

Vinkel Kumar Arora

List of Publications by Year in descending order

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36
papers

356
citations

933447

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all docs

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docs citations

36
times ranked

142
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and performance evaluation of an evacuated tube solar dryer for drying garlic clove. <i>Renewable Energy</i> , 2021, 168, 568-580.	8.9	43
2	Extrusion-Based 3D Food Printing: Technological Approaches, Material Characteristics, Printing Stability, and Post-processing. <i>Food Engineering Reviews</i> , 2022, 14, 100-119.	5.9	38
3	Evacuated tube solar and sun drying of beetroot slices: Comparative assessment of thermal performance, drying kinetics, and quality analysis. <i>Solar Energy</i> , 2022, 233, 246-258.	6.1	35
4	Design and performance evaluation of a passive flat plate collector solar dryer for agricultural products. <i>Journal of Food Process Engineering</i> , 2020, 43, e13484.	2.9	33
5	Effect of PCM assisted flat plate collector solar drying of green chili on retention of bioactive compounds and control of aflatoxins development. <i>Solar Energy</i> , 2021, 229, 102-111.	6.1	24
6	Investigation on rice flour and jaggery paste as food material for extrusion-based 3D printing. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15375.	2.0	23
7	Formulation of protein-enriched 3D printable food matrix and evaluation of textural, rheological characteristics, and printing stability. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15182.	2.0	21
8	Selection of phase change material for solar thermal storage application: a comparative study. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	18
9	Vibro-Fluidized Bed Drying of Pumpkin Seeds: Assessment of Mathematical and Artificial Neural Network Models for Drying Kinetics. <i>Journal of Food Quality</i> , 2021, 2021, 1-12.	2.6	16
10	Sweet lime (<i>Citrus limetta</i>) peel waste drying approaches and effect on quality attributes, phytochemical and functional properties. <i>Food Bioscience</i> , 2022, 48, 101789.	4.4	16
11	Enhancement of fatigue life of multi-leaf spring by parameter optimization using RSM. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 1333-1349.	1.6	10
12	Thin-layer drying of <i>Sadabahar</i> (<i>Catharanthus roseus</i>) leaves using different drying techniques and fate of bioactive compounds. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15140.	2.0	10
13	Drying kinetics, mass transfer parameters, and specific energy consumption analysis of watermelon seeds dried using the convective dryer. <i>Materials Today: Proceedings</i> , 2022, 59, 926-932.	1.8	8
14	Characterization of rice flour and pastes with different sweeteners for extrusion-based 3D food printing. <i>Journal of Texture Studies</i> , 2022, 53, 895-907.	2.5	8
15	Fatigue Life Assessment of 65Si7 Leaf Springs: A Comparative Study. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-11.	0.9	7
16	Mathematical Modeling of Drying Kinetics of Garlic Clove in Forced Convection Evacuated Tube Solar Dryer. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 813-820.	0.4	7
17	Drying of Fruits and Vegetables in a Developed Multimode Drying Unit and Comparison with Commercially Available Systems. <i>Journal of the Institution of Engineers (India): Series A</i> , 2019, 100, 381-386.	1.2	6
18	A Comprehensive Assessment of 3D Food Printing: Technological and Processing Aspects. <i>Journal of Biosystems Engineering</i> , 2021, 46, 286.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Printability Assessment and Optimization of Process Parameters for 3D Printing of Rice Flour and Jaggery Paste. Journal of Biosystems Engineering, 2022, 47, 248-262.	2.5	6
20	Exploring the factors affecting supply chain performance in dairy industry using exploratory factor analysis technique. International Journal of Industrial and Systems Engineering, 2020, 36, 248.	0.2	4
21	Assessment of Rice Flour and Jaggery as a Potential 3D Food Printer Cartridge. Lecture Notes in Mechanical Engineering, 2021, , 487-498.	0.4	3
22	Statistical approach to investigate the effect of vibrofluidized bed drying on bioactive compounds of muskmelon (<i>Cucumis melo</i>) seeds. Journal of Food Processing and Preservation, 2022, 46, e16331.	2.0	3
23	Effect of surface decarburisation, scragging stress and individual leaf camber on fatigue life of 65Si7 leaf springs. International Journal of Design Engineering, 2015, 6, 22.	0.3	2
24	Static structural CAE analysis of symmetrical 65Si7 leaf springs in automotive vehicles. Engineering Solid Mechanics, 2015, 3, 59-74.	1.2	2
25	Experimental Investigation of Evacuated Tube Solar Air Collectors for Drying Application. Lecture Notes in Mechanical Engineering, 2021, , 395-404.	0.4	2
26	Investigation of geometric and gravimetric properties of pumpkin seeds (<i>Cucurbita maxima</i>) under tray drying. Materials Today: Proceedings, 2021, , .	1.8	2
27	Effect of Assembly Stresses on Fatigue Life of Symmetrical 65Si7 Leaf Springs. International Scholarly Research Notices, 2014, 2014, 1-10.	0.9	1
28	Precise estimation of individual leaf camber and stepping in symmetrical 65Si7 leaf springs. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1717-1729.	1.6	1
29	Experimental analysis for thermo-physical properties of phase change materials during accelerated thermal cycling. Australian Journal of Mechanical Engineering, 2020, , 1-13.	2.1	1
30	Conference Report: Second Workshop on Dehydration of Food and Agricultural Products: Principles, Practices, and Prospects; National Institute of Food Technology Entrepreneurship and Management (NIFTEM), India, February 25-27, 2015. Drying Technology, 2015, 33, 1018-1018.	3.1	0
31	Mathematical modelling for fatigue life prediction of a symmetrical 65Si7 leaf spring. International Journal of Computer Aided Engineering and Technology, 2018, 10, 287.	0.2	0
32	Effect of Geometry, Material and Strength Reduction Factor on the Fatigue Life of the Symmetrical Leaf Spring. International Journal of Advanced Materials Manufacturing and Characterization, 2016, 6, 51-57.	0.2	0
33	Mathematical modelling for fatigue life prediction of a symmetrical 65Si7 leaf spring. International Journal of Computer Aided Engineering and Technology, 2018, 10, 287.	0.2	0
34	Exploring the factors affecting supply chain performance in Dairy industry using Exploratory Factor Analysis technique. International Journal of Industrial and Systems Engineering, 2020, 1, 1.	0.2	0
35	Dimensional Accuracy of 3D Printable Food Construct. , 2021, , .		0
36	Three-Dimensional (3D) Food Printing and Its Process Parameters. , 2022, , 35-45.		0