

Arianna Brambilla

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

479
citations

840728

11
h-index

713444

21
g-index

36
all docs

36
docs citations

36
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	Nearly zero energy building renovation: From energy efficiency to environmental efficiency, a pilot case study. <i>Energy and Buildings</i> , 2018, 166, 271-283.	6.7	78
2	Mould growth in energy efficient buildings: Causes, health implications and strategies to mitigate the risk. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110093.	16.4	77
3	In search of optimal consumption: A review of causes and solutions to the Energy Performance Gap in residential buildings. <i>Energy and Buildings</i> , 2021, 249, 111253.	6.7	46
4	Preventing overheating in offices through thermal inertial properties of compressed earth bricks: A study on a real scale prototype. <i>Energy and Buildings</i> , 2017, 156, 281-292.	6.7	42
5	How correlated colour temperature manipulates human thermal perception and comfort. <i>Building and Environment</i> , 2020, 177, 106929.	6.9	38
6	Bridging biophilic design and environmentally sustainable design: A critical review. <i>Journal of Cleaner Production</i> , 2021, 283, 124591.	9.3	36
7	On the Influence of Thermal Mass and Natural Ventilation on Overheating Risk in Offices. <i>Buildings</i> , 2018, 8, 47.	3.1	32
8	Hygrothermal behaviour of emerging timber-based envelope technologies in Australia: A preliminary investigation on condensation and mould growth risk. <i>Journal of Cleaner Production</i> , 2020, 276, 124129.	9.3	18
9	Comfort analysis applied to the international standard "Active House": The case of RhOME, the winning prototype of Solar Decathlon 2014. <i>Journal of Building Engineering</i> , 2017, 12, 210-218.	3.4	16
10	Life cycle efficiency ratio: A new performance indicator for a life cycle driven approach to evaluate the potential of ventilative cooling and thermal inertia. <i>Energy and Buildings</i> , 2018, 163, 22-33.	6.7	12
11	A novel theoretical method for predicting the effects of lighting colour temperature on physiological responses and indoor thermal perception. <i>Building and Environment</i> , 2021, 203, 108062.	6.9	12
12	"Our inherent desire for control" a case study of automation's impact on the perception of comfort. <i>Energy Procedia</i> , 2017, 122, 925-930.	1.8	11
13	Mould Growth Models and Risk Assessment for Emerging Timber Envelopes in Australia: A Comparative Study. <i>Buildings</i> , 2021, 11, 261.	3.1	9
14	Active House: Smart Nearly Zero Energy Buildings. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018, , .	0.4	8
15	Toward LCA-lite: A Simplified Tool to Easily Apply LCA Logic at the Early Design Stage of Building in Australia. <i>European Journal of Sustainable Development (discontinued)</i> , 2019, 8, 383.	0.9	7
16	DEVELOPING A PEDAGOGICAL MODEL FOR BIOPHILIC DESIGN: AN INTEGRATIVE CONJECTURE MAPPING AND ACTION RESEARCH APPROACH. <i>WIT Transactions on the Built Environment</i> , 2020, , .	0.0	6
17	Microtimber: The Development of a 3D Printed Composite Panel Made from Waste Wood and Recycled Plastics. <i>Lecture Notes in Civil Engineering</i> , 2019, , 827-848.	0.4	5
18	Energy Performance Certificate for buildings as a strategy for the energy transition: Stakeholder insights on shortcomings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 588, 022003.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Mass Timber Envelopes in Passivhaus Buildings: Designing for Moisture Safety in Hot and Humid Australian Climates. Buildings, 2021, 11, 478.	3.1	5
20	An Australian climate-based characterization of hygrothermal risks for buildings. Energy and Buildings, 2022, 265, 112086.	6.7	3
21	Moisture and buildings. , 2021, , 1-8.		2
22	Can commercial buildings cope with Australian bushfires? An IAQ analysis. Buildings and Cities, 2021, 2, 583-598.	2.3	2
23	The Potential of Harnessing Real-Time Occupancy Data for Improving Energy Performance of Activity-Based Workplaces. Energies, 2022, 15, 230.	3.1	2
24	Durability, condensation assessment and prevention. , 2021, , 27-62.		1
25	Biophilic Water Criteria: Exploring a Technique to Develop an Environmentally Sustainable Biophilic Design Framework. Advances in Science, Technology and Innovation, 2021, , 437-447.	0.4	1
26	Sustainable Indigenous housing in regional and remote Australia. AHURI Final Report, 2021, , .	0.4	1
27	A climate-based moisture index approach for hygrothermal analysis in Australia. Journal of Physics: Conference Series, 2021, 2069, 012065.	0.4	1
28	The impacts of COVID-19 pandemic on the hygrothermal environment of our homes. Journal of Physics: Conference Series, 2021, 2069, 012248.	0.4	1
29	Façade innovation: between "product"™ and "process"™. , 2022, , 1-13.		1
30	My home is making me sick! Implications of poor indoor environment quality on mould growth. , 2021, , .		0
31	What Is an Active House? A Vision Beyond 2020. SpringerBriefs in Applied Sciences and Technology, 2018, , 1-33.	0.4	0
32	Relevant Case Studies: A Benchmark for Future Design. SpringerBriefs in Applied Sciences and Technology, 2018, , 101-138.	0.4	0
33	A Reflection on Active House in Warm Climates. SpringerBriefs in Applied Sciences and Technology, 2018, , 53-73.	0.4	0
34	A New Paradigm for Holistic Design: Active House Prototypes at Politecnico di Milano. SpringerBriefs in Applied Sciences and Technology, 2018, , 35-52.	0.4	0