

# Veerparkash Sethi

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,090  
citations

623188

14  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey and evaluation of heating technologies for worldwide agricultural greenhouse applications. Solar Energy, 2008, 82, 832-859.	2.9	210
2	Survey of cooling technologies for worldwide agricultural greenhouse applications. Solar Energy, 2007, 81, 1447-1459.	2.9	182
3	On the selection of shape and orientation of a greenhouse: Thermal modeling and experimental validation. Solar Energy, 2009, 83, 21-38.	2.9	149
4	Thermal modeling aspects of solar greenhouse microclimate control: A review on heating technologies. Solar Energy, 2013, 96, 56-82.	2.9	108
5	Improvement in greenhouse solar drying using inclined north wall reflection. Solar Energy, 2009, 83, 1472-1484.	2.9	75
6	Performance evaluation and solar radiation capture of optimally inclined box type solar cooker with parallelepiped cooking vessel design. Energy Conversion and Management, 2014, 81, 231-241.	4.4	66
7	Thermal modeling of a greenhouse integrated to an aquifer coupled cavity flow heat exchanger system. Solar Energy, 2007, 81, 723-741.	2.9	54
8	Experimental and economic study of a greenhouse thermal control system using aquifer water. Energy Conversion and Management, 2007, 48, 306-319.	4.4	39
9	Greenhouse heating and cooling using aquifer water. Energy, 2007, 32, 1414-1421.	4.5	36
10	On the design, modelling and analysis of multi-shelf inclined solar cooker-cum-dryer. Solar Energy, 2018, 162, 620-636.	2.9	36
11	Design, space optimization and modelling of solar-cum-biomass hybrid greenhouse crop dryer using flue gas heat transfer pipe network. Solar Energy, 2020, 206, 120-135.	2.9	27
12	CFD analysis of greenhouse heating using flue gas and hot water heat sink pipe networks. Computers and Electronics in Agriculture, 2019, 163, 104853.	3.7	24
13	Design and evaluation of modified screen net house for off-season vegetable raising in composite climate. Energy Conversion and Management, 2009, 50, 3112-3128.	4.4	19
14	Effects of substrate hydroponic systems and different N and K ratios on yield and quality of tomato fruit. Journal of Plant Nutrition, 2018, 41, 1547-1554.	0.9	16
15	Design, modeling and analysis of efficient multi-rack tray solar cabinet dryer coupled with north wall reflector. Solar Energy, 2020, 211, 908-919.	2.9	15
16	Optimal space utilization of a greenhouse using multi-rack tray system: Thermal modeling and experimental validation. Energy Conversion and Management, 2008, 49, 2890-2899.	4.4	7
17	Development of dual purpose greenhouse coupled with north wall utilization for higher economic gains. Solar Energy, 2011, 85, 734-745.	2.9	6
18	Design, evaluation and heat transfer analysis of novel forced draft paddy straw bale combustor using heat sink pipe networks for greenhouse heating. Energy Conversion and Management, 2018, 173, 244-261.	4.4	5

#	ARTICLE	IF	CITATIONS
19	Thermal modelling of asymmetric overlap roof greenhouse with experimental validation. International Journal of Sustainable Energy, 2019, 38, 24-36.	1.3	5
20	Effect of different nitrogen-potassium concentrations on growth and flowering of chrysanthemum in a drip hydroponic system. Journal of Plant Nutrition, 2016, 39, 1891-1898.	0.9	4
21	On the selection of shape and orientation of a greenhouse for composite climates. International Journal of Sustainable Energy, 2009, 28, 45-58.	1.3	3
22	Thermal modeling and analysis of novel twin-chamber community solar cooker as a replacement of biomass-based cooking. International Journal of Green Energy, 2019, 16, 167-184.	2.1	3
23	Design and evaluation of wick type and recirculation type substrate hydroponic systems for greenhouse tomatoes. Agricultural Research Journal, 2016, 53, 228.	0.0	1
24	Maximum power output of a solar PV module at various latitudes as influenced by the swing angle of the sun. International Journal of Sustainable Energy, 2014, 33, 500-505.	1.3	0