

DuÅ;an KatunskÃ½

List of Publications by Year in descending order

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papers

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933447

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940533

16
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73
all docs

73
docs citations

73
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	Green building outdoor thermal comfort in hot-desert climatic region. Cogent Engineering, 2022, 9, .	2.2	2
2	Influence of Light Reflection from the Wall and Ceiling Due to Color Changes in the Indoor Environment of the Selected Hall. Applied Sciences (Switzerland), 2022, 12, 5154.	2.5	6
3	Opportunities for Using Analytical Hierarchy Process in Green Building Optimization. Energies, 2022, 15, 4490.	3.1	9
4	Influence of the Adaptation of Balconies to Loggias on the Lighting Climate inside an Apartment Building under Cloudy Sky. Sustainability, 2021, 13, 3106.	3.2	2
5	Quantification of Air Change Rate by Selected Methods in a Typical Apartment Building. Buildings, 2021, 11, 174.	3.1	13
6	Assessment of Thermal Insulation Properties of Envelope Structures of a Burgher House in Kosice. Lecture Notes in Civil Engineering, 2021, , 166-173.	0.4	2
7	Historic Building Simulation of the Internal Insulation Behavior in Climate of Slovakia in a Case Study. IOP Conference Series: Materials Science and Engineering, 2021, 1203, 022065.	0.6	0
8	Comparative analysis of selected glass systems by dynamic simulation using measured real environmental conditions. E3S Web of Conferences, 2020, 172, 19009.	0.5	3
9	Wind-Based Parametric Design in the Changing Climate. Applied Sciences (Switzerland), 2020, 10, 8603.	2.5	17
10	Assessment of overcast sky daylight conditions in the premises of engineering operations considering two types of skylights. Building and Environment, 2020, 180, 106976.	6.9	8
11	Influence of Roof Windows Area Changes on the Classroom Indoor Climate in the Attic Space: A Case Study. Sustainability, 2020, 12, 5046.	3.2	11
12	Shape-changing tensegrity-membrane building skin. MATEC Web of Conferences, 2020, 310, 00046.	0.2	0
13	Requirements and opinions of three groups of people (aged under 35, between 35 and 50, and over) Tj ETQq1 1 0.784314 rgBT /Over Assessment Review, 2020, 83, 106385.	9.2	7
14	Wind flow around buildings of basic shapes with and without a wind-adaptive envelope. Selected Scientific Papers: Journal of Civil Engineering, 2020, 15, 59-75.	0.1	1
15	Hybrid design method for wind-adaptive architecture. International Journal of Architectural Computing, 2019, 17, 307-322.	1.5	8
16	The Influence of the Initial Condition in the Transient Thermal Field Simulation Inside a Wall. Buildings, 2019, 9, 178.	3.1	4
17	Visual Comfort Assessment in an Industrial Environment: A Case Study. Environments - MDPI, 2019, 6, 54.	3.3	5
18	The Impact of Various Factors on the Energy Performance of Selected Types of Family Houses. Applied Mechanics and Materials, 2019, 887, 109-116.	0.2	2

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19	Digitally Designed Airport Terminal Using Wind Performance Analysis. Buildings, 2019, 9, 59.	3.1	5
20	VISUAL COMFORT ASSESMENT IN THE OFFICE: A CASE OF STUDY. , 2019, , .		2
21	COMPARISON OF ENERGY EFFICIENCY PROPERTIES OF CHOICE TYPES OF INDIVIDUAL HOUSES. , 2019, , .		0
22	Selected problems of thermal insulation of historical buildings. Selected Scientific Papers: Journal of Civil Engineering, 2019, 14, 67-74.	0.1	4
23	Research of building structures in extreme climate conditions. Selected Scientific Papers: Journal of Civil Engineering, 2019, 14, 127-136.	0.1	0
24	Simulation of visual comfort in selected industrial hall. IOP Conference Series: Materials Science and Engineering, 2018, 415, 012039.	0.6	0
25	Long-term monitoring of the thermal insulation properties of building envelope structures in real climatic conditions. IOP Conference Series: Materials Science and Engineering, 2018, 415, 012031.	0.6	0
26	Structural elements with transparent wood in architecture. International Review of Applied Sciences and Engineering, 2018, 9, 101-106.	0.4	10
27	Daytime Lighting Assessment in Textile Factories Using Connected Windows in Slovakia: A Case Study. Sustainability, 2018, 10, 655.	3.2	11
28	SOLUTION OF THE AIR FLOW IN THE VENTILATED FACADE AND ITS EFFECT ON THE THERMAL CHARACTERISTICS OF THE PERIPHERAL WALL. , 2018, , .		2
29	Shape Design and Analysis of Adaptive Structures. Procedia Engineering, 2017, 190, 7-14.	1.2	14
30	Integrated Lighting Efficiency Analysis in Large Industrial Buildings to Enhance Indoor Environmental Quality. Buildings, 2017, 7, 47.	3.1	18
31	Hygrothermal Initial Conditions - Case Studies. Applied Mechanics and Materials, 2016, 820, 273-278.	0.2	1
32	In situ monitoring of internal surface temperature of the historic building envelope. Selected Scientific Papers: Journal of Civil Engineering, 2016, 11, 77-84.	0.1	3
33	Fallstudie zum Trocknungsverhalten von Außenwandkonstruktionen aus Porenbeton mit Wärmedämmverbundsystem. Bauphysik, 2016, 38, 378-388.	0.5	5
34	External Climatic Conditions and Thermal Humidity Internal Parameters Changes in Working Environment of Production Building. Applied Mechanics and Materials, 2016, 820, 115-120.	0.2	0
35	Selected problems of temperature conditions in the interior of large area of single store halls. , 2016, , .		0
36	Numerical and experimental determination of in-structure temperature profiles. Selected Scientific Papers: Journal of Civil Engineering, 2015, 10, 65-72.	0.1	6

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37	Changing Social Structure in Europe calls for Tailor-made, Barrier-free Living and new Interior Design. Selected Scientific Papers: Journal of Civil Engineering, 2015, 10, 73-82.	0.1	1
38	Dynamic thermal properties of uninsulated rammed earth envelopes. Pollack Periodica, 2015, 10, 103-112.	0.4	1
39	Dynamic Thermal Properties of Uninsulated Rammed Earth Envelopes. Pollack Periodica, 2015, 10, 103-112.	0.4	1
40	Application of Chemical Grouting as an Option of Removing Soil Moisture - a Case Study in the Reconstruction of the Church. Selected Scientific Papers: Journal of Civil Engineering, 2015, 10, 93-102.	0.1	4
41	Dynamic Thermal Properties of Uninsulated Rammed Earth Envelopes. Pollack Periodica, 2015, 10, 103-112.	0.4	0
42	Experimentally Measured Boundary and Initial Conditions for Simulations. Advanced Materials Research, 2014, 1041, 293-296.	0.3	11
43	Numerical Analysis and Measurement Results of a Window Sill. Advanced Materials Research, 2014, 899, 147-150.	0.3	17
44	Measurements of Electricity Consumption In a Low-energy Building in Mid-Europe Climatic Conditions. Energy Engineering: Journal of the Association of Energy Engineers, 2014, 111, 62-78.	0.5	1
45	Analysis of Summer Overheating in Elementary School Building. Advanced Materials Research, 2014, 899, 269-272.	0.3	1
46	Analysis of thermal energy demand and saving in industrial buildings: A case study in Slovakia. Building and Environment, 2013, 67, 138-146.	6.9	64
47	Airtightness of Buildings in Slovakia. Advanced Materials Research, 2013, 649, 3-6.	0.3	9
48	Embodied Energy of Stabilized Rammed Earth. Advanced Materials Research, 2013, 649, 151-154.	0.3	2
49	Effect of Air Heating System Distribution on Temperature Stratification in a Room. Advanced Materials Research, 2013, 649, 33-36.	0.3	0
50	Measuring Methodology and Results of Heat-Air-Moisture Performances at Building Envelope Levels. Advanced Materials Research, 2013, 649, 85-88.	0.3	9
51	Analysis of Energy Balance in Elementary School Building. Advanced Materials Research, 2013, 855, 43-46.	0.3	0
52	Experimentelle Untersuchungen der Temperaturschichtung, Luftqualität und Luftverteilung in Passivhäusern mit Luftheizsystem in Abhängigkeit von der Lage der Zuluftöffnungen. Bauphysik, 2013, 35, 257-265.	0.5	4
53	Impact of shading structure on energy demand and on risk of summer overheating in a low energy building. Energy Procedia, 2012, 14, 1311-1316.	1.8	18
54	Piezoelectric Bender Transducers for Energy Harvesting Applications. Energy Procedia, 2012, 14, 39-44.	1.8	13

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55	Measurements of electric energy consumption in a low energy building in Slovak climatic conditions. Pollack Periodica, 2012, 7, 23-32.	0.4	1
56	Evaluation of Energy Consumption for Heating of Industrial Building in-Situ. Engineering, 2011, 03, 470-477.	0.8	4
57	POSSIBILITY OF CHOICES INDUSTRIAL HALL OBJECT RECONSTRUCTION. , 2011, , .		2
58	Analysis of an Indoor Environment in Year-Round Operation. Advanced Materials Research, 0, 649, 37-40.	0.3	1
59	Transient Pulse Method for Measuring of Heat Conductivity of Autoclaved Aerated Concrete. Advanced Materials Research, 0, 899, 466-469.	0.3	2
60	Numerical Analysis of Window Structure Seating Depth Effects on Surface Temperature and Linear Thermal Transmittance. Advanced Materials Research, 0, 1057, 53-60.	0.3	3
61	Energy Consumption for Heating Considering Interior and Exterior Conditions in Production Buildings. Applied Mechanics and Materials, 0, 824, 511-518.	0.2	0