

Vytautas Martinaitis

List of Publications by Year in descending order

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42
papers

776
citations

687363

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501196

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42
all docs

42
docs citations

42
times ranked

814
citing authors

#	ARTICLE	IF	CITATIONS
1	Operation analysis of the developed building ventilation system using turbofans and mechanical wind energy storage. <i>Building and Environment</i> , 2021, 196, 107703.	6.9	3
2	Preliminary Comparison of the Performance of Thermodynamic Models of the Subsonic Ejector and Turbofan. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2020, 66, 325-336.	1.1	2
3	From Entropy Generation to Exergy Efficiency at Varying Reference Environment Temperature: Case Study of an Air Handling Unit. <i>Entropy</i> , 2019, 21, 361.	2.2	4
4	Functionality assessment of building a micro-climate system utilising solar energy in a cold climate. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2019, , .	1.1	0
5	Solar air heating system: design and dynamic simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 353, 012004.	0.6	1
6	Energy performance of a clay tiles solar drying system. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
7	Experimental Evaluation of Turbine Ventilators Performance under Different Test Conditions. <i>E3S Web of Conferences</i> , 2018, 64, 07003.	0.5	1
8	Simulation of Annual Functionality of Roof Turbine Ventilator. <i>E3S Web of Conferences</i> , 2018, 64, 07002.	0.5	0
9	A comparative thermodynamic analysis of air handling units at variable reference temperature. <i>Applied Thermal Engineering</i> , 2018, 143, 385-395.	6.0	13
10	Functional exergy efficiency of an air heat recovery exchanger under varying environmental temperature. <i>International Journal of Exergy</i> , 2018, 25, 93.	0.4	2
11	Analysis of seasonal exergy efficiency of an air handling unit. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
12	Exergy efficiency of a ventilation heat recovery exchanger at a variable reference temperature. <i>Mechanika</i> , 2017, 23, .	0.5	3
13	Validation of Unglazed Transpired Solar Collector Assisted Air Source Heat Pump Simulation Model. <i>Energy Procedia</i> , 2016, 95, 167-174.	1.8	19
14	Concerning exergy efficiency evaluation of heat recovery exchangers for air handling units. <i>International Journal of Exergy</i> , 2016, 20, 381.	0.4	10
15	The exergy efficiency assessment of heat recovery exchanger for air handling units, using a state property "Coenthalpy. <i>Applied Thermal Engineering</i> , 2016, 108, 388-397.	6.0	17
16	Quantitative estimation of improvements in the efficiency of district heating substation control system. <i>Building Services Engineering Research and Technology</i> , 2015, 36, 455-468.	1.8	5
17	Importance of occupancy information when simulating energy demand of energy efficient house: A case study. <i>Energy and Buildings</i> , 2015, 101, 64-75.	6.7	99
18	A QUANTITATIVE EVALUATION OF THEORETICAL RENEWABLE ENERGY POTENTIAL OF THE BUILDING SITE. <i>Journal of Civil Engineering and Management</i> , 2014, 20, 873-883.	3.5	5

#	ARTICLE	IF	CITATIONS
37	CORRECTION OF A DESIGNED BUILDING'S HEAT BALANCE ACCORDING TO ITS REAL HEAT CONSUMPTION. Journal of Civil Engineering and Management, 2003, 9, 98-103.	3.5	7
38	TECHNOLOGICAL MODEL OF BUILDING LIFE CYCLE. Journal of Civil Engineering and Management, 2001, 7, 73-77.	0.0	4
39	THE DEMAND FOR EXERGY DURING THE LIFE CYCLE OF DWELLING HOUSES. Journal of Civil Engineering and Management, 1999, 5, 53-58.	0.0	1
40	PARTICULARITIES OF DETERMINING PRIMARY ENERGY NEEDS FOR BUILDING MATERIALS. Journal of Civil Engineering and Management, 1997, 3, 35-43.	0.0	4
41	FACTORS OF THERMODYNAMICAL APPROACH TO BUILDINGS LIFE CYCLE. Journal of Civil Engineering and Management, 1996, 2, 75-84.	0.0	2
42	Expressing the Building Energy Systems Thermodynamic Seasonal Efficiency. , 0, , .		2