Philip Griffiths

List of Publications by Year
in descending order

24 papers	1,199 citations	686830 13 h-index	676716 22 g-index
25 all docs	25 docs citations	25 times ranked	1258 citing authors

#	Article	IF	Citations
1	Thermal energy storage in building integrated thermal systems: AÂreview. Part 1. active storage systems. Renewable Energy, 2016, 88, 526-547.	4.3	230
2	Thermal energy storage in building integrated thermal systems: A review. Part 2. Integration as passive system. Renewable Energy, 2016, 85, 1334-1356.	4.3	208
3	Zero carbon buildings refurbishmentâ€“â€“A Hierarchical pathway. Renewable and Sustainable Energy Reviews, 2011, 15, 3229-3236.	8.2	167
4	Performance of chilled ceiling panels using phase change material slurries as the heat transport medium. Applied Thermal Engineering, 2007, 27, 1756-1760.	3.0	104
5	Fabrication of evacuated glazing at low temperature. Solar Energy, 1998, 63, 243-249.	2.9	86
6	Microencapsulated phase change slurries for thermal energy storage in a residential solar energy system. Renewable Energy, 2011, 36, 2932-2939.	4.3	72
7	State of the Irish housing stockâ€"Modelling the heat losses of Ireland's existing detached rural housing stock & estimating the benefit of thermal retrofit measures on this stock. Energy Policy, 2013, 55, 139-151.	4.2	54
8	Investigation of nZEB social housing built to the Passive House standard. Energy and Buildings, 2018, 179, 344-359.	3.1	51
9	High density polyethylene spheres with PCM for domestic hot water applications: Water tank and laboratory scale study. Journal of Energy Storage, 2017, 13, 262-267.	3.9	50
10	Thermal behaviour of integrated solar collector/storage unit with 65Â°C phase change material. Energy Conversion and Management, 2006, 47, 3611-3618.	4.4	42
11	Phase change materials in building integrated space heating and domestic hot water applications: A review. Journal of Energy Storage, 2022, 54, 105227.	3.9	33
12	Experimental investigation of natural convection heat exchange within a physical model of the manifold chamber of a thermosyphon heat-pipe evacuated tube solar water heater. Solar Energy, 2009, 83, 988-997.	2.9	21
13	Observed site obstacle impacts on the energy performance of a large scale urban wind turbine using an electrical energy rose. Energy for Sustainable Development, 2018, 43, 23-37.	2.0	19
14	An assessment of the mesoscale to microscale influences on wind turbine energy performance at a peri-urban coastal location from the Irish wind atlas and onsite LiDAR measurements. Sustainable Energy Technologies and Assessments, 2019, 36, 100537.	1.7	13
15	A passive house with seasonal solar energy store:in situdata and numerical modelling. International Journal of Ambient Energy, 2014, 35, 37-50.	1.4	12
16	Financial analysis of an installed small scale seasonal thermal energyÂstore. Renewable Energy, 2016, 86, 422-428.	4.3	12
17	Measured wind and morphological characteristics of a peri-urban environment and their impact on the performance of an operational large-scale wind turbine. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 212, 104592.	1.7	7
18	Social Media use by enrollment management. Cutting-Edge Technologies in Higher Education, 2011, , 49-67.	0.2	5

#	Article	IF	Citations
19	Developing an Integrated Simulation Model to Design a 100% Renewable Building Energy System. , 2010, , .		3
20	A comparison of four microscale wind flow models in predicting the real-world performance of a large-scale peri-urban wind turbine, using onsite LiDAR wind measurements. Sustainable Energy Technologies and Assessments, 2021, 46, 101323.	1.7	3
21	The Cost of Building to the nearly-Zero Energy Building Standard: A Financial Case Study. Innovative Renewable Energy, 2019, , 71-78.	0.2	3
22	Solar-control films. Applied Energy, 1992, 41, 261-284.	5.1	2
23	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.	1.4	1
24	Investigation of concentrating and nonconcentrating evacuated tube solar water heaters using 2D particle imaging velocimetry. International Journal of Low-Carbon Technologies, 2015, 10, 283-287.	1.2	0