

Robert Sekret

List of Publications by Citations

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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.

20
papers

340
citations

9
h-index

18
g-index

21
ext. papers

396
ext. citations

3.9
avg, IF

4.26
L-index

#	Paper	IF	Citations
20	Effect of PCM application inside an evacuated tube collector on the thermal performance of a domestic hot water system. <i>Energy and Buildings</i> , 2017 , 152, 558-567	7	63
19	Effect of a low cost parabolic reflector on the charging efficiency of an evacuated tube collector/storage system with a PCM. <i>Solar Energy</i> , 2017 , 144, 758-766	6.8	47
18	Modeling of solid fuels combustion in oxygen-enriched atmosphere in circulating fluidized bed boiler: Part 1. The mathematical model of fuel combustion in oxygen-enriched CFB environment. <i>Fuel Processing Technology</i> , 2010 , 91, 290-295	7.2	44
17	Comparison of LCA results of low temperature heat plant using electric heat pump, absorption heat pump and gas-fired boiler. <i>Energy Conversion and Management</i> , 2014 , 87, 647-652	10.6	42
16	Research on an adsorption cooling system supplied by solar energy. <i>Energy and Buildings</i> , 2012 , 51, 15-20		36
15	Modeling of solid fuel combustion in oxygen-enriched atmosphere in circulating fluidized bed boiler. <i>Fuel Processing Technology</i> , 2010 , 91, 364-368	7.2	30
14	Buildings and a district heating network as thermal energy storages in the district heating system. <i>Energy and Buildings</i> , 2018 , 179, 49-56	7	29
13	The use of a PCM heat accumulator to improve the efficiency of the district heating substation. <i>Energy</i> , 2019 , 187, 115885	7.9	12
12	Conceptual adsorption system of cooling and heating supplied by solar energy. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2016 , 37, 293-304		9
11	Analysis of temperature, air humidity and wind conditions for the needs of outdoor thermal comfort. <i>E3S Web of Conferences</i> , 2018 , 44, 00028	0.5	8
10	Exergy analysis of the performance of low-temperature district heating system with geothermal heat pump. <i>Archives of Thermodynamics</i> , 2014 , 35, 77-86		4
9	Life Cycle Assessment of the Use of Phase Change Material in an Evacuated Solar Tube Collector. <i>Energies</i> , 2021 , 14, 4146	3.1	4
8	The use of substations with PCM heat accumulators in district heating system. <i>MATEC Web of Conferences</i> , 2018 , 174, 01002	0.3	3
7	A method of determining the thermal power demand of buildings connected to the district heating system with usage of heat accumulation. <i>E3S Web of Conferences</i> , 2017 , 22, 00180	0.5	2
6	The influence of using heat storage with PCM on inlet and outlet temperatures in substation in DHS. <i>E3S Web of Conferences</i> , 2017 , 22, 00124	0.5	2
5	The impact of ETC/PCM solar energy storage on the energy performance of a building. <i>E3S Web of Conferences</i> , 2019 , 116, 00073	0.5	2
4	Developing a Cold Accumulator with a Capsule Bed Containing Water as a Phase-Change Material. <i>Energies</i> , 2021 , 14, 2703	3.1	1

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| 3 | Environmental aspects of energy supply of buildings in Poland. <i>E3S Web of Conferences</i> , 2018 , 49, 00097 | 0.5 | 1 |
| 2 | Distribution and forecast of air temperature in determining of heat output of the district heating substation with heat storage. <i>E3S Web of Conferences</i> , 2019 , 116, 00094 | 0.5 | 0 |
| 1 | Possibilities of using solar energy in the processes of cooling external zones of people. <i>E3S Web of Conferences</i> , 2018 , 49, 00016 | 0.5 | |