

# Anatolijs Borodinecs

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

462  
citations

758635

12  
h-index

794141

19  
g-index

59  
all docs

59  
docs citations

59  
times ranked

366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of impinging jet ventilation on thermal comfort and indoor air quality in office buildings. <i>Energy and Buildings</i> , 2021, 235, 110738.	3.1	48
2	Utilization potential of low temperature hydronic space heating systems: A comparative review. <i>Building and Environment</i> , 2017, 112, 88-98.	3.0	35
3	Aging, Living Environment, and Sustainability: What Should be Taken into Account?. <i>Sustainability</i> , 2020, 12, 1853.	1.6	26
4	Assessment of development scenarios of district heating systems. <i>Sustainable Cities and Society</i> , 2019, 48, 101540.	5.1	25
5	Measurements of moisture production caused by various sources. <i>Energy and Buildings</i> , 2016, 127, 884-891.	3.1	23
6	Correlation of energy efficiency and thermal comfort depending on the ventilation strategy. <i>Procedia Engineering</i> , 2017, 205, 503-510.	1.2	23
7	Analysis of Thermal Parameters of Hemp Fiber Insulation. <i>Energies</i> , 2020, 13, 6385.	1.6	20
8	Key Criteria Across Existing Sustainable Building Rating Tools. <i>Energy Procedia</i> , 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. <i>Sustainable Cities and Society</i> , 2020, 57, 102130.	5.1	18
10	Utilization potential of low temperature hydronic space heating systems in Russia. <i>Journal of Building Engineering</i> , 2017, 13, 1-10.	1.6	17
11	Renovation need for apartment buildings in Latvia. <i>Magazine of Civil Engineering</i> , 2017, 68, 58-64.	1.9	16
12	Influence of Building Envelope Thermal Mass on Heating Design Temperature. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 96, 012031.	0.3	12
13	Ventilation System Design in Three European Geo Cluster. <i>Energy Procedia</i> , 2016, 96, 285-293.	1.8	12
14	Modular retrofitting solution of buildings based on 3D scanning. <i>Procedia Engineering</i> , 2017, 205, 160-166.	1.2	11
15	Small ammonia heat pumps for space and hot tap water heating. <i>Energy Procedia</i> , 2017, 122, 74-79.	1.8	10
16	The extensive analysis of building energy performance across the Baltic Sea region. <i>Science and Technology for the Built Environment</i> , 2018, 24, 982-993.	0.8	9
17	Feasibility of Reducing Electricity Consumption of Air Conditioning Equipment by Condenser Direct Evaporative Cooling Technology. Example of Case Study in Dubai. <i>Atmosphere</i> , 2021, 12, 1205.	1.0	9
18	Review of Heat Pumps Application Potential in Cold Climate. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 543-554.	0.5	9

#	ARTICLE	IF	CITATIONS
19	Cooling Panel with Integrated PCM Layer: A Verified Simulation Study. <i>Energies</i> , 2020, 13, 5715.	1.6	7
20	Mobile Off-Grid Energy Generation Unit for Temporary Energy Supply. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 673.	1.3	7
21	Specifics of Building Envelope Air Leakage Problems and Airtightness Measurements. <i>MATEC Web of Conferences</i> , 2016, 73, 02020.	0.1	6
22	Survey Based Evaluation of Indoor Environment in an Administrative Military Facility. <i>Journal of Sustainable Architecture and Civil Engineering</i> , 2020, 27, 96-107.	0.3	6
23	Application of ground-to-air heat exchanger for preheating of supply air. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 90, 012002.	0.2	5
24	Evaluation of hybrid heating systems with a combination of fossil and renewable energy sources. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 297, 012050.	0.2	5
25	Growth rate of solar thermal systems in Baltic States: Slow but steady wins the race?. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2020, 15, 423-435.	1.8	5
26	Concept of Smart City: First Experience from City of Riga. <i>Journal of Sustainable Architecture and Civil Engineering</i> , 2014, 7, .	0.3	5
27	3D scanning data use for modular building renovation based on BIM model. <i>MATEC Web of Conferences</i> , 2018, 251, 03004.	0.1	4
28	Energy saving potential of ventilation systems with exhaust air heat recovery. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 660, 012019.	0.3	4
29	Hydrothermal performance of the external wooded frame wall structure reinforced with ballistic panels. <i>E3S Web of Conferences</i> , 2020, 172, 07005.	0.2	4
30	Thermal Conductivity of Hemp Based Boards. <i>Environment Technology Resources Proceedings of the International Scientific and Practical Conference</i> , 0, 1, 61.	0.0	4
31	Enabling the Landscape for Deep Green Renovations. <i>Energy Procedia</i> , 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. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 251, 012054.	0.3	3
33	Impact of hidden defects on the durability and reliability of gas pipelines in cities. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 297, 012046.	0.2	3
34	Energy performance of temporary shelters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 660, 012017.	0.3	3
35	Analysis of Various Ventilation Solutions for Residential and Non-residential Buildings in Latvia and Estonia. <i>Springer Proceedings in Energy</i> , 2019, , 51-61.	0.2	3
36	Assessment of the Efficiency and Reliability of the District Heating Systems Within Different Development Scenarios. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 371-381.	0.5	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.	0.3	3
38	Solution of Bullet Proof Wooden Frame Construction Panel with a Built-In Air Duct. Buildings, 2022, 12, 30.	1.4	3
39	Estimation of Energy Profile and Possible Energy Savings of Unclassified Buildings. Buildings, 2022, 12, 974.	1.4	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.	0.3	2
41	Possibility of Thermal Storage System Use with Different Accumulating Material in SPbSTU. MATEC Web of Conferences, 2016, 73, 02010.	0.1	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.	0.3	2
44	Potential of End-User Electricity Peak Load Shift in Latvia. Latvian Journal of Physics and Technical Sciences, 2021, 58, 32-44.	0.4	2
45	Environmental Impact of District Heating System Retrofitting. Atmosphere, 2021, 12, 1110.	1.0	2
46	Solar-optimum design principles for office buildings. MATEC Web of Conferences, 2017, 106, 06019.	0.1	1
47	Smart Concept expansion from local to city scale. MATEC Web of Conferences, 2018, 245, 16002.	0.1	1
48	Analysis of Specificity of ecological insulation material thermal Parameters. MATEC Web of Conferences, 2018, 251, 01011.	0.1	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.	0.1	0
51	Economical aspects of water-mist assisted air-cooled chillers usage in the temperate climate. MATEC Web of Conferences, 2018, 245, 06013.	0.1	0
52	Analysis of centralized hot tap water systems calculationâ€™s specifics. MATEC Web of Conferences, 2018, 245, 06011.	0.1	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.	0.3	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.	0.3	0
56	Evaluation of the Building Stock Thermal Performance under Various Building Code Compliance Scenarios: The Case of Latvia. , 2020, , .		0