Harjit Singh

List of Publications by Year
in descending order

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36	1,270	394421	395702
papers	citations	19 h-index	33 g-index

39	39	39	1380
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting the conductive heat transfer through evacuated perlite based vacuum insulation panels. International Journal of Thermal Sciences, 2022, 171, 107245.	4.9	13
2	Amorphous carbon based nanofluids for direct radiative absorption in solar thermal concentrators â€“ Experimental and computational study. Renewable Energy, 2022, 183, 651-661.	8.9	7
3	Directly Absorbing Nanofluid-Based Solar Thermal Collectors for Cairo. Innovative Renewable Energy, 2022, , 193-199.	0.4	1
4	Rooftop solar Photovoltaic (PV) plant â€“ One year measured performance and simulations. Journal of King Saud University - Science, 2021, 33, 101361.	3.5	22
5	V-Trough Optimization for a Multipurpose Integrated Solar Energy Project in Helwan of Egypt. IOP Conference Series: Materials Science and Engineering, 2021, 1171, 012006.	0.6	1
6	Long term performance analysis of low concentrating photovoltaic (LCPV) systems for building retrofit. Applied Energy, 2021, 300, 117412.	10.1	8
7	Liquid Metal Gallium in Metal Inserts for Solar Thermal Energy Storage: A Novel Heat Transfer Enhancement Technique. Solar Energy Materials and Solar Cells, 2020, 208, 110365.	6.2	14
8	Vacuum insulation panels for refrigerators. International Journal of Refrigeration, 2020, 112, 215-228.	3.4	18
9	Low Concentrating Photovoltaics (LCPV) for buildings and their performance analyses. Applied Energy, 2020, 279, 115839.	10.1	30
10	Low melt alloy blended polyalcohol as solid-solid phase change material for energy storage: An experimental study. Applied Thermal Engineering, 2020, 175, 115362.	6.0	11
11	Plasma-induced non-equilibrium electrochemistry synthesis of nanoparticles for solar thermal energy harvesting. Solar Energy, 2020, 203, 37-45.	6.1	19
12	Vacuum insulation in cold chain equipment: A review. Energy Procedia, 2019, 161, 232-241.	1.8	16
13	Modified active solar distillation system employing directly absorbing Therminol 55â€“Al2O3 nano heat transfer fluid and Fresnel lens concentrator. Desalination, 2019, 457, 32-38.	8.2	50
14	Modelling and experimental analysis of low concentrating solar panels for use in building integrated and applied photovoltaic (BIPV/BAPV) systems. Renewable Energy, 2019, 139, 815-829.	8.9	34
15	Theoretical and experimental evaluation of thermal interface materials and other influencing parameters for thermoelectric generator system. Renewable Energy, 2019, 134, 25-43.	8.9	34
16	Graphene nanoplatelets enhanced myo-inositol for solar thermal energy storage. Thermal Science and Engineering Progress, 2017, 2, 1-7.	2.7	16
17	Investigations into nanofluids as direct solar radiation collectors. Solar Energy, 2017, 147, 426-431.	6.1	29
18	Energy and economic analysis of Vacuum Insulation Panels (VIPs) used in non-domestic buildings. Applied Energy, 2017, 188, 1-8.	10.1	92

#	Article	IF	Citations
19	Myo-inositol based nano-PCM for solar thermal energy storage. Applied Thermal Engineering, 2017, 110, 564-572.	6.0	83
20	Directly absorbing Therminol-Al 2 O 3 nano heat transfer fluid for linear solar concentrating collectors. Solar Energy, 2016, 137, 134-142.	6.1	43
21	Experimental investigations into low concentrating line axis solar concentrators for CPV applications. Solar Energy, 2016, 136, 421-427.	6.1	28
22	Development of a nano-heat transfer fluid carrying direct absorbing receiver for concentrating solar collectors. International Journal of Low-Carbon Technologies, 2016, 11, 199-204.	2.6	10
23	Experimental investigations into thermal transport phenomena in vacuum insulation panels (VIPs) using fumed silica cores. Energy and Buildings, 2015, 107, 76-83.	6.7	39
24	Experimental characterisation and evaluation of the thermo-physical properties of expanded perliteâ€"Fumed silica composite for effective vacuum insulation panel (VIP) core. Energy and Buildings, 2014, 69, 442-450.	6.7	65
25	Smart windows: Thermal modelling and evaluation. Solar Energy, 2014, 103, 200-209.	6.1	31
26	Reducing the carbon footprint of existing UK dwellings â€“ three case studies. International Journal of Environmental Studies, 2012, 69, 253-272.	1.6	1
27	Solar Energy Harvesting Using Nanofluids-Based Concentrating Solar Collector. , 2012, , .		17
28	Correlations for natural convective heat exchange in CPC solar collector cavities determined from experimental measurements. Solar Energy, 2012, 86, 2443-2457.	6.1	30
29	Solar Energy Harvesting Using Nanofluids-Based Concentrating Solar Collector. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	166
30	An Experimental Comparison of two Solar Photovoltaic- Thermal (PVT) Energy Conversion Systems for Production of Heat and Power. Energy and Power, 2012, 2, 46-50.	1.0	10
31	A review of natural convective heat transfer correlations in rectangular cross-section cavities and their potential applications to compound parabolic concentrating (CPC) solar collector cavities. Applied Thermal Engineering, 2011, 31, 2186-2196.	6.0	50
32	Vacuum Insulation Panels (VIPs) for building construction industry â€“ A review of the contemporary developments and future directions. Applied Energy, 2011, 88, 3592-3602.	10.1	198
33	Factors influencing the uptake of heat pump technology by the UK domestic sector. Renewable Energy, 2010, 35, 873-878.	8.9	56
34	Optimum configuration of compound parabolic concentrator (CPC) solar water heater types for dwellings situated in the northern maritime climate. International Journal of Ambient Energy, 2010, 31, 47-52.	2.5	1
35	Experimental Evaluation of Natural Convective Fluid Flow Phenomenon in Compound Parabolic Concentrating (CPC) Solar Collector Cavities. , 2010, , .		1
36	Interventions for large-scale carbon emission reductions in future UK offices. Energy and Buildings, 2009, 41, 1374-1380.	6.7	26