Vytautas Martinaitis

List of Publications by Year in descending order

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

#	Article	IF	CITATIONS
19	THE ANALYSIS OF THE INFLUENCE OF SUSTAINALBITY CRITERIA ON THE EVALUATION OF BUILDING RENOVATION / PASTATŲ ATNAUJINIMO DARNAUS VERTINIMO KRITERIJŲ ĮTAKOS ANALIZĖ. Science: Future Lithuania, 2014, 6, 421-426.	of 0.1	1
20	Evaluation of energy efficiency measures sustainability by decision tree method. Energy and Buildings, 2014, 76, 64-71.	6.7	78
21	The model of sustainable management of building energy performance characteristics. , 2014, , .		1
22	Data File of the Building Site's Renewable Energy Characteristics. Springer Proceedings in Physics, 2014, , 405-410.	0.2	0
23	Multi-objective optimization of shading solutions for a standard family house under Lithuanian conditions. , 2014, , .		1
24	Thermodynamic simulation of solar thermal system. , 2014, , .		0
25	The Framework of an Optimization Model for Building Envelope. Procedia Engineering, 2013, 57, 670-677.	1.2	38
26	A COMPARISON OF THE THERMODYNAMIC EFFICIENCY OF VACUUM TUBE AND FLAT PLATE SOLAR COLLECTOR SYSTEMS / VAKUUMINIŲ IR PLOKÅÄŒIŲJŲ SAULÄ–S KOLEKTORIŲ SISTEMŲ EKSERGINIŲ EFEK PALYGINIMAS. Science: Future of Lithuania, 2013, 5, 404-409.	Г Ү́ø ШMŲ	3
27	ENERGY EFFICIENCY CHALLENGES IN MULTI-APARTMENT BUILDING RENOVATION IN LITHUANIA / IÅÅŪKIAI ENERGIJOS VARTOJIMO EFEKTYVUMUI VYKDANT DAUGIABUČIŲ NAMŲ MODERNIZACIJĄ, LIETUVOJE. Journal Engineering and Management, 2011, 17, 467-475.	of3 Ci vil	29
28	Possibilities of Heat Pump Integration for the Renovation of Dwelling Houses. Environmental and Climate Technologies, 2011, 6, .	0.2	2
29	Assessment of Exergy for Renewable Energy Disposable in the Site of Building. Environmental and Climate Technologies, 2011, 6, 147-153.	0.2	0
30	EVALUATION OF REFURBISHMENT IN MULTI-FLAT BUILDINGS CONSIDERING TERNARY BENEFIT. Science: Future of Lithuania, 2011, 3, 98-104.	0.1	1
31	Degree-days for the exergy analysis of buildings. Energy and Buildings, 2010, 42, 1063-1069.	6.7	28
32	SEARCH FOR OPTIMAL SOLUTION OF PUBLIC BUILDING RENOVATION IN TERMS OF LIFE CYCLE. Journal of Environmental Engineering and Landscape Management, 2010, 18, 102-110.	1.0	38
33	Feasibility of CHP-plants with thermal stores in the German spot market. Applied Energy, 2009, 86, 2308-2316.	10.1	184
34	A two-factor method for appraising building renovation and energy efficiency improvement projects. Energy Policy, 2007, 35, 192-201.	8.8	86
35	AN ESTIMATION OF EXERGY CONSUMPTION PATERNS OF ENERGYâ€INTENSIVE BUILDING SERVICE SYSTEMS. Journal of Civil Engineering and Management, 2006, 12, 37-42.	3.5	13
36	Implementation strategy for small CHP-plants in a competitive market: the case of Lithuania. Applied Energy, 2005, 82, 214-227.	10.1	64

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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