

Folke Björk

List of Publications by Year in descending order

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41
papers

591
citations

759233

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642732

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41
all docs

41
docs citations

41
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-criteria decision-making system for sustainable building assessment/certification. Archives of Civil and Mechanical Engineering, 2015, 15, 11-18.	3.8	128
2	OWNER PREFERENCES REGARDING RENOVATION MEASURES – THE DEMONSTRATION OF USING MULTI-CRITERIA DECISION MAKING / SAVININKĀ ² TEIKĀMI PRIORITĒTAI PĀSTĀTĀ ² ATNAUJINĀMO PRIEMĒNĀ–MS: DAUGĀKRĪTERĪNĪĀ ² SPRENDĪMO PRIĒ–MĪMO METODĀ ² TĀIKYMO PĀVYZDĪYS. Journal of Civil Engineering and Management, 2011, 17, 284-295.	3.5	52
3	Energy mapping of existing building stock in Sweden – Analysis of data from Energy Performance Certificates. Energy and Buildings, 2017, 153, 341-355.	6.7	51
4	Properties of thermal insulation materials during extreme environment changes. Construction and Building Materials, 2009, 23, 2189-2195.	7.2	36
5	Sustainable Renovation Strategy in the Swedish Million Homes Programme: A Case Study. Sustainability, 2016, 8, 388.	3.2	30
6	Measurement of alkalinity in concrete by a simple procedure, to investigate transport of alkaline material from the concrete slab to a self-levelling screed. Construction and Building Materials, 2002, 16, 535-542.	7.2	24
7	Degradation of components in flooring systems in humid and alkaline environments. Construction and Building Materials, 2003, 17, 213-221.	7.2	24
8	Sustainable refurbishment in building technology. Smart and Sustainable Built Environment, 2012, 1, 241-252.	4.0	21
9	A methodology for the calculation of response functions for geothermal fields with arbitrarily oriented boreholes – Part 2. Renewable Energy, 2016, 86, 1353-1361.	8.9	20
10	Cleaner energy scenarios for building clusters in campus areas based on the Rational Exergy Management Model. Journal of Cleaner Production, 2017, 155, 72-82.	9.3	19
11	Frost formation and condensation in stone–wool insulations. Construction and Building Materials, 2009, 23, 1775-1787.	7.2	17
12	Stress relaxation of a nitrile rubber surrounded by an oil that increases the network density. Polymer, 1990, 31, 1649-1657.	3.8	12
13	A laboratory equipment for the study of moisture processes in thermal insulation materials when placed in a temperature field. Construction and Building Materials, 2008, 22, 2335-2344.	7.2	12
14	Dynamic mechanical properties of single-ply roof coverings for low-slope roofs and the influence of water. Polymer Testing, 1993, 12, 35-56.	4.8	11
15	Influence of the formation of an oxidized layer on the dynamic-mechanical properties of natural rubber. Polymer Testing, 1985, 5, 245-254.	4.8	10
16	Wind load resistance of heat-welded seams in polymer-modified bituminous roofing membranes. Construction and Building Materials, 1996, 10, 161-168.	7.2	10
17	Study on seam performance of polymer-modified bituminous roofing membranes using T-peel test and microscopy. Materials and Structures/Materiaux Et Constructions, 1996, 29, 105-115.	3.1	8
18	Air gaps in building construction avoiding dampness and mould. Structural Survey, 2008, 26, 242-255.	1.0	8

#	ARTICLE	IF	CITATIONS
19	The application of the parametric analysis for improved energy design of a ground source heat pump for residential buildings. <i>Energy and Buildings</i> , 2013, 63, 119-128.	6.7	8
20	Turning building renovation measures into energy saving opportunities. <i>Structural Survey</i> , 2015, 33, 133-149.	1.0	8
21	Efficiency of antioxidants in thick-walled natural rubber samples evaluated by differential scanning calorimetry and compression stress-relaxation. <i>Journal of Applied Polymer Science</i> , 1986, 31, 487-492.	2.6	7
22	The relationship between welding temperature and T-peel strength of heat-welded seams in single-ply roof-coverings. <i>Journal of Adhesion Science and Technology</i> , 1993, 7, 987-999.	2.6	7
23	Welding methods with reduced fire hazard for single-ply polymer-modified bituminous roofing materials. <i>Fire and Materials</i> , 1994, 18, 351-358.	2.0	7
24	Joints between roofing felt and sheet metal flashings – short- and long-term tests. <i>Construction and Building Materials</i> , 2000, 14, 375-383.	7.2	7
25	Comparative life-cycle assessment for renovation methods of waste water sewerage systems for apartment buildings. <i>Journal of Building Engineering</i> , 2018, 19, 98-108.	3.4	7
26	Air Gap Method: measurements of airflow inside air gaps of walls. <i>Structural Survey</i> , 2008, 26, 343-363.	1.0	6
27	Quality assessment of building products by the micro-scale headspace vial (MHV) method and HS-SPME for monitoring the emission of hydrolysis products from phthalates. <i>Polymer Degradation and Stability</i> , 2009, 94, 914-920.	5.8	6
28	Endurance of rubber-to-metal joints in hot water: comparison between two different stripping test methods. <i>Polymer Testing</i> , 1986, 6, 369-377.	4.8	5
29	Air Gap Method: drying of a concrete slab on ground construction. <i>Structural Survey</i> , 2010, 28, 281-299.	1.0	5
30	Investigation of the emissions from an acrylate and a carpet adhesive in humid and alkaline environments by the micro-scale headspace vial (MHV) method. <i>Polymer Degradation and Stability</i> , 2010, 95, 1877-1882.	5.8	5
31	Air Gap Method: Dependence of water removal on RH in room and height of floor air gap. <i>Building and Environment</i> , 2012, 56, 1-7.	6.9	5
32	Performance of EPDM-rubber glazing gaskets: the effects of 6 years' external exposure in Sweden. <i>Construction and Building Materials</i> , 1993, 7, 67-71.	7.2	3
33	Wind load resistance tests of heat-welded joints between roofing felt and sheet metal flashings. <i>Construction and Building Materials</i> , 2003, 17, 319-324.	7.2	3
34	Effects of trans-polyoctenylene on the mechanical properties of NBR. <i>Journal of Applied Polymer Science</i> , 1987, 34, 2649-2655.	2.6	2
35	Performance of modern products for underlay in residential buildings. <i>Construction and Building Materials</i> , 1997, 11, 109-118.	7.2	2
36	Roof membranes – The Swedish practice in light of EOTA TB 97/24/9.3.1 PT3 Durability. <i>Materials and Structures/Materiaux Et Constructions</i> , 2000, 33, 270-277.	3.1	2

#	ARTICLE	IF	CITATIONS
37	Durability study of reinforced polyester composite used as pipe lining under artificial aging conditions. Cogent Engineering, 2019, 6, .	2.2	2
38	Joint strength of single-ply roof coverings adhered to sheet metal. Construction and Building Materials, 1994, 8, 51-54.	7.2	1
39	Single-ply roof coverings on flat roofs. Construction and Building Materials, 1993, 7, 249-251.	7.2	0
40	Non-destructive evaluation of heat-welded seams of roof coverings. Building Research and Information, 1994, 22, 87-94.	3.9	0
41	A Simulation Approach towards a Sustainable Building Design Based on Energy Analysis. , 2012, , .		0