Joanna Ferdyn-Grygierek

List of Publications by Year
in descending order

24 papers	420 citations	840119 11 h-index	713013 21 g-index
24 all docs	24 docs citations	24 times ranked	397 citing authors

#	Article	IF	Citations
1	Indoor environment quality in the museum building and its effect on heating and cooling demand. Energy and Buildings, 2014, 85, 32-44.	3.1	63
2	Multi-Variable Optimization of Building Thermal Design Using Genetic Algorithms. Energies, 2017, 10, 1570.	1.6	53
3	Monitoring of indoor air parameters in large museum exhibition halls with and without air-conditioning systems. Building and Environment, 2016, 107, 113-126.	3.0	47
4	Multi-Objective Optimization of the Envelope of Building with Natural Ventilation. Energies, 2018, 11, 1383.	1.6	37
5	Energy and Environmental Analysis of Single-Family Houses Located in Poland. Energies, 2020, 13, 2740.	1.6	27
6	Internal environment in the museum building—Assessment and improvement of air exchange and its impact on energy demand for heating. Energy and Buildings, 2015, 92, 45-54.	3.1	25
7	Multi-Objectives Optimization of Ventilation Controllers for Passive Cooling in Residential Buildings. Sensors, 2018, 18, 1144.	2.1	21
8	Thermal Diagnostics of Natural Ventilation in Buildings: An Integrated Approach. Energies, 2019, 12, 4556.	1.6	21
9	HVAC control methods for drastically improved hygrothermal museum microclimates in warm season. Building and Environment, 2019, 149, 90-99.	3.0	20
10	Hygrothermal Risk in Museum Buildings Located in Moderate Climate. Energies, 2020, 13, 344.	1.6	18
11	The Improvement of Thermal Comfort and Air Quality in the Historic Assembly Hall of a University. Indoor and Built Environment, 2012, 21, 332-347.	1.5	14
12	Passive Cooling Solutions to Improve Thermal Comfort in Polish Dwellings. Energies, 2021, 14, 3648.	1.6	12
13	Heat demand and air exchange in a multifamily building — simulation with elements of validation. Building Services Engineering Research and Technology, 2009, 30, 227-240.	0.9	11
14	Analysis of Accuracy Determination of the Seasonal Heat Demand in Buildings Based on Short Measurement Periods. Energies, 2018, 11, 2734.	1.6	9
15	OPTIMIZATION OF WINDOW SIZE DESIGN FOR DETACHED HOUSE USING TRNSYS SIMULATIONS AND GENETIC ALGORITHM. Architecture Civil Engineering Environment, 2017, 10, 133-140.	0.6	9
16	Thermal Comfort and Energy Use with Local Heaters. Energies, 2020, 13, 2912.	1.6	8
17	Proposed Strategies for Improving Poor Hygrothermal Conditions in Museum Exhibition Rooms and Their Impact on Energy Demand. Energies, 2019, 12, 620.	1.6	7
18	Effects of Climate Change on Thermal Comfort and Energy Demand in a Single-Family House in Poland. Buildings, 2021, 11, 595.	1.4	6

#	Article	IF	Citations
19	Analysis of the Environmental Impact in the Life Cycle of a Single-Family House in Poland. Atmosphere, 2022, 13, 245.	1.0	6
20	Effect of calculation zoning on numerical modelling of ventilation airflows. Building Simulation, 2015, 8, 73-79.	3.0	3
21	The Impact of Building Parameters and way of Operation on the Operative Temperature in Rooms. Architecture Civil Engineering Environment, 2018, 11, 107-114.	0.6	2
22	Cooling Demand In Museum Premises â€" Numerical Prediction And Measurement Validation. Architecture Civil Engineering Environment, 2016, 9, 125-135.	0.6	1
23	MULTI-VARIABLE OPTIMIZATION MODELS FOR BUILDING ENVELOPE DESIGN USING ENERGYPLUS SIMULATION AND METAHEURISTIC ALGORITHMS. Architecture Civil Engineering Environment, 2019, 12, 81-90.	0.6	0
24	Analysis of Heat Demand and Thermal Comfort in Naturally Ventilated Single-Family Houses of Various Constructions. Architecture Civil Engineering Environment, 2020, 13, 53-71.	0.6	0