

# Wanderley Pereira Oliveira

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9267255/publications.pdf>

Version: 2024-02-01

98  
papers

2,683  
citations

218381

26  
h-index

223531

46  
g-index

99  
all docs

99  
docs citations

99  
times ranked

3285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clove ( <i>Syzygium aromaticum</i> ): a precious spice. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 90-96.	0.5	439
2	SLN and NLC for topical, dermal, and transdermal drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 357-377.	2.4	186
3	Spray drying conditions and encapsulating composition effects on formation and properties of sodium diclofenac microparticles. <i>Powder Technology</i> , 2007, 171, 7-14.	2.1	143
4	Spray drying of the soybean extract: Effects on chemical properties and antioxidant activity. <i>LWT - Food Science and Technology</i> , 2008, 41, 1521-1527.	2.5	97
5	Encapsulation of eugenol rich clove extract in solid lipid carriers. <i>Journal of Food Engineering</i> , 2014, 127, 34-42.	2.7	83
6	Volatile Retention and Antifungal Properties of Spray-Dried Microparticles of <i>Lippia sidoides</i> Essential Oil. <i>Drying Technology</i> , 2008, 26, 1534-1542.	1.7	72
7	Probiotics and prebiotics potential for the care of skin, female urogenital tract, and respiratory tract. <i>Folia Microbiologica</i> , 2020, 65, 245-264.	1.1	63
8	Spray drying microencapsulation of <i>Lippia sidoides</i> extracts in carbohydrate blends. <i>Food and Bioproducts Processing</i> , 2012, 90, 425-432.	1.8	55
9	Optimization of spray drying conditions for production of <i>Bidens pilosa</i> L. dried extract. <i>Chemical Engineering Research and Design</i> , 2015, 93, 366-376.	2.7	53
10	Physicochemical Properties of Phytopharmaceutical Preparations as Affected by Drying Methods and Carriers. <i>Drying Technology</i> , 2012, 30, 921-934.	1.7	51
11	Manufacture of Standardized Dried Extracts from Medicinal Brazilian Plants. <i>Drying Technology</i> , 2006, 24, 523-533.	1.7	50
12	Experimental production of annatto powders in spouted bed dryer. <i>Journal of Food Engineering</i> , 2003, 59, 93-97.	2.7	46
13	Antioxidant and antimicrobial activities of <i>Psidium guajava</i> L. spray dried extracts. <i>Industrial Crops and Products</i> , 2014, 60, 39-44.	2.5	46
14	Attainment of Emulsions with Liquid Crystal from Marigold Oil Using the Required HLB Method. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 243-249.	1.3	44
15	Storage Conditions for Stability Testing of Pharmaceuticals in Hot and Humid Regions. <i>Drug Development and Industrial Pharmacy</i> , 2007, 33, 393-401.	0.9	42
16	Powder Properties and System Behavior during Spray Drying of <i>Bauhinia forficata</i> Link Extract. <i>Drying Technology</i> , 2006, 24, 735-749.	1.7	41
17	Processing of <i>Rosmarinus officinalis</i> linne extract on spray and spouted bed dryers. <i>Brazilian Journal of Chemical Engineering</i> , 2008, 25, 59-69.	0.7	40
18	Use of <i>Carnobacterium maltaromaticum</i> cultures and hydroalcoholic extract of <i>Lippia sidoides</i> Cham. against <i>Listeria monocytogenes</i> in fish model systems. <i>International Journal of Food Microbiology</i> , 2011, 146, 228-234.	2.1	40

#	ARTICLE	IF	CITATIONS
19	Lippia sidoides essential oil encapsulated in lipid nanosystem as an anti-Candida agent. <i>Industrial Crops and Products</i> , 2019, 127, 73-81.	2.5	40
20	Polyhydroxy Alcohols and Peach Oil Addition Influence on Liquid Crystal Formation and Rheological Behavior of O/W Emulsions. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 463-468.	1.3	38
21	Bioactive compounds in <i>Bidens pilosa</i> L. populations: a key step in the standardization of phytopharmaceutical preparations. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 28-35.	0.6	38
22	Stability Testing of Spray- and Spouted Bed-dried Extracts of <i>Passiflora alata</i> . <i>Drying Technology</i> , 2010, 28, 1255-1265.	1.7	31
23	Lipase Production by Endophytic Fungus <i>Cercospora kikuchii</i> : Stability of Enzymatic Activity after Spray Drying in the Presence of Carbohydrates. <i>Drying Technology</i> , 2011, 29, 1112-1119.	1.7	30
24	Equilibrium Moisture Content Models for <i>Maytenus ilicifolia</i> Leaves. <i>Biosystems Engineering</i> , 2006, 94, 221-228.	1.9	29
25	Spouted bed drying of <i>Bauhinia forficata</i> link extract: the effects of feed atomizer position and operating conditions on equipment performance and product properties. <i>Brazilian Journal of Chemical Engineering</i> , 2005, 22, 239-247.	0.7	28
26	Enteric coating of soft gelatin capsules by spouted bed: effect of operating conditions on coating efficiency and on product quality. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003, 55, 313-321.	2.0	27
27	Spouted bed performance on drying of an aromatic plant extract. <i>Powder Technology</i> , 2013, 239, 59-71.	2.1	27
28	Technical aspects of the production of dried extract of <i>Maytenus ilicifolia</i> leaves by jet spouted bed drying. <i>International Journal of Pharmaceutics</i> , 2005, 299, 115-126.	2.6	26
29	Influence of PEG-12 Dimethicone addition on stability and formation of emulsions containing liquid crystal. <i>International Journal of Cosmetic Science</i> , 2007, 29, 211-218.	1.2	26
30	Characterization and spray drying of lipase produced by the endophytic fungus <i>Cercospora kikuchii</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 849-858.	0.7	26
31	Drying of enzyme immobilized on eco-friendly supports. <i>African Journal of Biotechnology</i> , 2015, 14, 3019-3026.	0.3	26
32	Effect of process variables on fluid dynamics and adhesion efficiency during spouted bed coating of hard gelatine capsules. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2238-2246.	1.8	23
33	Solid state studies on molecular inclusions of <i>Lippia sidoides</i> essential oil obtained by spray drying. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 95, 855-863.	2.0	22
34	Development of O/W Emulsions with Annatto Oil ( <i>Bixa orellana</i> ) Containing Liquid Crystal. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 591-596.	1.3	20
35	Manufacturing Drug Loaded Chitosan Microspheres by Spray Drying: Development, Characterization, and Potential Use in Dentistry. <i>Drying Technology</i> , 2007, 25, 303-310.	1.7	19
36	Stabilization of Endophytic Fungus <i>Cercospora kikuchii</i> Lipase by Spray Drying in the Presence of Maltodextrin and $\beta$ -Cyclodextrin. <i>Drying Technology</i> , 2010, 28, 1245-1254.	1.7	19

#	ARTICLE	IF	CITATIONS
37	Fluid bed drying and agglomeration of phytopharmaceutical compositions. <i>Powder Technology</i> , 2015, 273, 145-153.	2.1	19
38	Enzymatic Synthesis of Biodiesel Using Immobilized Lipase on a Non-commercial Support. <i>Energy &amp; Fuels</i> , 2016, 30, 4820-4824.	2.5	19
39	Drying of herbal extract in a draft-tube spouted bed. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 279-288.	0.9	18
40	Study of adsorption isotherms of green coconut pulp. <i>Food Science and Technology</i> , 2013, 33, 68-74.	0.8	18
41	Disaccharidase levels in normal epithelium of the small intestine of rats with iron-deficiency anemia. <i>Brazilian Journal of Medical and Biological Research</i> , 1997, 30, 849-854.	0.7	17
42	Production of Dry Extracts of Medicinal Brazilian Plants by Spouted Bed Process. <i>Food and Bioproducts Processing</i> , 2001, 79, 160-168.	1.8	17
43	Evaluation of flow regimes in a semi-cylindrical spouted bed through statistical, mutual information, spectral and Hurst's analysis. <i>Canadian Journal of Chemical Engineering</i> , 2008, 86, 582-597.	0.9	17
44	Surfactant Mediated Extraction of Antioxidants from <i>Syzygium aromaticum</i> . <i>Separation Science and Technology</i> , 2015, 50, 207-213.	1.3	17
45	Enzymatic Transesterification of Coconut Oil Using Chitosan-Immobilized Lipase Produced by Fluidized-Bed System. <i>Energy &amp; Fuels</i> , 2017, 31, 12209-12216.	2.5	17
46	Fluidized bed coating of inert cores with a lipid-based system loaded with a polyphenol-rich <i>Rosmarinus officinalis</i> extract. <i>Food and Bioproducts Processing</i> , 2019, 114, 216-226.	1.8	17
47	Attainment of O/W Emulsions Containing Liquid Crystal from Annatto Oil ( <i>Bixa orellana</i> ), Coffee Oil, and Tea Tree Oil ( <i>Melaleuca alternifolia</i> ) as Oily Phase Using HLB System and Ternary Phase Diagram. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 297-306.	1.3	16
48	Immobilized enzyme-driven value enhancement of lignocellulosic-based agricultural byproducts: Application in aroma synthesis. <i>Journal of Cleaner Production</i> , 2021, 284, 124728.	4.6	16
49	Evaluation of the anti-ulcerogenic activity of a dry extract of <i>Maytenus ilicifolia</i> Martius ex. Reiss produced by a jet spouted bed dryer. <i>Die Pharmazie</i> , 2003, 58, 573-6.	0.3	16
50	THE ROLE OF COLLOIDAL SILICON DIOXIDE IN THE ENHANCEMENT OF THE DRYING OF HERBAL PREPARATIONS IN SUSPENDED STATE. <i>Chemical Engineering Communications</i> , 2008, 196, 391-405.	1.5	15
51	Optimisation of the extraction of phenolic compounds and antioxidant activity from aerial parts of <i>Bidens pilosa</i> L. using response surface methodology. <i>International Journal of Food Science and Technology</i> , 2011, 46, 2420-2427.	1.3	15
52	Drying of Phytochemical Preparations in a Spouted Bed: Perspectives and Challenges. <i>Drying Technology</i> , 2012, 30, 1209-1226.	1.7	15
53	Spouted Bed Drying as a Method for Enzyme Immobilization. <i>Drying Technology</i> , 2013, 31, 1756-1763.	1.7	15
54	Factors Affecting the Retention Efficiency and Physicochemical Properties of Spray Dried Lipid Nanoparticles Loaded with <i>Lippia sidoides</i> Essential Oil. <i>Biomolecules</i> , 2020, 10, 693.	1.8	15

#	ARTICLE	IF	CITATIONS
55	Nanostructured Lipid Carriers Loaded with Lippia sidoides Essential Oil as a Strategy to Combat the Multidrug-Resistant Candida auris. <i>Pharmaceutics</i> , 2022, 14, 180.	2.0	15
56	In Vitro Dissolution Studies of Sodium Diclofenac Granules Coated with Eudragit L-30D-55Â® by Fluidized-Bed System. <i>Drug Development and Industrial Pharmacy</i> , 2006, 32, 661-667.	0.9	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. <i>Canadian Journal of Chemical Engineering</i> , 2004, 82, 122-133.	0.9	14
58	Antioxidant activity and physical-chemical properties of spray and spouted bed dried extracts of Bauhinia forficata. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2009, 45, 209-218.	1.2	14
59	Enzyme encapsulation in magnetic chitosan-Fe <sub>3</sub> O <sub>4</sub> microparticles. <i>Journal of Microencapsulation</i> , 2015, 32, 16-21.	1.2	14
60	Assessment of Antioxidant Activity of Spray Dried Extracts of <i>Psidium guajava</i> Leaves by DPPH and Chemiluminescence Inhibition in Human Neutrophils. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	13
61	Retention of the Enzymatic Activity and Product Properties During Spray Drying of Pineapple Stem Extract in Presence of Maltodextrin. <i>International Journal of Food Properties</i> , 2009, 12, 536-548.	1.3	12
62	Immobilization of Lipases Produced by the Endophytic Fungus <i>Cercospora kikuchii</i> on Chitosan Microparticles. <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 578-586.	0.5	12
63	Thermal properties and release of Lippia sidoides essential oil from gum arabic/maltodextrin microparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 94, 461-467.	2.0	11
64	Identification of the state of a wet spouted bed through timeâ€frequency analysis of pressure fluctuation time series. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 289-297.	0.9	11
65	Microencapsulation of Ketoprofen in Blends of Acrylic Resins by Spray Drying. <i>Drying Technology</i> , 2012, 30, 263-275.	1.7	11
66	Natural Ergot Alkaloids in Ocular Pharmacotherapy: Known Molecules for Novel Nanoparticle-Based Delivery Systems. <i>Biomolecules</i> , 2020, 10, 980.	1.8	11
67	Spray-Dried Proliposomes: an Innovative Method for Encapsulation of Rosmarinus officinalis L. Polyphenols. <i>AAPS PharmSciTech</i> , 2020, 21, 143.	1.5	11
68	Phytase Production by <i>Rhizopus microsporus</i> var. <i>microsporus</i> Biofilm: Characterization of Enzymatic Activity After Spray Drying in Presence of Carbohydrates and Nonconventional Adjuvants. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 177-187.	0.9	10
69	System dynamics and product quality during fluidized bed agglomeration of phytochemical compositions. <i>Powder Technology</i> , 2016, 300, 2-13.	2.1	9
70	Green tea supplementation upregulates uncoupling protein 3 expression in severe obese women adipose tissue but does not promote weight loss. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 995-1002.	1.3	9
71	Spouted Bed Dried Rosmarinus officinalis Extract: A Novel Approach for Physicochemical Properties and Antioxidant Activity. <i>Agriculture (Switzerland)</i> , 2020, 10, 349.	1.4	9
72	Cyclodextrins-in-Liposomes: A Promising Delivery System for Lippia sidoides and Syzygium aromaticum Essential Oils. <i>Life</i> , 2022, 12, 95.	1.1	9

#	ARTICLE	IF	CITATIONS
73	Evaluation of the Tablet Coating by the Conventional Spouted-Bed Process. Drug Development and Industrial Pharmacy, 2001, 27, 213-219.	0.9	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.	1.7	7
75	Quality changes during spouted bed drying of Pepper-Rosmarin extract. Canadian Journal of Chemical Engineering, 2013, 91, 1837-1846.	0.9	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.	1.3	7
77	Spray drying of lipid-based systems loaded with <i>Camellia sinensis</i> polyphenols. Journal of Liposome Research, 2017, 27, 11-20.	1.5	7
78	Stabilization and application of spray-dried tannase from <i>Aspergillus fumigatus</i> CAS21 in the presence of different carriers. 3 Biotech, 2020, 10, 177.	1.1	7
79	Investigation of acoustic signals as a tool for characterizing spouted bed dynamics. Canadian Journal of Chemical Engineering, 2009, 87, 298-307.	0.9	5
80	Extracellular $\beta$ -fructofuranosidase from <i>Fusarium graminearum</i> : stability of the spray-dried enzyme in the presence of different carbohydrates. Journal of Microencapsulation, 2013, 30, 624-631.	1.2	5
81	Spray-Dried Structured Lipid Carriers for the Loading of <i>Rosmarinus officinalis</i> : New Nutraceutical and Food Preservative. Foods, 2020, 9, 1110.	1.9	5
82	Influência do processo de secagem e condição de armazenamento de extratos secos de <i>Bauhinia forficata</i> e <i>Passiflora alata</i> sobre seu perfil de dissolução. Revista Brasileira De Plantas Mediciniais, 2015, 17, 67-75.	0.3	3
83	Immobilization of Lipases Produced by the Endophytic Fungus <i>Cercospora kikuchii</i> 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 <i>Syzygium aromaticum</i> essential oil. , 0, , .		3
86	BINARY, TERNARY AND QUATERNARY INCLUSION COMPLEXES CONTAINING <i>Lippia sidoides</i> ESSENTIAL 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.	1.7	2
89	Stability testing and shelf life prediction of a spouted bed dried phytopharmaceutical preparation from <i>Maytenus ilicifolia</i> . Canadian Journal of Chemical Engineering, 2013, 91, 1847-1855.	0.9	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.	1.1	2

#	ARTICLE	IF	CITATIONS
91	Adhesion strength of soot particles to cellulose ester membranes determined by centrifuge technique. <i>Aerosol Science and Technology</i> , 2021, 55, 167-181.	1.5	2
92	Spray dried proliposomes of <i>Rosmarinus officinalis</i> polyphenols: a quality by design approach. , 0, , .		1
93	Immobilization of <i>Candida rugosa</i> lipase on eco-friendly supports by spouted-bed technology: Use in the synthesis of isoamyl caprylate. , 0, , .		1
94	Antimalarial Activity of <i>Bidens pilosa</i> Root Extract Co-spray Dried in the Presence of $\beta$ -Cyclodextrin or Aerosil:Microcrystalline Cellulose Blend. <i>Planta Medica International Open</i> , 2021, 8, e1-e9.	0.3	0
95	Physicochemical and antioxidant properties of spray dried preparations from <i>Psidium guajava</i> L. <i>Planta Medica</i> , 2012, 78, .	0.7	0
96	ENCAPSULAÇÃO DE COMPOSTOS BIOATIVOS DE <i>BIDENS PILOSA</i> L. EM PARTÍCULAS LIPÍDICAS SÓLIDAS. , 0, , .		0
97	PROPRIEDADES FÍSICAS E VELOCIDADE MÍNIMA DE FLUIDIZAÇÃO DE PARTÍCULAS SEMENTES EMPREGADAS EM PROCESSOS DE AGLOMERAÇÃO DE PRODUTOS FARMACÊUTICOS E ALIMENTÍCIOS. , 0, , .		0
98	AVALIAÇÃO DE DIFERENTES MÉTODOS DE SECAGEM DE BIOCATALISADORES OBTIDOS PELA IMOBILIZAÇÃO DA LIPASE DE <i>Candida rugosa</i> EM COPOLÂMEROS MAGNÉTICOS. , 0, , .		0