

# Leandro Oliveira

## List of Publications by Year in descending order

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99  
papers

4,075  
citations

101384

36  
h-index

123241

61  
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103  
all docs

103  
docs citations

103  
times ranked

4479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Uses of Spent Coffee Grounds in the Food Industry. <i>Foods</i> , 2022, 11, 2064.	1.9	19
2	Development and characterization of biopolymeric films of galactomannans recovered from spent coffee grounds. <i>Journal of Food Engineering</i> , 2021, 289, 110083.	2.7	22
3	Comparative evaluation of conventional and microwave assisted epoxidation of soybean oil with citric acid, acetic acid using homogeneous and heterogeneous catalysis. <i>Brazilian Journal of Chemical Engineering</i> , 2021, 38, 327.	0.7	5
4	Profile of bioactive compounds in pequi ( <i>Caryocar brasiliense</i> Camb.) peel flours. <i>Food Chemistry</i> , 2021, 350, 129221.	4.2	9
5	The Effect of Variations in Fresh-Cut Apple Composition on the Performance of Polyvinyl Chloride Active Films. <i>Food and Bioprocess Technology</i> , 2021, 14, 352-361.	2.6	3
6	Chemical Characterization and Bioaccessibility Assessment of Bioactive Compounds from Umbu ( <i>Spondias tuberosa</i> A.) Fruit Peel and Pulp Flours. <i>Foods</i> , 2021, 10, 2597.	1.9	9
7	Chemical Characterization of Coffee Husks, a By-Product of <i>Coffea arabica</i> Production. <i>Foods</i> , 2021, 10, 3125.	1.9	28
8	FTIR and Chemometrics as Effective Tools in Predicting the Quality of Specialty Coffees. <i>Food Analytical Methods</i> , 2020, 13, 275-283.	1.3	19
9	Polysaccharide-rich fraction of spent coffee grounds as promising biomaterial for films fabrication. <i>Carbohydrate Polymers</i> , 2020, 233, 115851.	5.1	24
10	Characterization of jabuticaba ( <i>Plinia cauliflora</i> ) peel flours and prediction of compounds by FTIR analysis. <i>LWT - Food Science and Technology</i> , 2020, 133, 110135.	2.5	16
11	Use of Safe Substances as Additives for PVC Films and Their Effect on Enzymatic Browning of Gala Apples. <i>Food and Bioprocess Technology</i> , 2020, 13, 1380-1391.	2.6	5
12	Buriti ( <i>Mauritia flexuosa</i> L. f.) fruit by-products flours: Evaluation as source of dietary fibers and natural antioxidants. <i>Food Chemistry</i> , 2019, 270, 53-60.	4.2	70
13	Sulfonated activated carbon from corn cobs as heterogeneous catalysts for biodiesel production using microwave-assisted transesterification. <i>Renewable Energy</i> , 2019, 143, 1710-1716.	4.3	97
14	Attenuated Total Reflectance Fourier Transform Spectroscopy (ATR-FTIR) and chemometrics for discrimination of espresso coffees with different sensory characteristics. <i>Food Chemistry</i> , 2019, 273, 178-185.	4.2	27
15	Sustainable synthesis of epoxidized waste cooking oil and its application as a plasticizer for polyvinyl chloride films. <i>European Polymer Journal</i> , 2018, 99, 142-149.	2.6	65
16	Potential of pequi ( <i>Caryocar brasiliense</i> Camb.) peels as sources of highly esterified pectins obtained by microwave assisted extraction. <i>LWT - Food Science and Technology</i> , 2018, 87, 575-580.	2.5	37
17	Variable Selection Applied to the Development of a Robust Method for the Quantification of Coffee Blends Using Mid Infrared Spectroscopy. <i>Food Analytical Methods</i> , 2018, 11, 578-588.	1.3	22
18	Mid infrared spectroscopy and chemometrics as tools for the classification of roasted coffees by cup quality. <i>Food Chemistry</i> , 2018, 245, 1052-1061.	4.2	66

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19	How To Detect Coffee Fraud By Quantifying Robusta In Arabica Coffee Blends. , 2018, , .		0
20	Physicochemical characterization, antioxidant capacity, total phenolic and proanthocyanidin content of flours prepared from pequi (Caryocar brasiliense Camb.) fruit by-products. Food Chemistry, 2017, 225, 146-153.	4.2	89
21	Fluorescence spectroscopy as tool for the geographical discrimination of coffees produced in different regions of Minas Gerais State in Brazil. Food Control, 2017, 77, 25-31.	2.8	39
22	Simultaneous Detection of Multiple Adulterants in Ground Roasted Coffee by ATR-FTIR Spectroscopy and Data Fusion. Food Analytical Methods, 2017, 10, 2700-2709.	1.3	36
23	Preparation, preliminary characterization and mechanical properties of epoxy composites reinforced with spent coffee grounds. , 2017, , .		3
24	Feasibility of biodiesel production in a continuous flow microwave reactor with static mixing. , 2017, , .		4
25	Concomitant Use of Fourier Transform Infrared Attenuated Total Reflectance Spectroscopy and Chemometrics for Quantification of Multiple Adulterants in Roasted and Ground Coffee. Journal of Spectroscopy, 2016, 2016, 1-7.	0.6	17
26	FTMIR-PLS as a promising method for rapid detection of adulteration by waste whey in raw milk. Dairy Science and Technology, 2016, 96, 123-131.	2.2	7
27	Potential of Diffuse Reflectance Infrared Fourier Transform Spectroscopy and Chemometrics for Coffee Quality Evaluation. International Journal of Electrical Energy, 2016, , .	0.4	4
28	Comparative Evaluation of Acid and Basic Thermo-Chemical Treatments in the Production of Adsorbents Based on Biodiesel Production Solid Residue. International Journal of Environmental Science and Development, 2016, 7, 234-239.	0.2	1
29	Effect of Peroxide Treatment on Functional and Technological Properties of Fiber-Rich Powders Based on Spent Coffee Grounds. International Journal of Electrical Energy, 2016, , .	0.4	1
30	Melanoidin Removal Mechanism in An Aqueous Adsorption System: An Equilibrium, Kinetic and Thermodynamic Study. Recent Patents on Food, Nutrition & Agriculture, 2015, 7, 35-46.	0.5	2
31	A Practical Solution for Reducing Critical Height in Drain Sink Problem during Ladle Teeming Process. Applied Mechanics and Materials, 2015, 798, 180-184.	0.2	0
32	REMOVAL OF WATER CONTENT FROM BIODIESEL AND DIESEL FUEL USING HYDROGEL ADSORBENTS. Brazilian Journal of Chemical Engineering, 2015, 32, 895-901.	0.7	42
33	Spectroscopic Methods for Chemometric Identification of Defective and Nondefective Coffees. , 2015, , 943-952.		1
34	New heterogeneous catalyst for the esterification of fatty acid produced by surface aromatization/sulfonation of oilseed cake. Fuel, 2015, 150, 408-414.	3.4	66
35	Development and analytical validation of a screening method for simultaneous detection of five adulterants in raw milk using mid-infrared spectroscopy and PLS-DA. Food Chemistry, 2015, 181, 31-37.	4.2	178
36	Circulation flow reactor with ultrasound irradiation for the transesterification of vegetable oils. Renewable Energy, 2015, 83, 1059-1065.	4.3	7

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37	An Overview of the Potential Uses for Coffee Husks. , 2015, , 283-291.		54
38	Fourier transform infrared spectroscopy and near infrared spectroscopy for the quantification of defects in roasted coffees. Talanta, 2015, 134, 379-386.	2.9	53
39	Comparison of Microwave Assisted Thermo-Chemical Procedures in the Production of Adsorbents for Wastewater Treatment. International Journal of Environmental Science and Development, 2015, 6, 888-894.	0.2	3
40	FTIR Analysis for Quantification of Fatty Acid Methyl Esters in Biodiesel Produced by Microwave-Assisted Transesterification. International Journal of Environmental Science and Development, 2015, 6, 964-969.	0.2	113
41	Batch and Column Studies of Phenol Adsorption by an Activated Carbon Based on Acid Treatment of Corn Cobs. International Journal of Engineering and Technology, 2015, 7, 459-464.	0.1	29
42	Characterization and Modeling of Ladle Teeming Process. Advanced Materials Research, 2014, 1016, 65-69.	0.3	1
43	Comparative Evaluation of Activated Carbons Prepared by Thermo-Chemical Activation of Lignocellulosic Residues Aiming at Phenol Removal. Advanced Materials Research, 2014, 1016, 309-314.	0.3	1
44	Application of elastic net and infrared spectroscopy in the discrimination between defective and non-defective roasted coffees. Talanta, 2014, 128, 393-400.	2.9	54
45	POTENTIAL USE OF Crambe abyssinica PRESS CAKE AS AN ADSORBENT: BATCH AND CONTINUOUS STUDIES. Environmental Engineering and Management Journal, 2014, 13, 3025-3036.	0.2	5
46	Performance of diffuse reflectance infrared Fourier transform spectroscopy and chemometrics for detection of multiple adulterants in roasted and ground coffee. LWT - Food Science and Technology, 2013, 53, 395-401.	2.5	51
47	Quantitative evaluation of multiple adulterants in roasted coffee by Diffuse Reflectance Infrared Fourier Transform Spectroscopy (DRIFTS) and chemometrics. Talanta, 2013, 115, 563-568.	2.9	57
48	Discrimination between roasted coffee, roasted corn and coffee husks by Diffuse Reflectance Infrared Fourier Transform Spectroscopy. LWT - Food Science and Technology, 2013, 50, 715-722.	2.5	90
49	Removal of phenylalanine from aqueous solutions with thermo-chemically modified corn cobs as adsorbents. LWT - Food Science and Technology, 2013, 51, 1-8.	2.5	29
50	Evaluation of an Adsorbent Based on Agricultural Waste (Corn Cobs) for Removal of Tyrosine and Phenylalanine from Aqueous Solutions. BioMed Research International, 2013, 2013, 1-8.	0.9	17
51	CFD Modeling and Simulation of Transesterification Reactions of Vegetable Oils with an Alcohol in Baffled Stirred Tank Reactors. Applied Mechanics and Materials, 2013, 390, 86-90.	0.2	7
52	Discrimination between defective and non-defective roasted coffees by diffuse reflectance infrared Fourier transform spectroscopy. LWT - Food Science and Technology, 2012, 47, 505-511.	2.5	58
53	Evaluation of the performance of an agricultural residue-based activated carbon aiming at removal of phenylalanine from aqueous solutions. LWT - Food Science and Technology, 2012, 49, 155-161.	2.5	24
54	LED Phototherapy Improves Healing of Nipple Trauma: A Pilot Study. Photomedicine and Laser Surgery, 2012, 30, 172-178.	2.1	29

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55	Evaluation of the potential of FTIR and chemometrics for separation between defective and non-defective coffees. <i>Food Chemistry</i> , 2012, 132, 1368-1374.	4.2	87
56	Adsorption of methylene blue onto carbons made of residues from the biodiesel industry. <i>International Journal of Sustainable Development and Planning</i> , 2012, 7, 446-456.	0.3	5
57	Use of <i>Raphanus sativus L.</i> press cake, a solid residue from biodiesel processing, in the production of adsorbents by microwave activation. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1073-1083.	1.2	15
58	Discrimination between Immature and Mature Green Coffees by Attenuated Total Reflectance and Diffuse Reflectance Fourier Transform Infrared Spectroscopy. <i>Journal of Food Science</i> , 2011, 76, C1162-8.	1.5	30
59	Malachite Green Adsorption by a Residue-based Microwave-activated Adsorbent. <i>Clean - Soil, Air, Water</i> , 2010, 38, 843-849.	0.7	16
60	Microwave assisted thermal treatment of defective coffee beans press cake for the production of adsorbents. <i>Bioresource Technology</i> , 2010, 101, 1068-1074.	4.8	71
61	Malachite green adsorption by mango ( <i>Mangifera indica</i> L.) seed husks: Kinetic, equilibrium and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2010, 19, 241-248.	1.0	33
62	Error Estimation and Adaptivity in Numerical Methods Applied to Transport Phenomena in Food Systems A paper from the State-of-the-Art in Application of Finite Element Numerical Solutions to Engineering Problems: A Session Honoring Pioneering Contributions. , 2009, , .		0
63	Feasibility of ethanol production from coffee husks. <i>Biotechnology Letters</i> , 2009, 31, 1315-1319.	1.1	133
64	Evaluation of the potential of SPME-GC-MS and chemometrics to detect adulteration of ground roasted coffee with roasted barley. <i>Journal of Food Composition and Analysis</i> , 2009, 22, 257-261.	1.9	77
65	A preliminary evaluation of the effect of processing temperature on coffee roasting degree assessment. <i>Journal of Food Engineering</i> , 2009, 92, 345-352.	2.7	94
66	Physical characterization of non-defective and defective Arabica and Robusta coffees before and after roasting. <i>Journal of Food Engineering</i> , 2009, 92, 474-479.	2.7	47
67	Kinetics and equilibrium studies of methylene blue adsorption by spent coffee grounds. <i>Desalination</i> , 2009, 249, 267-272.	4.0	280
68	Activated carbons from waste biomass: An alternative use for biodiesel production solid residues. <i>Bioresource Technology</i> , 2009, 100, 1786-1792.	4.8	122
69	ALTERNATIVE USES FOR COFFEE HUSKS " A SOLID WASTE FROM GREEN COFFEE PRODUCTION. , 2009, , .		2
70	DESIGN AND OPERATION OF A MOBILE BIODIESEL PRODUCTION UNIT. , 2009, , .		1
71	USE OF <i>CRAMBE ABYSSINICA</i> PRESS CAKE AS A BIOSORBENT FOR WASTEWATER TREATMENT. , 2009, , .		2
72	Untreated coffee husks as biosorbents for the removal of heavy metals from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2008, 152, 1073-1081.	6.5	239

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73	Evaluation of untreated coffee husks as potential biosorbents for treatment of dye contaminated waters. <i>Journal of Hazardous Materials</i> , 2008, 155, 507-512.	6.5	275
74	Coffee oil as a potential feedstock for biodiesel production. <i>Bioresource Technology</i> , 2008, 99, 3244-3250.	4.8	133
75	Discrimination between defective and non-defective Brazilian coffee beans by their volatile profile. <i>Food Chemistry</i> , 2008, 106, 787-796.	4.2	84
76	Chemical characterisation of non-defective and defective green arabica and robusta coffees by electrospray ionization-mass spectrometry (ESI-MS). <i>Food Chemistry</i> , 2008, 111, 490-497.	4.2	43
77	Low cost food waste-based adsorbent for the removal of phenylalanine from aqueous solutions. <i>Journal of Biotechnology</i> , 2008, 136, S468.	1.9	0
78	Feasibility of ethanol production from coffee husks. <i>Journal of Biotechnology</i> , 2008, 136, S269.	1.9	6
79	Activated carbons based on solid residues from coffee biodiesel production. <i>Journal of Biotechnology</i> , 2008, 136, S654-S655.	1.9	2
80	A comparative evaluation of methodologies for water content determination in green coffee. <i>LWT - Food Science and Technology</i> , 2007, 40, 1300-1303.	2.5	11
81	Fresh coffee husks as potential sources of anthocyanins. <i>LWT - Food Science and Technology</i> , 2007, 40, 1555-1560.	2.5	66
82	Proximate composition and fatty acids profile of green and roasted defective coffee beans. <i>LWT - Food Science and Technology</i> , 2006, 39, 235-239.	2.5	97
83	Transverse flow of coffee beans in rotating roasters. <i>Journal of Food Engineering</i> , 2006, 75, 142-148.	2.7	7
84	Physical and chemical attributes of defective crude and roasted coffee beans. <i>Food Chemistry</i> , 2005, 90, 89-94.	4.2	105
85	Adaptivity for finite volume on unstructured triangular meshes: a study of thermal injury in teeth. <i>International Journal for Numerical Methods in Engineering</i> , 2004, 61, 1625-1643.	1.5	2
86	ERROR ESTIMATION AND ADAPTIVITY FOR FINITE-VOLUME METHODS ON UNSTRUCTURED TRIANGULAR MESHES: ELLIPTIC HEAT TRANSFER PROBLEMS. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2002, 42, 461-483.	0.6	8
87	A preliminary study on the feasibility of using the composition of coffee roasting exhaust gas for the determination of the degree of roast. <i>Journal of Food Engineering</i> , 2001, 47, 241-246.	2.7	92
88	Modeling and simulation of petroleum coke calcination in rotary kilns. <i>Fuel</i> , 2001, 80, 1611-1622.	3.4	49
89	BIXIN POWDER PRODUCTION IN CONICAL SPOUTED BED UNITS. <i>Drying Technology</i> , 1998, 16, 1855-1879.	1.7	18
90	CONJUGATE HEAT AND MASS TRANSFER IN CONVECTIVE DRYING OF POROUS MEDIA. <i>Numerical Heat Transfer; Part A: Applications</i> , 1998, 34, 105-117.	1.2	38

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91	CONJUGATE HEAT AND MASS TRANSFER IN CONVECTIVE DRYING OF MULTIPARTICLE SYSTEMS. PART I: THEORETICAL CONSIDERATIONS. <i>Drying Technology</i> , 1998, 16, 433-461.	1.7	7
92	CONJUGATE HEAT AND MASS TRANSFER IN CONVECTIVE DRYING OF MULTIPARTICLE SYSTEMS PART II: SOYBEAN DRYING. <i>Drying Technology</i> , 1998, 16, 463-483.	1.7	13
93	The Application of Adaptive Finite Element Analysis to Heat and Mass Transfer Problems. <i>Biosystems Engineering</i> , 1995, 62, 49-59.	0.4	2
94	A new unified a posteriori error estimator for adaptive finite element analysis of coupled transport problems. <i>International Journal of Heat and Mass Transfer</i> , 1995, 38, 2809-2819.	2.5	6
95	An Adaptive Approach to Finite Element Modeling of Drying Problems. <i>Drying Technology</i> , 1995, 13, 1167-1185.	1.7	8
96	CONJUGATE ANALYSIS OF NATURAL CONVECTIVE DRYING OF BIOLOGICAL MATERIALS. <i>Drying Technology</i> , 1994, 12, 1167-1190.	1.7	15
97	Preparation and Characterization of Activated Carbons Based on Lignocellulosic Residues. <i>Advanced Materials Research</i> , 0, 856, 69-73.	0.3	4
98	Epoxidized Vegetable Oil as a Sustainable Ingredient in Welding Electrode Coatings. <i>Advanced Materials Research</i> , 0, 856, 87-91.	0.3	2
99	Epoxy Resin as a Binder in the Preparation of Rutile Coated Electrodes. <i>Applied Mechanics and Materials</i> , 0, 798, 419-423.	0.2	2