract. Food and Bioproducts Processing, 2019, 114, 216-226.	3.6	17
15	Lippia sidoides essential oil encapsulated in lipid nanosystem as an anti-Candida agent. Industrial Crops and Products, 2019, 127, 73-81.	5.2	40
16	Green tea supplementation upregulates uncoupling protein 3 expression in severe obese women adipose tissue but does not promote weight loss. International Journal of Food Sciences and Nutrition, 2018, 69, 995-1002.	2.8	9
17	Effects of lipid formulations on clove extract spray dried powders: comparison of physicochemical properties, storage stability and in vitro intestinal permeation. Pharmaceutical Development and Technology, 2018, 23, 1047-1056.	2.4	2
18	Spray drying of lipid-based systems loaded with Camellia sinensis polyphenols. Journal of Liposome Research, 2017, 27, 11-20.	3.3	7

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19	Enzymatic Transesterification of Coconut Oil Using Chitosan-Immobilized Lipase Produced by Fluidized-Bed System. Energy & Fuels, 2017, 31, 12209-12216.	5.1	17
20	System dynamics and product quality during fluidized bed agglomeration of phytochemical compositions. Powder Technology, 2016, 300, 2-13.	4.2	9
21	Enzymatic Synthesis of Biodiesel Using Immobilized Lipase on a Non-commercial Support. Energy & Fuels, 2016, 30, 4820-4824.	5.1	19
22	BINARY, TERNARY AND QUATERNARY INCLUSION COMPLEXES CONTAININGLippia sidoidesESSENTIAL OIL. Quimica Nova, 2016, , .	0.3	3
23	Drying of enzyme immobilized on eco-friendly supports. African Journal of Biotechnology, 2015, 14, 3019-3026.	0.6	26
24	Surfactant Mediated Extraction of Antioxidants fromSyzygium aromaticum. Separation Science and Technology, 2015, 50, 207-213.	2.5	17
25	Fluid bed drying and agglomeration of phytopharmaceutical compositions. Powder Technology, 2015, 273, 145-153.	4.2	19
26	Optimization of spray drying conditions for production of Bidens pilosa L. dried extract. Chemical Engineering Research and Design, 2015, 93, 366-376.	5.6	53
27	Enzyme encapsulation in magnetic chitosan-Fe₃O₄microparticles. Journal of Microencapsulation, 2015, 32, 16-21.	2.8	14
28	InfluÃªncia do processo de secagem e condiÃ§Ã£o de armazenamento de extratos secos de Bauhinia forficata e Passiflora alata sobre seu perfil de dissoluÃ§Ã£o. Revista Brasileira De Plantas Medicinais, 2015, 17, 67-75.	0.3	3
29	Immobilization of Lipases Produced by the Endophytic Fungus Cercospora kikuchii on Chitosan Microparticles. Brazilian Archives of Biology and Technology, 2014, 57, 578-586.	0.5	12
30	Assessment of Antioxidant Activity of Spray Dried Extracts ofPsidium guajavaLeaves by DPPH and Chemiluminescence Inhibition in Human Neutrophils. BioMed Research International, 2014, 2014, 1-10.	1.9	13
31	Characterization and spray drying of lipase produced by the endophytic fungus Cercospora kikuchii. Brazilian Journal of Chemical Engineering, 2014, 31, 849-858.	1.3	26
32	Clove (Syzygium aromaticum): a precious spice. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 90-96.	1.2	439
33	Antioxidant and antimicrobial activities of Psidium guajava L. spray dried extracts. Industrial Crops and Products, 2014, 60, 39-44.	5.2	46
34	Influence of Mixing Speed in Liquid Crystal Formation and Rheology of O/W Emulsions Containing Vegetable Oils. Journal of Dispersion Science and Technology, 2014, 35, 1551-1556.	2.4	7
35	Encapsulation of eugenol rich clove extract in solid lipid carriers. Journal of Food Engineering, 2014, 127, 34-42.	5.2	83
36	Immobilization of Lipases Produced by the Endophytic Fungus Cercospora kikuchii on Chitosan Microparticles. Brazilian Archives of Biology and Technology, 2014, 57, 578-586.	0.5	3

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37	Phytase Production by Rhizopus microsporus var. microsporus Biofilm: Characterization of Enzymatic Activity After Spray Drying in Presence of Carbohydrates and Nonconventional Adjuvants. Journal of Microbiology and Biotechnology, 2014, 24, 177-187.	2.1	10
38	Extracellular Î²-fructofuranosidase fromFusarium graminearum: stability of the spray-dried enzyme in the presence of different carbohydrates. Journal of Microencapsulation, 2013, 30, 624-631.	2.8	5
39	Spouted Bed Drying as a Method for Enzyme Immobilization. Drying Technology, 2013, 31, 1756-1763.	3.1	15
40	Bioactive compounds in Bidens pilosa L. populations: a key step in the standardization of phytopharmaceutical preparations. Revista Brasileira De Farmacognosia, 2013, 23, 28-35.	1.4	38
41	Spouted bed performance on drying of an aromatic plant extract. Powder Technology, 2013, 239, 59-71.	4.2	27
42	Quality changes during spouted bed drying of Pepperâ€Rosmarin extract. Canadian Journal of Chemical Engineering, 2013, 91, 1837-1846.	1.7	7
43	Stability testing and shelf live prediction of a spouted bed dried phytopharmaceutical preparation from Maytenus ilicifolia. Canadian Journal of Chemical Engineering, 2013, 91, 1847-1855.	1.7	2
44	Study of adsorption isotherms of green coconut pulp. Food Science and Technology, 2013, 33, 68-74.	1.7	18
45	Drying of Phytochemical Preparations in a Spouted Bed: Perspectives and Challenges. Drying Technology, 2012, 30, 1209-1226.	3.1	15
46	Spray drying microencapsulation of Lippia sidoides extracts in carbohydrate blends. Food and Bioproducts Processing, 2012, 90, 425-432.	3.6	55
47	Microencapsulation of Ketoprofen in Blends of Acrylic Resins by Spray Drying. Drying Technology, 2012, 30, 263-275.	3.1	11
48	Physicochemical Properties of Phytopharmaceutical Preparations as Affected by Drying Methods and Carriers. Drying Technology, 2012, 30, 921-934.	3.1	51
49	Physicochemical and antioxidant properties of spray dried preparations from Psidium guajava L. Planta Medica, 2012, 78, .	1.3	0
50	Lipase Production by Endophytic FungusCercospora kikuchii: Stability of Enzymatic Activity after Spray Drying in the Presence of Carbohydrates. Drying Technology, 2011, 29, 1112-1119.	3.1	30
51	Optimisation of the extraction of phenolic compounds and antioxidant activity from aerial parts of Bidens pilosa L. using response surface methodology. International Journal of Food Science and Technology, 2011, 46, 2420-2427.	2.7	15
52	Use of Carnobacterium maltaromaticum cultures and hydroalcoholic extract of Lippia sidoides Cham. against Listeria monocytogenes in fish model systems. International Journal of Food Microbiology, 2011, 146, 228-234.	4.7	40
53	Stabilization of Endophytic FungusCercospora kikuchiiLipase by Spray Drying in the Presence of Maltodextrin and Î²-Cyclodextrin. Drying Technology, 2010, 28, 1245-1254.	3.1	19
54	Stability Testing of Spray- and Spouted Bedâ€“Dried Extracts ofPassiflora alata. Drying Technology, 2010, 28, 1255-1265.	3.1	31

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55	Antioxidant activity and physical-chemical properties of spray and spouted bed dried extracts of Bauhinia forficata. Brazilian Journal of Pharmaceutical Sciences, 2009, 45, 209-218.	1.2	14
56	Investigation of acoustic signals as a tool for characterizing spouted bed dynamics. Canadian Journal of Chemical Engineering, 2009, 87, 298-307.	1.7	5
57	Identification of the state of a wet spouted bed through timeâ€frequency analysis of pressure fluctuation time series. Canadian Journal of Chemical Engineering, 2009, 87, 289-297.	1.7	11
58	Drying of herbal extract in a draftâ€tube spouted bed. Canadian Journal of Chemical Engineering, 2009, 87, 279-288.	1.7	18
59	Solid state studies on molecular inclusions of Lippia sidoides essential oil obtained by spray drying. Journal of Thermal Analysis and Calorimetry, 2009, 95, 855-863.	3.6	22
60	Retention of the Enzymatic Activity and Product Properties During Spray Drying of Pineapple Stem Extract in Presence of Maltodextrin. International Journal of Food Properties, 2009, 12, 536-548.	3.0	12
61	Thermal properties and release of Lippia sidoides essential oil from gum arabic/maltodextrin microparticles. Journal of Thermal Analysis and Calorimetry, 2008, 94, 461-467.	3.6	11
62	Evaluation of flow regimes in a semiâ€cylindrical spouted bed through statistical, mutual information, spectral and Hurst's analysis. Canadian Journal of Chemical Engineering, 2008, 86, 582-597.	1.7	17
63	Effect of process variables on fluiddynamics and adhesion efficiency during spouted bed coating of hard gelatine capsules. Chemical Engineering and Processing: Process Intensification, 2008, 47, 2238-2246.	3.6	23
64	Spray drying of the soybean extract: Effects on chemical properties and antioxidant activity. LWT - Food Science and Technology, 2008, 41, 1521-1527.	5.2	97
65	Volatile Retention and Antifungal Properties of Spray-Dried Microparticles ofLippia sidoidesEssential Oil. Drying Technology, 2008, 26, 1534-1542.	3.1	72
66	Attainment of O/W Emulsions Containing Liquid Crystal from Annatto Oil (Bixa orellana), Coffee Oil, and Tea Tree Oil (Melaleuca alternifolia) as Oily Phase Using HLB System and Ternary Phase Diagram. Journal of Dispersion Science and Technology, 2008, 29, 297-306.	2.4	16
67	Thesis Summary: Standardized Dried Extracts of Brazilian Medicinal Plants: Assessment of Technical and Economic Feasibility of Spouted Bed Drying. Drying Technology, 2008, 26, 386-387.	3.1	2
68	THE ROLE OF COLLOIDAL SILICON DIOXIDE IN THE ENHANCEMENT OF THE DRYING OF HERBAL PREPARATIONS IN SUSPENDED STATE. Chemical Engineering Communications, 2008, 196, 391-405.	2.6	15
69	Processing of Rosmarinus officinalis linne extract on spray and spouted bed dryers. Brazilian Journal of Chemical Engineering, 2008, 25, 59-69.	1.3	40
70	Manufacturing Drug Loaded Chitosan Microspheres by Spray Drying: Development, Characterization, and Potential Use in Dentistry. Drying Technology, 2007, 25, 303-310.	3.1	19
71	Storage Conditions for Stability Testing of Pharmaceuticals in Hot and Humid Regions. Drug Development and Industrial Pharmacy, 2007, 33, 393-401.	2.0	42
72	Spray drying conditions and encapsulating composition effects on formation and properties of sodium diclofenac microparticles. Powder Technology, 2007, 171, 7-14.	4.2	143

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73	Influence of PEG-12 Dimethicone addition on stability and formation of emulsions containing liquid crystal. International Journal of Cosmetic Science, 2007, 29, 211-218.	2.6	26
74	Manufacture of Standardized Dried Extracts from Medicinal Brazilian Plants. Drying Technology, 2006, 24, 523-533.	3.1	50
75	In Vitro Dissolution Studies of Sodium Diclofenac Granules Coated with Eudragit L-30D-55Â® by Fluidized-Bed System. Drug Development and Industrial Pharmacy, 2006, 32, 661-667.	2.0	14
76	Equilibrium Moisture Content Models for Maytenus ilicifolia Leaves. Biosystems Engineering, 2006, 94, 221-228.	4.3	29
77	Powder Properties and System Behavior during Spray Drying of Bauhinia forficata Link Extract. Drying Technology, 2006, 24, 735-749.	3.1	41
78	Spouted bed drying of Bauhinia forficata link extract: the effects of feed atomizer position and operating conditions on equipment performance and product properties. Brazilian Journal of Chemical Engineering, 2005, 22, 239-247.	1.3	28
79	Technical aspects of the production of dried extract of Maytenus ilicifolia leaves by jet spouted bed drying. International Journal of Pharmaceutics, 2005, 299, 115-126.	5.2	26
80	Development of O/W Emulsions with Annato Oil (Bixa orellana) Containing Liquid Crystal. Journal of Dispersion Science and Technology, 2005, 26, 591-596.	2.4	20
81	Polyhydroxy Alcohols and Peach Oil Addition Influence on Liquid Crystal Formation and Rheological Behavior of O/W Emulsions. Journal of Dispersion Science and Technology, 2005, 26, 463-468.	2.4	38
82	Attainment of Emulsions with Liquid Crystal from Marigold Oil Using the Required HLB Method. Journal of Dispersion Science and Technology, 2005, 26, 243-249.	2.4	44
83	Effect of the Equipment Configuration and Operating Conditions on Process Performance and on Physical Characteristics of the Product During Coating in Spouted Bed. Canadian Journal of Chemical Engineering, 2004, 82, 122-133.	1.7	14
84	Experimental production of annatto powders in spouted bed dryer. Journal of Food Engineering, 2003, 59, 93-97.	5.2	46
85	Enteric coating of soft gelatin capsules by spouted bed: effect of operating conditions on coating efficiency and on product quality. European Journal of Pharmaceutics and Biopharmaceutics, 2003, 55, 313-321.	4.3	27
86	Evaluation of the anti-ulcerogenic activity of a dry extract of Maytenus ilicifolia Martius ex. Reiss produced by a jet spouted bed dryer. Die Pharmazie, 2003, 58, 573-6.	0.5	16
87	Evaluation of the Tablet Coating by the Conventional Spouted-Bed Process. Drug Development and Industrial Pharmacy, 2001, 27, 213-219.	2.0	8
88	Production of Dry Extracts of Medicinal Brazilian Plants by Spouted Bed Process. Food and Bioproducts Processing, 2001, 79, 160-168.	3.6	17
89	ANALOGY BETWEEN HEAT AND MASS TRANSFER IN THREE SPOUTED BED ZONES DURING THE DRYING OF LIQUID MATERIALS. Drying Technology, 1998, 16, 1939-1955.	3.1	7
90	Disaccharidase levels in normal epithelium of the small intestine of rats with iron-deficiency anemia. Brazilian Journal of Medical and Biological Research, 1997, 30, 849-854.	1.5	17

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91	Spouted and fluidised bed drying of biomaterials. Stewart Postharvest Review, 0, 4, 1-11.	0.7	3
92	Spray drying of lipid nanosystems (SLN and NLC) loaded with Syzygium aromaticum essential oil. , 0, , .		3
93	Spray dried proliposomes of Rosmarinus officinalis polyphenols: a quality by design approach. , 0, , .		1
94	ENCAPSULAÃ‡ÃƒO DE COMPOSTOS BIOATIVOS DE BIDENS PILOSA L. EM PARTÃCULAS LIPÃDICAS SÃ“LIDAS. , 0, , .		0
95	PROPRIEDADES FÃSICAS E VELOCIDADE MÃNIMA DE FLUIDIZAÃ‡ÃƒO DE PARTÃCULAS SEMENTES EMPREGADAS EM PROCESSOS DE AGLOMERAÃ‡ÃƒO DE PRODUTOS FARMACÃŠUTICOS E ALIMENTÃCIOS. , 0, , .		0
96	AVALIAÃ‡ÃƒO DE DIFERENTES MÃ‰TODOS DE SECAGEM DE BIOCATALISADORES OBTIDOS PELA IMOBILIZAÃ‡ÃƒO DA LIPASE DE Candida rugosa EM COPOLÃMEROS MAGNÃ‰TICOS. , 0, , .		0
97	Immobilization of Candida rugosa lipase on eco-friendly supports by spouted-bed technology: Use in the synthesis of isoamyl caprylate. , 0, , .		1
98	Spray Drying of Coloring Extracts Produced by Fungi Isolated from Brazilian Caves. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	3