

List of Publications by Year in descending order

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51
papers

1,599
citations

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39
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52
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docs citations

52
times ranked

1432
citing authors

#	ARTICLE	IF	CITATIONS
1	High intensity ultrasound effects on meat brining. <i>Meat Science</i> , 2007, 76, 611-619.	5.5	181
2	Modelling of broccoli stems rehydration process. <i>Journal of Food Engineering</i> , 1999, 42, 27-31.	5.2	78
3	Water and salt diffusion during cheese ripening: effect of the external and internal resistances to mass transfer. <i>Journal of Food Engineering</i> , 2001, 48, 269-275.	5.2	68
4	Sorption Isothermic Heat Determination by Thermal Analysis and Sorption Isotherms. <i>Journal of Food Science</i> , 1999, 64, 64-68.	3.1	66
5	Rehydration process of <i>Boletus edulis</i> mushroom: characteristics and modelling. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1397-1404.	3.5	64
6	Enthalpy-driven optimization of intermittent drying of <i>Mangifera indica</i> L.. <i>Chemical Engineering Research and Design</i> , 2009, 87, 885-898.	5.6	64
7	EFFECT OF SHAPE ON POTATO AND CAULIFLOWER SHRINKAGE DURING DRYING. <i>Drying Technology</i> , 2000, 18, 1201-1219.	3.1	56
8	Influence of high-intensity ultrasound on drying kinetics in fixed beds of high porosity. <i>Journal of Food Engineering</i> , 2014, 127, 93-102.	5.2	51
9	Mathematical Modeling of Drying Kinetics for Apricots: Influence of the External Resistance to Mass Transfer. <i>Drying Technology</i> , 2007, 25, 1829-1835.	3.1	46
10	Enthalpy-Driven Optimization of Intermittent Drying. <i>Drying Technology</i> , 2007, 25, 523-532.	3.1	46
11	Effect of Blanching and Air Flow Rate on Turmeric Drying. <i>Food Science and Technology International</i> , 2006, 12, 315-323.	2.2	45
12	Thermophysical properties of mango pulp (<i>Mangifera indica</i> L. cv. Tommy Atkins). <i>Journal of Food Engineering</i> , 2010, 97, 563-568.	5.2	42
13	Drying characteristics of hemispherical solids. <i>Journal of Food Engineering</i> , 1997, 34, 109-122.	5.2	41
14	Computer modelling of an impedance-controlled pulsing protocol for RF tumour ablation with a cooled electrode. <i>International Journal of Hyperthermia</i> , 2016, 32, 931-939.	2.5	39
15	Review: Low intensity ultrasonics in food technology / Revisi3n: Ultrasonidos de baja intensidad en tecnologÃa de alimentos. <i>Food Science and Technology International</i> , 1999, 5, 285-297.	2.2	37
16	Modelling drying kinetics of thyme (<i>Thymus vulgaris</i> L.): Theoretical and empirical models, and neural networks. <i>Food Science and Technology International</i> , 2014, 20, 13-22.	2.2	34
17	Moisture profiles in cheese drying determined by TD-NMR: Mathematical modeling of mass transfer. <i>Journal of Food Engineering</i> , 2011, 104, 525-531.	5.2	33
18	Optimization of the antioxidant capacity of thyme (<i>Thymus vulgaris</i> L.) extracts: Management of the convective drying process assisted by power ultrasound. <i>Journal of Food Engineering</i> , 2013, 119, 793-799.	5.2	32

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19	Drying modelling of defrosted pork meat under forced convection conditions. <i>Meat Science</i> , 2011, 88, 374-378.	5.5	27
20	Simulation and optimization of milk pasteurization processes using a general process simulator (ProSimPlus). <i>Computers and Chemical Engineering</i> , 2010, 34, 414-420.	3.8	23
21	Changes in the quality of dehydrated broccoli florets during storage. <i>Journal of Food Engineering</i> , 2004, 62, 15-21.	5.2	22
22	Ultrasonic assessment of fresh cheese composition. <i>Journal of Food Engineering</i> , 2011, 103, 137-146.	5.2	22
23	Effect of temperature on nitrite and water diffusion in pork meat. <i>Journal of Food Engineering</i> , 2015, 149, 188-194.	5.2	22
24	Ultrasonic Velocity in Cheddar Cheese as Affected by Temperature. <i>Journal of Food Science</i> , 1999, 64, 1038-1041.	3.1	21
25	Determination of Shrinkage Function for Pork Meat Drying. <i>Drying Technology</i> , 2009, 27, 143-148.	3.1	21
26	Optimization of the antioxidant capacity of thyme (<i>Thymus vulgaris</i> L.) extracts: Management of the drying process. <i>Industrial Crops and Products</i> , 2013, 46, 258-263.	5.2	20
27	Moisture dependence on mechanical properties of pine nuts from <i>Pinus pinea</i> L.. <i>Journal of Food Engineering</i> , 2012, 110, 294-297.	5.2	17
28	Optimisation of the addition of carrot dietary fibre to a dry fermented sausage (sobrassada) using artificial neural networks. <i>Meat Science</i> , 2013, 94, 341-348.	5.5	17
29	Effect of Ultrasonic-Assisted Blanching on Size Variation, Heat Transfer, and Quality Parameters of Mushrooms. <i>Food and Bioprocess Technology</i> , 2015, 8, 41-53.	4.7	17
30	Effect of intermittent high-intensity sonication and temperature on barley steeping for malt production. <i>Journal of Cereal Science</i> , 2018, 82, 138-145.	3.7	16
31	Modelling Thermodynamic Properties of Banana Waste by Analytical Derivation of Desorption Isotherms. <i>International Journal of Food Engineering</i> , 2012, 8, .	1.5	15
32	Computational modelling of internally cooled wet (ICW) electrodes for radiofrequency ablation: impact of rehydration, thermal convection and electrical conductivity. <i>International Journal of Hyperthermia</i> , 2017, 33, 624-634.	2.5	15
33	Intensification of heat transfer during mild thermal treatment of dry-cured ham by using airborne ultrasound. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 206-212.	8.2	15
34	Natural Convection Drying at Low Temperatures of Previously Frozen Salted Meat. <i>Drying Technology</i> , 2007, 25, 1885-1891.	3.1	14
35	Desorption isotherms and isosteric heat of desorption of previously frozen raw pork meat. <i>Meat Science</i> , 2009, 82, 413-418.	5.5	14
36	Accelerated mild heating of dry-cured ham by applying power ultrasound in a liquid medium. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 50, 94-101.	5.6	14

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37	Modeling of the process of moisture loss during the storage of dried apricots. Food Science and Technology International, 2011, 17, 439-447.	2.2	12
38	The effect of blanching on the quality of dehydrated broccoli florets. European Food Research and Technology, 2001, 213, 474-479.	3.3	11
39	Diffusion of nitrate and water in pork meat: Effect of the direction of the meat fiber. Journal of Food Engineering, 2017, 214, 69-78.	5.2	9
40	Management of Surface Drying Temperature to Increase Antioxidant Capacity of Thyme Leaf Extracts (<i>Thymus vulgaris</i> L.). Drying Technology, 2014, 32, 1931-1941.	3.1	8
41	Modeling of sodium nitrite and water transport in pork meat. Journal of Food Engineering, 2019, 249, 48-54.	5.2	8
42	Intensification of the convective drying process of <i>Salvia officinalis</i> : Modeling and optimization. Food Science and Technology International, 2018, 24, 382-393.	2.2	7
43	Mechanistic modeling to address process analysis: Kibbles of carob (<i>Ceratonia siliqua</i> , L.) pod extraction. Journal of Food Engineering, 2016, 176, 71-76.	5.2	6
44	Physical properties of barley grains at hydration and drying conditions of malt production. Journal of Food Process Engineering, 2021, 44, e13644.	2.9	6
45	Thermodynamic analysis and modeling of water vapor adsorption isotherms of roasted specialty coffee (<i>Coffea arabica</i> L. cv. Colombia). LWT - Food Science and Technology, 2022, 160, 113335.	5.2	6
46	Changes in the quality of dehydrated broccoli stems during storage. Journal of the Science of Food and Agriculture, 2000, 80, 1589-1594.	3.5	4
47	Management and optimization of curing chambers. Journal of Food Engineering, 2005, 68, 33-41.	5.2	4
48	Switching Monopolar Mode for RF-Assisted Resection and Superficial Ablation of Biological Tissue: Computational Modeling and Ex Vivo Experiments. Processes, 2020, 8, 1660.	2.8	2
49	Airborne Power Ultrasonic Technologies for Intensification of Food and Environmental Processes. Physics Procedia, 2016, 87, 54-60.	1.2	1
50	Design Optimization of Convective Driers by Using Spreadsheets. Drying Technology, 1995, 13, 2027-2047.	3.1	0
51	Experimental and computational model approach to assess the photothermal effects in transparent nanocrystalline yttria stabilized zirconia cranial implant. Computer Methods and Programs in Biomedicine, 2022, 221, 106896.	4.7	0