

Stresses Generated During Convective and Microwave

Drying Technology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Analysis of Effectiveness and Stress Development during Convective and Microwave Drying. <i>Drying Technology</i> , 2007, 26, 64-77.	1.7	28
2	Residual Stresses in Dried Bodies. <i>Drying Technology</i> , 2007, 25, 629-637.	1.7	11
3	Heat and mass transfer during microwave-convective drying. <i>AIChE Journal</i> , 2010, 56, 24-35.	1.8	12
4	CONVECTIVE DRYING OF PUMPKIN: INFLUENCE OF PRETREATMENT AND DRYING TEMPERATURE. <i>Journal of Food Process Engineering</i> , 2009, 32, 88-103.	1.5	41
5	Effectiveness of hybrid drying. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009, 48, 1302-1309.	1.8	14
6	Cohesive Strength of Materials during Drying Processes. <i>Drying Technology</i> , 2009, 27, 863-869.	1.7	13
7	Drying-Induced Stresses during Convective and Combined Microwave and Convective Drying of Saturated Porous Media. <i>Drying Technology</i> , 2009, 27, 851-856.	1.7	35
8	Control of mechanical processes in drying. Theory and experiment. <i>Chemical Engineering Science</i> , 2010, 65, 890-899.	1.9	21
9	A Model for Drying of Porous Materials: From Generality to Specific Applications. <i>Drying Technology</i> , 2011, 29, 1542-1555.	1.7	6
10	Comparative Study of Two Methods of Drying an Electro-Porcelain Paste. <i>Drying Technology</i> , 2012, 30, 37-43.	1.7	3
11	Modeling of heat and moisture transfers with stress-strain formation during convective air drying of deformable media. <i>Heat and Mass Transfer</i> , 2012, 48, 1697-1705.	1.2	21
12	Fracturing of Clay During Drying: Modelling and Numerical Simulation. <i>Transport in Porous Media</i> , 2012, 95, 465-481.	1.2	17
13	Damage analysis of microwave-dried materials. <i>AIChE Journal</i> , 2012, 58, 2097-2104.	1.8	14
14	Combined Convective and Microwave Drying of Agglomerated Sand: Internal Transfer Modeling with the Gas Pressure Effect. <i>Drying Technology</i> , 2013, 31, 898-904.	1.7	6
15	Optimal control of convective drying of saturated porous materials. <i>AIChE Journal</i> , 2013, 59, 4846-4857.	1.8	5
16	Comparisons of the REA with Fickian-type drying theories, Luikov's and Whitaker's approaches. , 0, , 169-211.		0
17	Strain-Stress Formation During Stationary and Intermittent Drying of Deformable Media. <i>Drying Technology</i> , 2014, 32, 1245-1255.	1.7	16
18	Modelling of drying induced stress of clay: elastic and viscoelastic behaviours. <i>Mechanics of Time-Dependent Materials</i> , 2014, 18, 97-111.	2.3	20

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19	Comparative numerical study of kaolin clay with three drying methods: Convective, convective+microwave and convective infrared modes. <i>Energy Conversion and Management</i> , 2014, 87, 832-839.	4.4	26
21	2-D Hydro-Viscoelastic Model for Convective Drying of Highly Deformable Saturated Product. <i>Drying Technology</i> , 2015, 33, 1872-1882.	1.7	4
22	Drying of granular medium by hot air and microwaves. Modeling and prediction of internal gas pressure and binder distribution. <i>Powder Technology</i> , 2015, 286, 636-644.	2.1	9
23	Evolution of mechanical properties of parboiled brown rice kernels during impinging stream drying. <i>Drying Technology</i> , 2016, 34, 1843-1853.	1.7	4
24	2-D hydro-viscoelastic model for convective drying of deformable and unsaturated porous material. <i>Comptes Rendus - Mecanique</i> , 2017, 345, 248-258.	2.1	1
25	Effect of microwave power coupled with hot air drying on process efficiency and physico-chemical properties of a new dietary fibre ingredient obtained from orange peel. <i>LWT - Food Science and Technology</i> , 2017, 77, 110-118.	2.5	51
26	Effect of Microwave Power Coupled with Hot Air Drying on Sorption Isotherms and Microstructure of Orange Peel. <i>Food and Bioprocess Technology</i> , 2018, 11, 723-734.	2.6	19
27	Numerical modeling assessment of mechanical effect in bovine leather drying process. <i>Drying Technology</i> , 2018, 36, 1313-1325.	1.7	2
28	Effect of microwave-vacuum, ultrasonication, and freezing on mass transfer kinetics and diffusivity during osmotic dehydration of cranberries. <i>Drying Technology</i> , 2018, 36, 1158-1169.	1.7	32
29	Microwave drying of wet clay with intermittent heating. <i>Drying Technology</i> , 2019, 37, 664-678.	1.7	9
30	Stress fissuring and process duration during rough rice convective drying affected by continuous and stepwise changes in air temperature. <i>Drying Technology</i> , 2019, 37, 198-207.	1.7	14
31	Mechanical properties changes in oak (<i>Quercus canariensis</i>) and stone pine (<i>Pinus pinea</i>) wood subjected to various convective drying conditions. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 2117-2129.	1.0	2
32	Sensitivity analysis of intermittent microwave convective drying based on multiphase porous media models. <i>International Journal of Thermal Sciences</i> , 2020, 153, 106344.	2.6	17
35	Effects of drying temperature on drying kinetics and eurycomanone content of <i>Eurycoma longifolia</i> roots. <i>Food Research</i> , 2017, 1, 270-275.	0.3	2
36	Processo de secagem de materiais cerâmicos argilosos: uma revisão. <i>Research, Society and Development</i> , 2020, 9, e78591110300.	0.0	1
39	Low-temperature microwave-assisted drying of sliced bitter melon: Drying kinetics and rehydration characteristics. <i>Journal of Food Process Engineering</i> , 2022, 45, .	1.5	3