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	Clove (Syzygium aromaticum): a precious spice. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 90-96.	1.2	439
2	SLN and NLC for topical, dermal, and transdermal drug delivery. Expert Opinion on Drug Delivery, 2020, 17, 357-377.	5.0	186
3	Spray drying conditions and encapsulating composition effects on formation and properties of sodium diclofenac microparticles. Powder Technology, 2007, 171, 7-14.	4.2	143
4	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
5	Encapsulation of eugenol rich clove extract in solid lipid carriers. Journal of Food Engineering, 2014, 127, 34-42.	5.2	83
6	Volatile Retention and Antifungal Properties of Spray-Dried Microparticles ofLippia sidoidesEssential Oil. Drying Technology, 2008, 26, 1534-1542.	3.1	72
7	Probiotics and prebiotics potential for the care of skin, female urogenital tract, and respiratory tract. Folia Microbiologica, 2020, 65, 245-264.	2.3	63
8	Spray drying microencapsulation of Lippia sidoides extracts in carbohydrate blends. Food and Bioproducts Processing, 2012, 90, 425-432.	3.6	55
9	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
10	Physicochemical Properties of Phytopharmaceutical Preparations as Affected by Drying Methods and Carriers. Drying Technology, 2012, 30, 921-934.	3.1	51
11	Manufacture of Standardized Dried Extracts from Medicinal Brazilian Plants. Drying Technology, 2006, 24, 523-533.	3.1	50
12	Experimental production of annatto powders in spouted bed dryer. Journal of Food Engineering, 2003, 59, 93-97.	5.2	46
13	Antioxidant and antimicrobial activities of Psidium guajava L. spray dried extracts. Industrial Crops and Products, 2014, 60, 39-44.	5.2	46
14	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
15	Storage Conditions for Stability Testing of Pharmaceuticals in Hot and Humid Regions. Drug Development and Industrial Pharmacy, 2007, 33, 393-401.	2.0	42
16	Powder Properties and System Behavior during Spray Drying of Bauhinia forficata Link Extract. Drying Technology, 2006, 24, 735-749.	3.1	41
17	Processing of Rosmarinus officinalis linne extract on spray and spouted bed dryers. Brazilian Journal of Chemical Engineering, 2008, 25, 59-69.	1.3	40
18	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

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19	Lippia sidoides essential oil encapsulated in lipid nanosystem as an anti-Candida agent. Industrial Crops and Products, 2019, 127, 73-81.	5.2	40
20	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
21	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
22	Stability Testing of Spray- and Spouted Bedâ€“Dried Extracts ofPassiflora alata. Drying Technology, 2010, 28, 1255-1265.	3.1	31
23	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
24	Equilibrium Moisture Content Models for Maytenus ilicifolia Leaves. Biosystems Engineering, 2006, 94, 221-228.	4.3	29
25	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
26	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
27	Spouted bed performance on drying of an aromatic plant extract. Powder Technology, 2013, 239, 59-71.	4.2	27
28	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
29	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
30	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
31	Drying of enzyme immobilized on eco-friendly supports. African Journal of Biotechnology, 2015, 14, 3019-3026.	0.6	26
32	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
33	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
34	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
35	Manufacturing Drug Loaded Chitosan Microspheres by Spray Drying: Development, Characterization, and Potential Use in Dentistry. Drying Technology, 2007, 25, 303-310.	3.1	19
36	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

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37	Fluid bed drying and agglomeration of phytopharmaceutical compositions. Powder Technology, 2015, 273, 145-153.	4.2	19
38	Enzymatic Synthesis of Biodiesel Using Immobilized Lipase on a Non-commercial Support. Energy & Fuels, 2016, 30, 4820-4824.	5.1	19
39	Drying of herbal extract in a draftâ€tube spouted bed. Canadian Journal of Chemical Engineering, 2009, 87, 279-288.	1.7	18
40	Study of adsorption isotherms of green coconut pulp. Food Science and Technology, 2013, 33, 68-74.	1.7	18
41	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
42	Production of Dry Extracts of Medicinal Brazilian Plants by Spouted Bed Process. Food and Bioproducts Processing, 2001, 79, 160-168.	3.6	17
43	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
44	Surfactant Mediated Extraction of Antioxidants fromSyzygium aromaticum. Separation Science and Technology, 2015, 50, 207-213.	2.5	17
45	Enzymatic Transesterification of Coconut Oil Using Chitosan-Immobilized Lipase Produced by Fluidized-Bed System. Energy & Fuels, 2017, 31, 12209-12216.	5.1	17
46	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
47	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
48	Immobilized enzyme-driven value enhancement of lignocellulosic-based agricultural byproducts: Application in aroma synthesis. Journal of Cleaner Production, 2021, 284, 124728.	9.3	16
49	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
50	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
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	Drying of Phytochemical Preparations in a Spouted Bed: Perspectives and Challenges. Drying Technology, 2012, 30, 1209-1226.	3.1	15
53	Spouted Bed Drying as a Method for Enzyme Immobilization. Drying Technology, 2013, 31, 1756-1763.	3.1	15
54	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

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55	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
56	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
57	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
58	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
59	Enzyme encapsulation in magnetic chitosan-Fe₃O₄microparticles. Journal of Microencapsulation, 2015, 32, 16-21.	2.8	14
60	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
61	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
62	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
63	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
64	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
65	Microencapsulation of Ketoprofen in Blends of Acrylic Resins by Spray Drying. Drying Technology, 2012, 30, 263-275.	3.1	11
66	Natural Ergot Alkaloids in Ocular Pharmacotherapy: Known Molecules for Novel Nanoparticle-Based Delivery Systems. Biomolecules, 2020, 10, 980.	4.0	11
67	Spray-Dried Proliposomes: an Innovative Method for Encapsulation of Rosmarinus officinalis L. Polyphenols. AAPS PharmSciTech, 2020, 21, 143.	3.3	11
68	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
69	System dynamics and product quality during fluidized bed agglomeration of phytochemical compositions. Powder Technology, 2016, 300, 2-13.	4.2	9
70	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
71	Spouted Bed Dried Rosmarinus officinalis Extract: A Novel Approach for Physicochemical Properties and Antioxidant Activity. Agriculture (Switzerland), 2020, 10, 349.	3.1	9
72	Cyclodextrins-in-Liposomes: A Promising Delivery System for Lippia sidoides and Syzygium aromaticum Essential Oils. Life, 2022, 12, 95.	2.4	9

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73	Evaluation of the Tablet Coating by the Conventional Spouted-Bed Process. Drug Development and Industrial Pharmacy, 2001, 27, 213-219.	2.0	8
74	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
75	Quality changes during spouted bed drying of Pepperâ€Rosmarin extract. Canadian Journal of Chemical Engineering, 2013, 91, 1837-1846.	1.7	7
76	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
77	Spray drying of lipid-based systems loaded with Camellia sinensis polyphenols. Journal of Liposome Research, 2017, 27, 11-20.	3.3	7
78	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
79	Investigation of acoustic signals as a tool for characterizing spouted bed dynamics. Canadian Journal of Chemical Engineering, 2009, 87, 298-307.	1.7	5
80	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
81	Spray-Dried Structured Lipid Carriers for the Loading of Rosmarinus officinalis: New Nutraceutical and Food Preservative. Foods, 2020, 9, 1110.	4.3	5
82	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
83	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
84	Spouted and fluidised bed drying of biomaterials. Stewart Postharvest Review, 0, 4, 1-11.	0.7	3
85	Spray drying of lipid nanosystems (SLN and NLC) loaded with Syzygium aromaticum essential oil. , 0, , .		3
86	BINARY, TERNARY AND QUATERNARY INCLUSION COMPLEXES CONTAININGLippia sidoidesESSENTIAL OIL. Quimica Nova, 2016, , .	0.3	3
87	Spray Drying of Coloring Extracts Produced by Fungi Isolated from Brazilian Caves. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	3
88	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
89	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
90	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

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91	Adhesion strength of soot particles to cellulose ester membranes determined by centrifuge technique. Aerosol Science and Technology, 2021, 55, 167-181.	3.1	2
92	Spray dried proliposomes of Rosmarinus officinalis polyphenols: a quality by design approach. , 0, , .		1
93	Immobilization of Candida rugosa lipase on eco-friendly supports by spouted-bed technology: Use in the synthesis of isoamyl caprylate. , 0, , .		1
94	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
95	Physicochemical and antioxidant properties of spray dried preparations from Psidium guajava L. Planta Medica, 2012, 78, .	1.3	0
96	ENCAPSULAÃ‡ÃƒO DE COMPOSTOS BIOATIVOS DE BIDENS PILOSA L. EM PARTÃCULAS LIPÃDICAS SÃ“LIDAS. , 0, , .		0
97	PROPRIEDADES FÃSICAS E VELOCIDADE MÃNIMA DE FLUIDIZAÃ‡ÃƒO DE PARTÃCULAS SEMENTES EMPREGADAS EM PROCESSOS DE AGLOMERAÃ‡ÃƒO DE PRODUTOS FARMACÃŠUTICOS E ALIMENTÃCIOS. , 0, , .		0
98	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