Anatolijs Borodinecs

List of Publications by Year
in descending order

56	462	759233 12	794594 19
papers	citations	h-index	g-index

59	59	59	366
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of impinging jet ventilation on thermal comfort and indoor air quality in office buildings. Energy and Buildings, 2021, 235, 110738.	6.7	48
2	Utilization potential of low temperature hydronic space heating systems: A comparative review. Building and Environment, 2017, 112, 88-98.	6.9	35
3	Aging, Living Environment, and Sustainability: What Should be Taken into Account?. Sustainability, 2020, 12, 1853.	3.2	26
4	Assessment of development scenarios of district heating systems. Sustainable Cities and Society, 2019, 48, 101540.	10.4	25
5	Measurements of moisture production caused by various sources. Energy and Buildings, 2016, 127, 884-891.	6.7	23
6	Correlation of energy efficiency and thermal comfort depending on the ventilation strategy. Procedia Engineering, 2017, 205, 503-510.	1.2	23
7	Analysis of Thermal Parameters of Hemp Fiber Insulation. Energies, 2020, 13, 6385.	3.1	20
8	Key Criteria Across Existing Sustainable Building Rating Tools. Energy Procedia, 2016, 96, 94-99.	1.8	18
9	Analysis of low temperature lift heat pump application in a district heating system for flue gas condenser efficiency improvement. Sustainable Cities and Society, 2020, 57, 102130.	10.4	18
10	Utilization potential of low temperature hydronic space heating systems in Russia. Journal of Building Engineering, 2017, 13, 1-10.	3.4	17
11	Renovation need for apartment buildings in Latvia. Magazine of Civil Engineering, 2017, 68, 58-64.	1.9	16
12	Influence of Building Envelope Thermal Mass on Heating Design Temperature. IOP Conference Series: Materials Science and Engineering, 2015, 96, 012031.	0.6	12
13	Ventilation System Design in Three European Geo Cluster. Energy Procedia, 2016, 96, 285-293.	1.8	12
14	Modular retrofitting solution of buildings based on 3D scanning. Procedia Engineering, 2017, 205, 160-166.	1.2	11
15	Small ammonia heat pumps for space and hot tap water heating. Energy Procedia, 2017, 122, 74-79.	1.8	10
16	The extensive analysis of building energy performance across the Baltic Sea region. Science and Technology for the Built Environment, 2018, 24, 982-993.	1.7	9
17	Feasibility of Reducing Electricity Consumption of Air Conditioning Equipment by Condenser Direct Evaporative Cooling Technology. Example of Case Study in Dubai. Atmosphere, 2021, 12, 1205.	2.3	9
18	Review of Heat Pumps Application Potential in Cold Climate. Advances in Intelligent Systems and Computing, 2018, , 543-554.	0.6	9

#	Article	IF	Citations
19	Cooling Panel with Integrated PCM Layer: A Verified Simulation Study. Energies, 2020, 13, 5715.	3.1	7
20	Mobile Off-Grid Energy Generation Unit for Temporary Energy Supply. Applied Sciences (Switzerland), 2022, 12, 673.	2.5	7
21	Specifics of Building Envelope Air Leakage Problems and Airtightness Measurements. MATEC Web of Conferences, 2016, 73, 02020.	0.2	6
22	Survey Based Evaluation of Indoor Environment in an Administrative Military Facility. Journal of Sustainable Architecture and Civil Engineering, 2020, 27, 96-107.	0.5	6
23	Application of ground-to-air heat exchanger for preheating of supply air. IOP Conference Series: Earth and Environmental Science, 2017, 90, 012002.	0.3	5
24	Evaluation of hybrid heating systems with a combination of fossil and renewable energy sources. IOP Conference Series: Earth and Environmental Science, 2019, 297, 012050.	0.3	5
25	Growth rate of solar thermal systems in Baltic States: Slow but steady wins the race?. Energy Sources, Part B: Economics, Planning and Policy, 2020, 15, 423-435.	3.4	5
26	Concept of Smart City: First Experience from City of Riga. Journal of Sustainable Architecture and Civil Engineering, 2014, 7, .	0.5	5
27	3D scanning data use for modular building renovation based on BIM model. MATEC Web of Conferences, 2018, 251, 03004.	0.2	4
28	Energy saving potential of ventilation systems with exhaust air heat recovery. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012019.	0.6	4
29	Hydrothermal performance of the external wooded frame wall structure reinforced with ballistic panels. E3S Web of Conferences, 2020, 172, 07005.	0.5	4
30	Thermal Conductivity of Hemp Based Boards. Environment Technology Resources Proceedings of the International Scientific and Practical Conference, 0, 1, 61.	0.0	4
31	Enabling the Landscape for Deep Green Renovations. Energy Procedia, 2016, 96, 404-412.	1.8	3
32	A review on potential use of low-temperature water in the urban environment as a thermal-energy source. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012054.	0.6	3
33	Impact of hidden defects on the durability and reliability of gas pipelines in cities. IOP Conference Series: Earth and Environmental Science, 2019, 297, 012046.	0.3	3
34	Energy performance of temporary shelters. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012017.	0.6	3
35	Analysis of Various Ventilation Solutions for Residential and Non-residential Buildings in Latvia and Estonia. Springer Proceedings in Energy, 2019, , 51-61.	0.3	3
36	Assessment of the Efficiency and Reliability of the District Heating Systems Within Different Development Scenarios. Smart Innovation, Systems and Technologies, 2020, , 371-381.	0.6	3

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37	Case Study of Thermal Comfort in a Temporary Shelter. Journal of Sustainable Architecture and Civil Engineering, 2021, 29, 139-149.	0.5	3
38	Solution of Bullet Proof Wooden Frame Construction Panel with a Built-In Air Duct. Buildings, 2022, 12, 30.	3.1	3
39	Estimation of Energy Profile and Possible Energy Savings of Unclassified Buildings. Buildings, 2022, 12, 974.	3.1	3
40	Gradient composite metal-ceramic foam as supportive component for planar SOFCs and MIEC membranes. IOP Conference Series: Materials Science and Engineering, 2011, 23, 012023.	0.6	2
41	Possibility of Thermal Storage System Use with Different Accumulating Material in SPbSTU. MATEC Web of Conferences, 2016, 73, 02010.	0.2	2
42	The Extensive Analysis of Circumstances Between Heat Consumption of Multi-apartment Buildings and Information Campaigns. Energy Procedia, 2016, 96, 945-952.	1.8	2
43	The analysis of the hot water consumption and energy performance before and after renovation in multi-apartment buildings. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012058.	0.6	2
44	Potential of End-User Electricity Peak Load Shift in Latvia. Latvian Journal of Physics and Technical Sciences, 2021, 58, 32-44.	0.6	2
45	Environmental Impact of District Heating System Retrofitting. Atmosphere, 2021, 12, 1110.	2.3	2
46	Solar-optimum design principles for office buildings. MATEC Web of Conferences, 2017, 106, 06019.	0.2	1
47	Smart Concept expansion from local to city scale. MATEC Web of Conferences, 2018, 245, 16002.	0.2	1
48	Analysis of Specificity of ecological insulation material thermal Parameters. MATEC Web of Conferences, 2018, 251, 01011.	0.2	1
49	Analysis of Micro CHP Potential in Latvia. Applied Mechanics and Materials, 0, 725-726, 1589-1595.	0.2	0
50	Centralized hot tap water systems calculationâ€™s specifics. MATEC Web of Conferences, 2018, 245, 07004.	0.2	0
51	Economical aspects of water-mist assisted air-cooled chillers usage in the temperate climate. MATEC Web of Conferences, 2018, 245, 06013.	0.2	0
52	Analysis of centralized hot tap water systems calculationâ€™s specifics. MATEC Web of Conferences, 2018, 245, 06011.	0.2	0
53	A review study on specific requirements for refurbishment of military buildings in cold climates. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012016.	0.6	0
54	Development of Prefabricated Modular Retrofitting Solution for Post-World War II Buildings. , 0, , .		0

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55	A study of the passive cooling potential in simulated building in Latvian climate conditions. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012052.	0.6	0
56	Evaluation of the Building Stock Thermal Performance under Various Building Code Compliance Scenarios: The Case of Latvia. , 2020, , .		0