

Eduard Or

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

2,261
citations

26
h-index

36
g-index

36
ext. papers

2,605
ext. citations

7.8
avg. IF

5.08
L-index

#	Paper	IF	Citations
35	Waste heat recovery from urban air cooled data centres to increase energy efficiency of district heating networks. <i>Sustainable Cities and Society</i> , 2019 , 45, 522-542	10.1	25
34	Experimental analysis of the effective thermal conductivity enhancement of PCM using finned tubes in high temperature bulk tanks. <i>Applied Thermal Engineering</i> , 2018 , 142, 736-744	5.8	37
33	Design and economic analysis of liquid cooled data centres for waste heat recovery: A case study for an indoor swimming pool. <i>Sustainable Cities and Society</i> , 2018 , 36, 185-203	10.1	30
32	Energy model optimization for thermal energy storage system integration in data centres. <i>Journal of Energy Storage</i> , 2016 , 8, 129-141	7.8	4
31	Temperature distribution and heat losses in molten salts tanks for CSP plants. <i>Solar Energy</i> , 2016 , 135, 518-526	6.8	23
30	Experimental and numerical analysis of the air management in a data centre in Spain. <i>Energy and Buildings</i> , 2016 , 116, 553-561	7	16
29	Thermal energy storage for renewable heating and cooling systems 2016 , 139-179		6
28	Experimental and numerical analysis for potential heat reuse in liquid cooled data centres. <i>Energy Conversion and Management</i> , 2016 , 112, 135-145	10.6	33
27	Experimental analysis of a car incorporating phase change material. <i>Journal of Energy Storage</i> , 2016 , 7, 131-135	7.8	23
26	Overview of direct air free cooling and thermal energy storage potential energy savings in data centres. <i>Applied Thermal Engineering</i> , 2015 , 85, 100-110	5.8	40
25	CO ₂ mitigation accounting for Thermal Energy Storage (TES) case studies. <i>Applied Energy</i> , 2015 , 155, 365-377	10.7	41
24	The location as an energy efficiency and renewable energy supply measure for data centres in Europe. <i>Applied Energy</i> , 2015 , 140, 338-349	10.7	46
23	Energy efficiency and renewable energy integration in data centres. Strategies and modelling review. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 42, 429-445	16.2	129
22	Energy Model for Thermal Energy Storage System Management Integration in Data Centres. <i>Energy Procedia</i> , 2015 , 73, 254-262	2.3	3
21	Embodied energy in thermal energy storage (TES) systems for high temperature applications. <i>Applied Energy</i> , 2015 , 137, 793-799	10.7	43
20	Energy management and CO ₂ mitigation using phase change materials (PCM) for thermal energy storage (TES) in cold storage and transport. <i>International Journal of Refrigeration</i> , 2014 , 42, 26-35	3.8	46
19	Experimental analysis of hydroquinone used as phase change material (PCM) to be applied in solar cooling refrigeration. <i>International Journal of Refrigeration</i> , 2014 , 39, 95-103	3.8	59

18	Stratification analysis in packed bed thermal energy storage systems. <i>Applied Energy</i> , 2013 , 109, 476-487	10.7	50
17	Active phase change material package for thermal protection of ice cream containers. <i>International Journal of Refrigeration</i> , 2013 , 36, 102-109	3.8	30
16	Experimental and numerical analysis of a chilly bin incorporating phase change material. <i>Applied Thermal Engineering</i> , 2013 , 58, 61-67	5.8	17
15	Corrosion of metal and polymer containers for use in PCM cold storage. <i>Applied Energy</i> , 2013 , 109, 449-453	5.7	59
14	Mathematical modeling of a PCM storage tank in a solar cooling plant. <i>Solar Energy</i> , 2013 , 93, 1-10	6.8	23
13	Experimental study on the selection of phase change materials for low temperature applications. <i>Renewable Energy</i> , 2013 , 57, 130-136	8.1	37
12	Numerical modelling of ventilated facades: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 22, 539-549	16.2	75
11	Material selection and testing for thermal energy storage in solar cooling. <i>Renewable Energy</i> , 2013 , 57, 366-371	8.1	59
10	Experimental analysis of the effectiveness of a high temperature thermal storage tank for solar cooling applications. <i>Applied Thermal Engineering</i> , 2013 , 54, 521-527	5.8	42
9	Comparative study of different numerical models of packed bed thermal energy storage systems. <i>Applied Thermal Engineering</i> , 2013 , 50, 384-392	5.8	43
8	Improving thermal performance of freezers using phase change materials. <i>International Journal of Refrigeration</i> , 2012 , 35, 984-991	3.8	90
7	Comparative life cycle assessment of thermal energy storage systems for solar power plants. <i>Renewable Energy</i> , 2012 , 44, 166-173	8.1	112
6	Review of Solar Thermal Storage Techniques and Associated Heat Transfer Technologies. <i>Proceedings of the IEEE</i> , 2012 , 100, 525-538	14.3	60
5	Thermal analysis of a low temperature storage unit using phase change materials without refrigeration system. <i>International Journal of Refrigeration</i> , 2012 , 35, 1709-1714	3.8	59
4	Review on phase change materials (PCMs) for cold thermal energy storage applications. <i>Applied Energy</i> , 2012 , 99, 513-533	10.7	667
3	Thermal Energy Storage Implementation Using Phase Change Materials for Solar Cooling and Refrigeration Applications. <i>Energy Procedia</i> , 2012 , 30, 947-956	2.3	35
2	Thermal analysis of including phase change material in a domestic hot water cylinder. <i>Applied Thermal Engineering</i> , 2011 , 31, 3938-3945	5.8	70
1	Overview of thermal energy storage (TES) potential energy savings and climate change mitigation in Spain and Europe. <i>Applied Energy</i> , 2011 , 88, 2764-2774	10.7	129

