Vinkel Kumar Arora

List of Publications by Year
in descending order

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36	356	933447	839539
papers	citations	10 h-index	18 g-index

36	36	36	142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extrusion-Based 3D Food Printing: Technological Approaches, Material Characteristics, Printing Stability, and Post-processing. Food Engineering Reviews, 2022, 14, 100-119.	5.9	38
2	Statistical approach to investigate the effect of vibroâ€fluidized bed drying on bioactive compounds of muskmelon (Cucumis melo) seeds. Journal of Food Processing and Preservation, 2022, 46, e16331.	2.0	3
3	Evacuated tube solar and sun drying of beetroot slices: Comparative assessment of thermal performance, drying kinetics, and quality analysis. Solar Energy, 2022, 233, 246-258.	6.1	35
4	Three-Dimensional (3D) Food Printing and Its Process Parameters. , 2022, , 35-45.		0
5	Drying kinetics, mass transfer parameters, and specific energy consumption analysis of watermelon seeds dried using the convective dryer. Materials Today: Proceedings, 2022, 59, 926-932.	1.8	8
6	Sweet lime (Citrus limetta) peel waste drying approaches and effect on quality attributes, phytochemical and functional properties. Food Bioscience, 2022, 48, 101789.	4.4	16
7	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
8	Characterization of rice flour and pastes with different sweeteners for extrusionâ€based 3D food printing. Journal of Texture Studies, 2022, 53, 895-907.	2.5	8
9	Thinâ€layer drying of sadabahar (Catharanthus roseus) leaves using different drying techniques and fate of bioactive compounds. Journal of Food Processing and Preservation, 2021, 45, e15140.	2.0	10
10	Design and performance evaluation of an evacuated tube solar dryer for drying garlic clove. Renewable Energy, 2021, 168, 568-580.	8.9	43
11	Assessment of Rice Flour and Jaggery as a Potential 3D Food Printer Cartridge. Lecture Notes in Mechanical Engineering, 2021, , 487-498.	0.4	3
12	Investigation on rice flour and jaggery paste as food material for extrusionâ€based 3D printing. Journal of Food Processing and Preservation, 2021, 45, e15375.	2.0	23
13	Effect of PCM assisted flat plate collector solar drying of green chili on retention of bioactive compounds and control of aflatoxins development. Solar Energy, 2021, 229, 102-111.	6.1	24
14	A Comprehensive Assessment of 3D Food Printing: Technological and Processing Aspects. Journal of Biosystems Engineering, 2021, 46, 286.	2.5	6
15	Mathematical Modeling of Drying Kinetics of Garlic Clove in Forced Convection Evacuated Tube Solar Dryer. Lecture Notes in Mechanical Engineering, 2021, , 813-820.	0.4	7
16	Formulation of proteinâ€enriched 3D printable food matrix and evaluation of textural, rheological characteristics, and printing stability. Journal of Food Processing and Preservation, 2021, 45, e15182.	2.0	21
17	Experimental Investigation of Evacuated Tube Solar Air Collectors for Drying Application. Lecture Notes in Mechanical Engineering, 2021, , 395-404.	0.4	2
18	Vibro-Fluidized Bed Drying of Pumpkin Seeds: Assessment of Mathematical and Artificial Neural Network Models for Drying Kinetics. Journal of Food Quality, 2021, 2021, 1-12.	2.6	16

#	Article	IF	Citations
19	Dimensional Accuracy of 3D Printable Food Construct. , 2021, , .		0
20	Investigation of geometric and gravimetric properties of pumpkin seeds (Cucurbita maxima) under tray drying. Materials Today: Proceedings, 2021, , .	1.8	2
21	Design and performance evaluation of a passive flat plate collector solar dryer for agricultural products. Journal of Food Process Engineering, 2020, 43, e13484.	2.9	33
22	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
23	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
24	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
25	Selection of phase change material for solar thermal storage application: a comparative study. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	18
26	Drying of Fruits and Vegetables in a Developed Multimode Drying Unit and Comparison with Commercially Available Systems. Journal of the Institution of Engineers (India): Series A, 2019, 100, 381-386.	1.2	6
27	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
28	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
29	Enhancement of fatigue life of multi-leaf spring by parameter optimization using RSM. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1333-1349.	1.6	10
30	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
31	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
32	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
33	Static structural CAE analysis of symmetrical 65Si7 leaf springs in automotive vehicles. Engineering Solid Mechanics, 2015, 3, 59-74.	1.2	2
34	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 25â€“27, 2015. Drying Technology, 2015, 33, 1018-1018.	3.1	0
35	Fatigue Life Assessment of 65Si7 Leaf Springs: A Comparative Study. International Scholarly Research Notices, 2014, 2014, 1-11.	0.9	7
36	Effect of Assembly Stresses on Fatigue Life of Symmetrical 65Si7 Leaf Springs. International Scholarly Research Notices, 2014, 2014, 1-10.	0.9	1