Arianna Brambilla

List of Publications by Year in Descending Order

33 papers	235 citations	9 h-index	14 g-index
36 ext. papers	351 ext. citations	3.7 avg, IF	4.41 L-index

#	Paper	IF	Citations
33	Façade innovation: between product and process **2022**, 1-13		
32	An Australian climate-based characterization of hygrothermal risks for buildings. *Energy and Buildings*, **2022**, 112086	7	1
31	The Potential of Harnessing Real-Time Occupancy Data for Improving Energy Performance of Activity-Based Workplaces. *Energies*, **2022**, 15, 230	3.1	1
30	A climate-based moisture index approach for hygrothermal analysis in Australia. *Journal of Physics: Conference Series*, **2021**, 2069, 012065	0.3	1
29	The impacts of COVID-19 pandemic on the hygrothermal environment of our homes. *Journal of Physics: Conference Series*, **2021**, 2069, 012248	0.3	1
28	Mass Timber Envelopes in Passivhaus Buildings: Designing for Moisture Safety in Hot and Humid Australian Climates. *Buildings*, **2021**, 11, 478	3.2	0
27	Mould Growth Models and Risk Assessment for Emerging Timber Envelopes in Australia: A Comparative Study. *Buildings*, **2021**, 11, 261	3.2	1
26	Bridging biophilic design and environmentally sustainable design: A critical review. *Journal of Cleaner Production*, **2021**, 283, 124591	10.3	13
25	Moisture and buildings **2021**, 1-8		1
24	Durability, condensation assessment and prevention **2021**, 27-62		
23	Can commercial buildings cope with Australian bushfires? An IAQ analysis. *Buildings and Cities*, **2021**, 2, 583-598	3.3	1
22	In search of optimal consumption: A review of causes and solutions to the Energy Performance Gap in residential buildings. *Energy and Buildings*, **2021**, 249, 111253	7	9
21	A novel theoretical method for predicting the effects of lighting colour temperature on physiological responses and indoor thermal perception. *Building and Environment*, **2021**, 203, 108062	6.5	2
20	Biophilic Water Criteria: Exploring a Technique to Develop an Environmentally Sustainable Biophilic Design Framework. *Advances in Science, Technology and Innovation*, **2021**, 437-447	0.3	1
19	How correlated colour temperature manipulates human thermal perception and comfort. *Building and Environment*, **2020**, 177, 106929	6.5	19
18	DEVELOPING A PEDAGOGICAL MODEL FOR BIOPHILIC DESIGN: AN INTEGRATIVE CONJECTURE MAPPING AND ACTION RESEARCH APPROACH **2020**,		4
17	Mould growth in energy efficient buildings: Causes, health implications and strategies to mitigate the risk. *Renewable and Sustainable Energy Reviews*, **2020**, 132, 110093	16.2	34

16	Hygrothermal behaviour of emerging timber-based envelope technologies in Australia: A preliminary investigation on condensation and mould growth risk. *Journal of Cleaner Production*, **2020**, 276, 124129	10.3	8
15	Microtimber: The Development of a 3D Printed Composite Panel Made from Waste Wood and Recycled Plastics. *Lecture Notes in Civil Engineering*, **2019**, 827-848	0.3	4
14	Toward LCA-lite: A Simplified Tool to Easily Apply LCA Logic at the Early Design Stage of Building in Australia. *European Journal of Sustainable Development (discontinued)*, **2019**, 8, 383	1.7	2
13	Nearly zero energy building renovation: From energy efficiency to environmental efficiency, a pilot case study. *Energy and Buildings*, **2018**, 166, 271-283	7	50
12	Life cycle efficiency ratio: A new performance indicator for a life cycle driven approach to evaluate the potential of ventilative cooling and thermal inertia. *Energy and Buildings*, **2018**, 163, 22-33	7	7
11	On the Influence of Thermal Mass and Natural Ventilation on Overheating Risk in Offices. *Buildings*, **2018**, 8, 47	3.2	20
10	What Is an Active House? A Vision Beyond 2020. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 1-33	0.4	
9	Relevant Case Studies: A Benchmark for Future Design. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 101-138	0.4	
8	A Reflection on Active House in Warm Climates. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 53-73	0.4	
7	NZEB and Active House: A Case Study of Residential Building in Northern Italy. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 75-100	0.4	0
6	A New Paradigm for Holistic Design: Active House Prototypes at Politecnico di Milano. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 35-52	0.4	
5	Active House: Smart Nearly Zero Energy Buildings. *SpringerBriefs in Applied Sciences and Technology* , **2018**,	0.4	5
4	Comfort analysis applied to the international standard Active House The case of RhOME, the winning prototype of Solar Decathlon 2014. *Journal of Building Engineering*, **2017**, 12, 210-218	5.2	12
3	Our inherent desire for control a case study of automation's impact on the perception of comfort. *Energy Procedia*, **2017**, 122, 925-930	2.3	9
2	Preventing overheating in offices through thermal inertial properties of compressed earth bricks: A study on a real scale prototype. *Energy and Buildings*, **2017**, 156, 281-292	7	26
1	Energy Performance Certificate for buildings as a strategy for the energy transition: Stakeholder insights on shortcomings. *IOP Conference Series: Earth and Environmental Science*,588, 022003	0.3	3