Mahesh Kumar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7683373/publications.pdf

Version: 2024-02-01

41	874	623188	500791
papers	citations	14 h-index	28 g-index

41	41	41	542
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress in solar dryers for drying various commodities. Renewable and Sustainable Energy Reviews, 2016, 55, 346-360.	8.2	259
2	Study of water desalination techniques and a review on active solar distillation methods. Environmental Progress and Sustainable Energy, 2018, 37, 444-464.	1.3	53
3	A comprehensive review of greenhouse shapes and its applications. Frontiers in Energy, 2019, 13, 427-438.	1.2	47
4	A comprehensive decade review and analysis on designs and performance parameters of passive solar still. Renewables: Wind, Water, and Solar, 2015, 2, .	2.5	45
5	Upgradation of jaggery production and preservation technologies. Renewable and Sustainable Energy Reviews, 2018, 96, 167-180.	8.2	43
6	The effect of open sun and indoor forced convection on heat transfer coefficients for the drying of papad. Journal of Energy in Southern Africa, 2011, 22, 40-46.	0.5	30
7	Performance analysis of single basin solar distillation cum drying unit with parabolic reflector. Desalination, 2017, 416, 1-9.	4.0	29
8	Thermo-economic assessment of a novel design of a solar distillation-cum-drying unit. Energy and Environment, 2019, 30, 1456-1476.	2.7	22
9	Enviro-economical feasibility of groundnut drying under greenhouse and indoor forced convection hot air dryers. Journal of Stored Products Research, 2021, 93, 101848.	1.2	21
10	Experimental study on natural convection greenhouse drying of papad. Journal of Energy in Southern Africa, 2013, 24, 37-43.	0.5	20
11	Effect of mass on convective heat transfer coefficient during open sun drying of groundnut. Journal of Food Science and Technology, 2017, 54, 4510-4516.	1.4	17
12	Environmental and economic sustainability of <scp>PVT</scp> drying system: A heat transfer approach. Environmental Progress and Sustainable Energy, 2021, 40, e13535.	1.3	17
13	An experimental study on solar evaporation of sugarcane juice. Heat Transfer, 2021, 50, 8378-8402.	1.7	16
14	Enhancement in Cooling of Electronic Components by Nanofluids. Journal of the Institution of Engineers (India): Series C, 2015, 96, 245-251.	0.7	15
15	Annual performance analysis of a single-basin passive solar still coupled with evacuated tubes: comprehensive study in climate conditions of Mahesana, Gujarat. International Journal of Ambient Energy, 2019, 40, 229-242.	1.4	15
16	Comparison of groundnut drying in simple and modified natural convection greenhouse dryers: Thermal, environmental and kinetic analyses. Journal of Stored Products Research, 2022, 98, 101990.	1.2	15
17	Thermal performance and kinetic analysis of vermicelli drying inside a greenhouse for sustainable development. Sustainable Energy Technologies and Assessments, 2021, 44, 101082.	1.7	13
18	Experimental investigation of a solar water distillation-cum-drying unit. International Journal of Green Energy, 2017, 14, 385-394.	2.1	12

#	Article	IF	Citations
19	Comparative study on stepped solar distillers internally loaded with different masses of phase change material. International Journal of Energy Research, 2022, 46, 12948-12962.	2.2	12
20	Experimental investigations on latent heat storage based modified mixedâ€mode greenhouse groundnuts drying. Journal of Food Processing and Preservation, 2022, 46, .	0.9	12
21	Investigations on effect of mass of phase change material on sugarcane juice concentration and distillate production in a stepped solar system. Journal of Energy Storage, 2022, 52, 104878.	3.9	12
22	Thermal analysis of tilted wick solar distillation-cum-drying system. International Journal of Green Energy, 2019, 16, 49-59.	2.1	11
23	FORCED CONVECTION GREENHOUSE GROUNDNUT DRYING: AN EXPERIMENTAL STUDY. Heat Transfer Research, 2018, 49, 309-325.	0.9	11
24	Toward natural convection solar drying of date palm fruits (Phoenix dactylifera L.): An experimental study. Environmental Progress and Sustainable Energy, 2022, 41, .	1.3	11
25	An experimental study on pool boiling of milk. Heat Transfer - Asian Research, 2011, 40, 159-170.	2.8	10
26	Thermo-techno-economical experimental evaluation of a stepped solar distillation system with energy loss utilization. Chemical Engineering Research and Design, 2021, 148, 473-481.	2.7	10
27	Performance evaluation of a locally designed stepped solar distillation-cum-active drying unit. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4383-4395.	2.0	10
28	Performance evaluation of a modified jaggery making plant: A comparative study. Journal of Food Process Engineering, 2021, 44, e13712.	1.5	10
29	Assessment of a solar powered sustainable energy recovery system for cleaner production of concentrated sugarcane juice. Sustainable Energy Technologies and Assessments, 2022, 52, 102271.	1.7	10
30	Effect of Size on Forced Convection Greenhouse Drying of Khoa. Journal of Mechanical Engineering and Sciences, 2014, 7, 1157-1167.	0.3	9
31	EXPERIMENTAL FORCED SOLAR THIN LAYER GINGER DRYING. Facta Universitatis, Series: Mechanical Engineering, 2016, 14, 101.	2.3	8
32	Effect of Size on the Convective Heat and Mass Transfer Coefficients during Natural Convection Greenhouse Drying of Khoa-A Heat Desiccated Milk Product. International Journal of Renewable Energy and Biofuels, 0, , 1-11.	0.0	8
33	A comprehensive review on stepped solar still and induction heating applications. Materials Today: Proceedings, 2022, 56, 2696-2703.	0.9	8
34	Effect of Modified Atmosphere Packaging on Keeping Quality of Jaggery. Sugar Tech, 2013, 15, 203-208.	0.9	7
35	Thermoeconomic analysis of a modified jaggery making plant. Heat Transfer, 2021, 50, 4871-4891.	1.7	6
36	FORCED CONVECTION DRYING OF INDIAN GROUNDNUT: AN EXPERIMENTAL STUDY. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 467.	2.3	6

#	Article	IF	Citations
37	Performance evaluation of improved and traditional two pan jaggery making plants: A comparative study. Sustainable Energy Technologies and Assessments, 2021, 47, 101462.	1.7	5
38	Technological upgradations in jaggery making plants. Materials Today: Proceedings, 2022, 56, 2478-2483.	0.9	4
39	Computer software applications in solar drying. Materials Today: Proceedings, 2022, 64, 101-107.	0.9	3
40	A review on turmeric drying technologies. Materials Today: Proceedings, 2022, , .	0.9	2
41	Experimental study on heat and mass transfer for heating milk. Journal of Energy in Southern Africa, 2011, 22, 45-53.	0.5	0