

Azra Korjenic

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

1,272
citations

18
h-index

34
g-index

82
ext. papers

1,499
ext. citations

3.2
avg, IF

4.89
L-index

#	Paper	IF	Citations
80	Development and performance evaluation of natural thermal-insulation materials composed of renewable resources. <i>Energy and Buildings</i> , 2011, 43, 2518-2523	7	228
79	Performance evaluation and research of alternative thermal insulations based on sheep wool. <i>Energy and Buildings</i> , 2012, 49, 246-253	7	128
78	The use of insulating materials based on natural fibers in combination with plant facades in building constructions. <i>Energy and Buildings</i> , 2016, 116, 45-58	7	83
77	Thermal conductivity of unfired earth bricks reinforced by agricultural wastes with cement and gypsum. <i>Energy and Buildings</i> , 2015, 104, 139-146	7	75
76	Impacts of climate change upon cooling and heating energy demand of office buildings in Vienna, Austria. <i>Energy and Buildings</i> , 2014, 80, 517-530	7	72
75	The influence of natural reinforcement fibers, gypsum and cement on compressive strength of earth bricks materials. <i>Construction and Building Materials</i> , 2016, 106, 179-188	6.7	64
74	Analysis of thermal energy demand and saving in industrial buildings: A case study in Slovakia. <i>Building and Environment</i> , 2013, 67, 138-146	6.5	53
73	Improving the energy efficiency in buildings while reducing the waste using autoclaved aerated concrete made from power industry waste. <i>Energy and Buildings</i> , 2013, 58, 319-323	7	37
72	The effect of living wall systems on the thermal resistance of the fa de. <i>Energy and Buildings</i> , 2017 , 135, 10-19	7	37
71	Sheep Wool as a Construction Material for Energy Efficiency Improvement. <i>Energies</i> , 2015, 8, 5765-5781	3.1	32
70	Impacts of urban location and climate change upon energy demand of office buildings in Vienna, Austria. <i>Building and Environment</i> , 2014, 81, 258-269	6.5	30
69	Validation and evaluation of total energy use in office buildings: A case study. <i>Automation in Construction</i> , 2012, 23, 64-70	9.6	30
68	Hygrothermal properties of building envelopes: Reliability of the effectiveness of energy saving. <i>Energy and Buildings</i> , 2013, 57, 187-192	7	29
67	The effect of an indoor living wall system on humidity, mould spores and CO 2 -concentration. <i>Energy and Buildings</i> , 2017, 146, 73-86	7	26
66	Increasing the indoor humidity levels in buildings with ventilation systems: Simulation aided design in case of passive houses. <i>Building Simulation</i> , 2010, 3, 295-310	3.9	23
65	Impacts of external insulation and reduced internal heat loads upon energy demand of offices in the context of climate change in Vienna, Austria. <i>Journal of Building Engineering</i> , 2016, 5, 86-95	5.2	20
64	Hygrothermal initial condition for simulation process of green building construction. <i>Energy and Buildings</i> , 2018, 167, 166-176	7	19

63	Developing a model for fibrous building materials. <i>Energy and Buildings</i> , 2011 , 43, 3189-3199	7	19
62	Equilibrium moisture content of earth bricks biocomposites stabilized with cement and gypsum. <i>Cement and Concrete Composites</i> , 2015 , 59, 18-25	8.6	16
61	Transformation of Fundamental Parameters for Energy Demand and Indoor Temperature from Room Level to Building Level. <i>Journal of Building Physics</i> , 2010 , 33, 327-355	2.6	16
60	Analysis and comparison of environmental impacts and cost of bio-based house versus concrete house. <i>Journal of Cleaner Production</i> , 2017 , 161, 968-976	10.3	15
59	Diffusion of moisture into building materials: A model for moisture transport. <i>Energy and Buildings</i> , 2014 , 68, 558-561	7	15
58	Hotter and colder – How Do Photovoltaics and Greening Impact Exterior Facade Temperatures: The synergies of a Multifunctional System. <i>Energy and Buildings</i> , 2017 , 147, 123-141	7	14
57	An analytical solution of a moisture transfer problem for coupled room and building component. <i>Energy and Buildings</i> , 2012 , 47, 254-259	7	13
56	Bewertung und Optimierung von dynamischen Dampfsystemen unter Berücksichtigung des Wiener Klimas. <i>Bauphysik</i> , 2011 , 33, 49-58	0.4	13
55	Environmentally efficient thermal and acoustic insulation based on natural and waste fibers. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 2156-2161	3.5	13
54	Impact of lifestyle on the energy demand of a single family house. <i>Building Simulation</i> , 2011 , 4, 89-95	3.9	12
53	Analysis for improving the passive cooling of buildings surroundings through the creation of green spaces in the urban built-up area. <i>Energy and Buildings</i> , 2017 , 148, 166-181	7	11
52	Green buffer space influences on the temperature of photovoltaic modules: Multifunctional system: Building greening and photovoltaic. <i>Energy and Buildings</i> , 2017 , 146, 364-382	7	10
51	Beitrag zur Lösung des Problems der Algenbildung auf Außenwänden mit Wärmedämmverbundsystemen (WDVS). <i>Bauphysik</i> , 2009 , 31, 343-353	0.4	8
50	Einfluss von Wärmedämmverbundsystemen auf das Sommerverhalten von Gebäuden. <i>Bauphysik</i> , 2011 , 33, 225-233	0.4	7
49	Study of Behaviour of Advanced Silicate Materials for Thermal and Moisture Rehabilitation of Buildings. <i>Advanced Materials Research</i> , 2013 , 649, 167-170	0.5	6
48	Greening Aspang – Hygrothermische Gebäudesimulation zur Bestandsanalyse und Bewertung unterschiedlicher Szenarien bezogen auf das Innenraumklima. <i>Bauphysik</i> , 2018 , 40, 120-130	0.4	6
47	Schafwolle als alternativer Wärmedämmstoff und ihr hygrothermisches Verhalten. <i>Bauphysik</i> , 2014 , 36, 249-256	0.4	5
46	Advanced, Thermal Insulation Materials Suitable for Insulation and Repair of Buildings. <i>Advanced Materials Research</i> , 2013 , 688, 54-59	0.5	5

45	Kastenfenster-Optimierung im historischen Bestand. <i>Bauphysik</i> , 2013, 35, 107-118	0.4	5
44	Greening Aspang I Messtechnische Untersuchungen zur ganzheitlichen Betrachtung mikroklimatischer Wechselwirkungen in einem Straßenzug einer urbanen Hitzeinsel. <i>Bauphysik</i> , 2018, 40, 105-119	0.4	5
43	Fallstudie zum Trocknungsverhalten von Außenwandkonstruktionen aus Porenbeton mit Wärmedämmverbundsystem. <i>Bauphysik</i> , 2016, 38, 378-388	0.4	4
42	ökologische und ökonomische Gebäudebewertung für ein Einfamilienhaus in Varianten. <i>Bauphysik</i> , 2016, 38, 88-97	0.4	4
41	Abbildung der wärmedämmenden Wirkung eines fassadengebundenen Begrünungssystems in einem Simulationsmodell. <i>Bauphysik</i> , 2019, 41, 155-161	0.4	4
40	Entwicklung eines Wärmedämmputzes mit Naturfasern und Untersuchung des Wärme- und Feuchteverhaltens. <i>Bauphysik</i> , 2017, 39, 261-271	0.4	4
39	The revival of the traditional Bosnian wood dwellings. <i>Energy Efficiency</i> , 2011, 4, 547-558	3	4
38	Quantification of safety factors for simplified heating and cooling demand calculation methods for Vienna. <i>Building Simulation</i> , 2011, 4, 189-204	3.9	4
37	Laboratory measurement of thermal distribution throughout the insulation materials using the Peltier module while managing elimination of external influences. <i>Energy and Buildings</i> , 2016, 128, 336-348	4	4
36	Health-Related Benefits of Different Indoor Plant Species in a School Setting. <i>Sustainability</i> , 2021, 13, 9566	3.6	4
35	Evaluation the hygrothermal effects of integration the vegetation into the building envelope. <i>Energy and Buildings</i> , 2017, 136, 121-138	7	3
34	Ansätze zur ökonomischen Bewertung vertikaler Begrünungssysteme. <i>Bauphysik</i> , 2019, 41, 38-54	0.4	3
33	Thermal bridges of living wall systems. <i>Energy and Buildings</i> , 2019, 205, 109522	7	3
32	Study of Heat Transfer Process in Structure of Thermal Insulating Materials Based on Natural Fibers. <i>Advanced Materials Research</i> , 2014, 1000, 227-230	0.5	3
31	Experimentelle Untersuchungen der Temperaturschichtung, Luftqualität und Luftverteilung in Passivhäusern mit Luftheizsystem in Abhängigkeit von der Lage der Zuluftöffnungen. <i>Bauphysik</i> , 2013, 35, 257-265	0.4	3
30	Evaluation of Energy Consumption for Heating of Industrial Building in-Situ. <i>Engineering</i> , 2011, 03, 470-474	3	3
29	Indirect Economic Effects of Vertical Indoor Green in the Context of Reduced Sick Leave in Offices. <i>Sustainability</i> , 2021, 13, 2256	3.6	3
28	Rice Straw and Flax Fiber Particleboards as a Product of Agricultural Waste: An Evaluation of Technical Properties. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3878	2.6	2

27	A simplified method for defining air humidification and dehumidification requirements. <i>Heat and Mass Transfer</i> , 2012 , 48, 1791-1802	2.2	2
26	Development and validation of a new method for determining humidification and dehumidification needs. <i>Applied Thermal Engineering</i> , 2012 , 40, 275-283	5.8	2
25	Investigation of Thermal Insulation Materials Based on Easy Renewable Raw Materials from Agriculture. <i>Advanced Materials Research</i> , 2011 , 335-336, 1412-1417	0.5	2
24	Evaluation and Planning Decision on Façade Greening Made Easy!Integration in BIM and Implementation of an Automated Design Process. <i>Sustainability</i> , 2021 , 13, 9387	3.6	2
23	Berechnung der Kälgestehungskosten von fassadengebundenen Begrüßungssystemen im städtischen Raum. <i>Bauphysik</i> , 2019 , 41, 120-124	0.4	1
22	Feuchteeinträge in die Außenwandkonstruktion von Untergeschossen aufgrund von Kletterpflanzen. <i>Bauphysik</i> , 2020 , 42, 246-254	0.4	1
21	Advantages of an Interdisciplinary Approach to the Sustainable Development of Two Scenarios in Bosnia and Herzegovina. <i>Buildings</i> , 2019 , 9, 143	3.2	1
20	Nistplätze für Gebüdebrüder – Untersuchung bestehender und Entwicklung optimierter Fassadennistkästen. <i>Bauphysik</i> , 2019 , 41, 162-168	0.4	1
19	Bauphysikalische, Biologische und Ökonomische Bewertung von geförderten Sanierungskonzepten in Wien. <i>Bauphysik</i> , 2009 , 31, 163-173	0.4	1
18	Engineering Parameters of Rice Straw Concrete with Granulated Blast Furnace Slag. <i>Energies</i> , 2021 , 14, 343	3.1	1
17	Untersuchungen zum ganzjährigen Wärmeschutz an Varianten eines kombinierten Dachaufbaus mit Photovoltaik und Begrüßung. <i>Bauphysik</i> , 2018 , 40, 131-142	0.4	1
16	Hygro-Thermal Behaviour of Timber Frame Straw Bale Construction as an Energy Efficient Building Technology. <i>Advanced Materials Research</i> , 2014 , 1041, 92-95	0.5	0
15	GREEN: Cool & CareResearch and Development of Greening Measures in Nursing Homes in Austria. Technical and Social Interconnections. <i>Sustainability</i> , 2021 , 13, 11469	3.6	0
14	Untersuchung der hygrothermischen Eigenschaften eines Biologischen Bodenaufbaus aus Lehm. <i>Bauphysik</i> , 2020 , 42, 116-123	0.4	0
13	Bauphysikalische Untersuchungen von mit Leinwandfurnis stabilisierten und beschichteten Lehmputzen. <i>Bauphysik</i> , 2021 , 43, 382-388	0.4	0
12	Sustainable Materials with Potential Application as Core Materials in Vacuum Insulations. <i>Applied Mechanics and Materials</i> , 2019 , 887, 90-97	0.3	
11	Development of a Bio-Solar House Model for Egyptian Conditions. <i>Energies</i> , 2020 , 13, 817	3.1	
10	Improvement of Low Inner Surface Temperature with Use of Linear Heating Component. <i>Advanced Materials Research</i> , 2014 , 1041, 206-209	0.5	

9	Development of Advanced Masonry Structures with Utilization of Alternative Thermal Insulating Materials. <i>Advanced Materials Research</i> , 2014 , 897, 113-116	0.5
8	Development of Thermal Insulating Plasters with Regulated Capillary Activity. <i>Advanced Materials Research</i> , 2014 , 1000, 223-226	0.5
7	Non-Traditional Thermal-Insulating and Rehabilitation Materials and their Hygrothermal Behaviour. <i>Advanced Materials Research</i> , 2014 , 1041, 59-62	0.5
6	Bautechnisch-bauphysikalische Beurteilung der Wirksamkeit energetischer Sanierungen am Beispiel städtischer Wohnhausanlagen in Wien. <i>Bauphysik</i> , 2007 , 29, 288-295	0.4
5	Untersuchung der thermisch-hygrischen Eigenschaften von Ziegeln mit Hohlräumfüllung aus Recyclingmaterial. <i>Bauphysik</i> , 2004 , 26, 1-5	0.4
4	Energy-efficient Renovation of a Real Estate in AUSTRIA. <i>Selected Scientific Papers: Journal of Civil Engineering</i> , 2015 , 10, 147-154	0.3
3	Development of Lightweight, Remediation Plasters and Study of their Moisture Behavior. <i>Key Engineering Materials</i> , 2016 , 714, 72-77	0.4
2	Untersuchung des Feuchteintrags in erdberührtes Ziegelmauerwerk durch die Bewässerung von Kletterpflanzen. <i>Bauphysik</i> , 2022 , 44, 64-72	0.4
1	Einfluss einer Luftaufbereitungsanlage auf flüchtige organische Verbindungen unter Realbedingungen. <i>Bauphysik</i> , 2021 , 43, 389-399	0.4