

AntonÃ- n LupÃ- Åjek

List of Publications by Year in descending order

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22
papers

257
citations

1040056

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g-index

24
all docs

24
docs citations

24
times ranked

269
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon budgets for buildings: harmonising temporal, spatial and sectoral dimensions. Buildings and Cities, 2020, 1, 429-452.	2.3	50
2	Environmental benchmarks for buildings: needs, challenges and solutions – 71st LCA forum, Swiss Federal Institute of Technology, Zürich, 18 June 2019. International Journal of Life Cycle Assessment, 2019, 24, 2272-2280.	4.7	38
3	Recommendations for Developing a BIM for the Purpose of LCA in Green Building Certifications. Sustainability, 2020, 12, 6151.	3.2	27
4	Design Strategies for Low Embodied Carbon and Low Embodied Energy Buildings: Principles and Examples. Energy Procedia, 2015, 83, 147-156.	1.8	18
5	Application of building design strategies to create an environmentally friendly building envelope for nearly zero-energy buildings in the central European climate. Energy and Buildings, 2018, 165, 35-46.	6.7	18
6	New trends in sustainability assessment systems – based on top-down approach and stakeholders needs. International Journal of Sustainable Building Technology and Urban Development, 2012, 3, 256-269.	1.0	15
7	Environmental impact comparison of a ventilated and a non-ventilated building-integrated photovoltaic rooftop design in the Netherlands: Electricity output, energy payback time, and land claim. Solar Energy, 2017, 155, 304-313.	6.1	11
8	Design strategies for buildings with low embodied energy. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2017, 170, 65-80.	0.7	11
9	SBToolCZ: Sustainability rating system in the Czech Republic. International Journal of Sustainable Building Technology and Urban Development, 2013, 4, 46-52.	1.0	10
10	Development and Testing of Environmentally Friendly Envelope for Energy Efficient Buildings in the Czech Republic. Energy Procedia, 2015, 78, 285-290.	1.8	8
11	Carbon dioxide emissions embodied in international trade in Central Europe between 1995 and 2008. Moravian Geographical Reports, 2015, 23, 2-13.	1.2	7
12	First Stepping Stones of Alternative Refurbishment Modular System Leading to Zero Energy Buildings. Energy Procedia, 2017, 111, 121-130.	1.8	7
13	Selection of Favourable Concept of Energy Retrofitting Solution for Social Housing in the Czech Republic Based on Economic Parameters, Greenhouse Gases, and Primary Energy Consumption. Sustainability, 2019, 11, 6482.	3.2	6
14	Carbon Benchmark for Czech Residential Buildings Based on Climate Goals Set by the Paris Agreement for 2030. Sustainability, 2019, 11, 6085.	3.2	5
15	Major European Stressors and Potential of Available Tools for Assessment of Urban and Buildings Resilience. Sustainability, 2020, 12, 7554.	3.2	5
16	Czech Building Stock: Renovation Wave Scenarios and Potential for CO2 Savings until 2050. Energies, 2021, 14, 2455.	3.1	5
17	High Performance Concrete for Environmentally Efficient Building Structures. Key Engineering Materials, 0, 691, 272-284.	0.4	4
18	Embodied Energy and Global Warming Potential of Radon Preventive Measures Applied in New Family Houses. Smart Innovation, Systems and Technologies, 2022, , 57-68.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Envimat.cz – Online Database of Environmental Profiles of Building Materials and Structures. IFIP Advances in Information and Communication Technology, 2011, , 272-279.	0.7	3
20	National platform for LCA data on building elements in the context of the Czech Republic. International Journal of Sustainable Building Technology and Urban Development, 2012, 3, 277-284.	1.0	2
21	Methodology for assessment of resilience of multifamily residential houses in central Europe. Journal of Physics: Conference Series, 2019, 1343, 012186.	0.4	1
22	Leichte Elementfassade auf Holzbasis zur Modernisierung von Nichtwohnhäusern. Stahlbau, 2016, 85, 321-333.	0.1	0