Graziano Salvalai

List of Publications by Citations

42 papers	505 citations	13 h-index	22 g-index
44 ext. papers	635 ext. citations	3.8 avg, IF	4.53 L-index

#	Paper	IF	Citations
42	Overview on life cycle methodologies and economic feasibility for nZEBs. *Building and Environment*, **2013**, 67, 211-216	6.5	94
41	Nearly zero energy building renovation: From energy efficiency to environmental efficiency, a pilot case study. *Energy and Buildings*, **2018**, 166, 271-283	7	50
40	Italian local codes for energy efficiency of buildings: Theoretical definition and experimental application to a residential case study. *Renewable and Sustainable Energy Reviews*, **2015**, 42, 1245-1259	16.2	40
39	A review on Building Renovation Passport: Potentialities and barriers on current initiatives. *Energy and Buildings*, **2018**, 173, 195-205	7	38
38	Assessing energy and thermal comfort of different low-energy cooling concepts for non-residential buildings. *Energy Conversion and Management*, **2013**, 76, 332-341	10.6	36
37	Deep renovation of multi-storey multi-owner existing residential buildings: A pilot case study in Italy. *Energy and Buildings*, **2017**, 148, 23-36	7	34
36	Implementation and validation of simplified heat pump model in IDA-ICE energy simulation environment. *Energy and Buildings*, **2012**, 49, 132-141	7	30
35	Methodology of energy efficient building refurbishment: Application on two university campus-building case studies in Italy with engineering students. *Journal of Building Engineering*, **2016**, 6, 54-64	5.2	28
34	New method for the early design of BIPV with electric storage: A case study in northern Italy. *Sustainable Cities and Society*, **2019**, 48, 101400	10.1	25
33	Analysis of different energy conservation strategies on existing school buildings in a Pre-Alpine Region. *Energy and Buildings*, **2017**, 145, 92-106	7	24
32	Thermal performance measurement and application of a multilayer insulator for emergency architecture. *Applied Thermal Engineering*, **2015**, 82, 110-119	5.8	23
31	Cooling concepts for non-residential buildings: A comparison of cooling concepts in different climate zones. *Energy and Buildings*, **2014**, 82, 447-456	7	15
30	Overview of the Available Knowledge for the Data Model Definition of a Building Renovation Passport for Non-Residential Buildings: The ALDREN Project Experience. *Sustainability*, **2020**, 12, 642	3.6	13
29	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
28	Integrated distribution system and urban district planning with high renewable penetrations. *Wiley Interdisciplinary Reviews: Energy and Environment*, **2019**, 8, e339	4.7	6
27	Air Shelter House Technology and its Application to Shelter Units: the Case of Scaffold House and Cardboard Shelter Installations. *Procedia Economics and Finance*, **2014**, 18, 552-559		6
26	Architecture for Refugees, Resilience Shelter Project: A Case Study Using Recycled Skis. *Procedia Engineering*, **2017**, 180, 1110-1120		5

25	Active House: Smart Nearly Zero Energy Buildings. *SpringerBriefs in Applied Sciences and Technology* , **2018**,	0.4	5
24	SLow Onset Disaster Events Factors in Italian Built Environment Archetypes. *Smart Innovation, Systems and Technologies*, **2021**, 333-343	0.5	4
23	ALDREN: A Methodological Framework to Support Decision-Making and Investments in Deep Energy Renovation of Non-Residential Buildings. *Buildings*, **2021**, 11, 3	3.2	3
22	A New Approach to Assess the Built Environment Risk under the Conjunct Effect of Critical Slow Onset Disasters: A Case Study in Milan, Italy. *Applied Sciences (Switzerland)*, **2021**, 11, 1186	2.6	3
21	Resilient and User-Centered Solutions for a Safer Built Environment Against Sudden and Slow Onset Disasters: The BE S2ECURe Project. *Smart Innovation, Systems and Technologies*, **2021**, 309-319	0.5	2
20	Design and Performance Analysis of a Lightweight Flexible nZEB. *Sustainability*, **2020**, 12, 5986	3.6	2
19	Towards integrating occupant behaviour modelling in simulation-aided building design: Reasons, challenges and solutions. *Energy and Buildings*, **2021**, 253, 111498	7	2
18	PredicTAIL, a prediction method for indoor environmental quality in buildings undergoing deep energy renovation based on the TAIL rating scheme. *Energy and Buildings*, **2022**, 258, 111839	7	1
17	Long-Term Monitoring Strategies for Increasing EPCs Reliability. *Environmental Sciences Proceedings*, **2021**, 11, 16	1	1
16	Flexible Workflow for Determining Critical Hazard and Exposure Scenarios for Assessing SLODs Risk in Urban Built Environments. *Sustainability*, **2021**, 13, 4538	3.6	1
15	Merging Heat Stress Hazard and Crowding Features to Frame Risk Scenarios Within the Urban Built Environment. *Smart Innovation, Systems and Technologies*, **2022**, 293-303	0.5	1
14	Towards a Multi-risk Assessment of Open Spaces and Its Users: A Rapid Survey Form to Collect and Manage Risk Factors. *Smart Innovation, Systems and Technologies*, **2022**, 209-218	0.5	1
13	De-Risking the Energy Efficient Renovation of Commercial Office Buildings through Technical-Financial Risk Assessment. *Sustainability*, **2022**, 14, 1011	3.6	0
12	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
11	EXPERIMENTAL ANALYSIS OF DIFFERENT INSULATED FA∄DE TECHNOLOGIES IN SUMMER CONDITION. *Journal of Green Building*, **2019**, 14, 77-91	1.3	0
10	Built Environments Prone to Sudden and Slow Onset Disasters: From Taxonomy Towards Approaches for Pervasive Training of Users. *Lecture Notes in Computer Science*, **2021**, 125-139	0.9	0
9	Monitoring Approaches for New-Generation Energy Performance Certificates in Residential Buildings. *Buildings*, **2022**, 12, 469	3.2	0
8	The use of building technology to support disaster resilience: the case study of air shelter house. *International Journal of Disaster Resilience in the Built Environment*, **2017**, 8, 139-157	1.4	

7	What Is an Active House? A Vision Beyond 2020. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 1-33	0.4
6	Relevant Case Studies: A Benchmark for Future Design. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 101-138	0.4
5	A Reflection on Active House in Warm Climates. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 53-73	0.4
4	A New Paradigm for Holistic Design: Active House Prototypes at Politecnico di Milano. *SpringerBriefs in Applied Sciences and Technology*, **2018**, 35-52	0.4
3	SMALL IS MORE. Wooden Pavilion As a Path of Research. *Lecture Notes in Civil Engineering*, **2019**, 1501-1535	0.3
2	Borboleta and Papagaio: Emergency Unit and Children's Nutritional Center in Farim, Guinea-Bissau. *Research for Development*, **2020**, 99-110	0.4
1	Ski Yurt: Upcycle of Downhill Skis for a Shelter in Cacine, Guinea-Bissau. *Research for Development*, **2020**, 71-83	0.4