

Giovana Domeneghini Mercali

List of Publications by Year in descending order

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29
papers

1,198
citations

430754

18
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501076

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docs citations

29
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation kinetics of anthocyanins in acerola pulp: Comparison between ohmic and conventional heat treatment. <i>Food Chemistry</i> , 2013, 136, 853-857.	4.2	97
2	Ascorbic acid degradation and color changes in acerola pulp during ohmic heating: Effect of electric field frequency. <i>Journal of Food Engineering</i> , 2014, 123, 1-7.	2.7	89
3	Evaluation of water, sucrose and NaCl effective diffusivities during osmotic dehydration of banana (<i>Musa sapientum</i> , shum.). <i>LWT - Food Science and Technology</i> , 2011, 44, 82-91.	2.5	85
4	Extraction of valuable compounds from <i>Arthrospira platensis</i> using pulsed electric field treatment. <i>Bioresource Technology</i> , 2019, 283, 207-212.	4.8	80
5	Metabolomics: An analytical technique for food processing evaluation. <i>Food Chemistry</i> , 2022, 366, 130685.	4.2	79
6	Evaluation of non-thermal effects of electricity on anthocyanin degradation during ohmic heating of jaboticaba (<i>Myrciaria cauliflora</i>) juice. <i>Food Chemistry</i> , 2015, 171, 200-205.	4.2	75
7	Influence of moderate electric field on inactivation kinetics of peroxidase and polyphenol oxidase and on phenolic compounds of sugarcane juice treated by ohmic heating. <i>LWT - Food Science and Technology</i> , 2016, 74, 396-403.	2.5	74
8	Carotenoid and lipid extraction from <i>Heterochlorella luteoviridis</i> using moderate electric field and ethanol. <i>Process Biochemistry</i> , 2016, 51, 1636-1643.	1.8	71
9	Ultrasound as an alternative technology to extract carotenoids and lipids from <i>Heterochlorella luteoviridis</i> . <i>Bioresource Technology</i> , 2017, 224, 753-757.	4.8	68
10	Study of vitamin C degradation in acerola pulp during ohmic and conventional heat treatment. <i>LWT - Food Science and Technology</i> , 2012, 47, 91-95.	2.5	64
11	Phycocyanin from <i>Spirulina</i> : A review of extraction methods and stability. <i>Food Research International</i> , 2021, 143, 110314.	2.9	58
12	Effect of ohmic heating parameters on peroxidase inactivation, phenolic compounds degradation and color changes of sugarcane juice. <i>Food and Bioproducts Processing</i> , 2018, 111, 62-71.	1.8	48
13	Evaluation of non-thermal effects of electricity on ascorbic acid and carotenoid degradation in acerola pulp during ohmic heating. <i>Food Chemistry</i> , 2016, 199, 128-134.	4.2	43
14	Physical properties of acerola and blueberry pulps. <i>Journal of Food Engineering</i> , 2011, 106, 283-289.	2.7	35
15	Mass transfer kinetics during osmotic dehydration of bananas (<i>Musa sapientum</i> , <i>shum.</i>). <i>International Journal of Food Science and Technology</i> , 2010, 45, 2281-2289.	1.3	30
16	Evaluation of key parameters during construction and operation of an ohmic heating apparatus. <i>Innovative Food Science and Emerging Technologies</i> , 2013, 18, 145-154.	2.7	30
17	Effect of the Electric Field Frequency on Ascorbic Acid Degradation during Thermal Treatment by Ohmic Heating. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5865-5870.	2.4	27
18	Phenolic profile of sugarcane juice: Effects of harvest season and processing by ohmic heating and ultrasound. <i>Food Chemistry</i> , 2021, 347, 129058.	4.2	23

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19	Advanced Technologies Applied to Enhance Properties and Structure of Films and Coatings: a Review. Food and Bioprocess Technology, 2022, 15, 1224-1247.	2.6	23
20	Ultrasound application for quality improvement of beef Biceps femoris physicochemical characteristics. LWT - Food Science and Technology, 2020, 118, 108817.	2.5	17
21	Effect of moderate electric field on peroxidase activity, phenolic compounds and color during ohmic heating of sugarcane juice. Journal of Food Processing and Preservation, 2019, 43, e14254.	0.9	15
22	Thermosonication for peroxidase inactivation in sugarcane juice. LWT - Food Science and Technology, 2021, 140, 110730.	2.5	14
23	Influence of ohmic heating on commercial peroxidase and sugarcane juice peroxidase inactivation. Journal of Food Engineering, 2020, 284, 110066.	2.7	13
24	Effect of moderate electric field on the properties of gelatin capsule residue-based films. Food Hydrocolloids, 2019, 89, 29-35.	5.6	11
25	Evaluation of nonthermal effects of electricity on inactivation kinetics of Staphylococcus aureus and Escherichia coli during ohmic heating of infant formula. Journal of Food Safety, 2018, 38, e12372.	1.1	9
26	OSMOTIC DEHYDRATION OF BANANAS (<i>MUSA SAPIENTUM</i> , SHUM.) IN TERNARY AQUEOUS SOLUTIONS OF SUCROSE AND SODIUM CHLORIDE. Journal of Food Process Engineering, 2012, 35, 149-165.	1.5	8
27	The effect of temperature and moderate electric field pre-treatment on carotenoid extraction from <i>Heterochlorella luteoviridis</i> . International Journal of Food Science and Technology, 2019, 54, 396-402.	1.3	8
28	Increase of mass transfer rates during osmotic dehydration of apples by application of moderate electric field. International Journal of Food Engineering, 2021, 17, 199-208.	0.7	2
29	Effect of OHMIC heating and ultrasound on functional properties of biodegradable gelatin-based films. Polymer Engineering and Science, 0, , .	1.5	2