

Bernardino D'Amico

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8037736/publications.pdf>

Version: 2024-02-01

26
papers

589
citations

623188

14
h-index

610482

24
g-index

28
all docs

28
docs citations

28
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle assessment of 61 ducted gas heating upgrades in Australia. International Journal of Building Pathology and Adaptation, 2023, 41, 143-169.	0.7	1
2	Global potential for material substitution in building construction: The case of cross laminated timber. Journal of Cleaner Production, 2021, 279, 123487.	4.6	53
3	A New Estimate of Building Floor Space in North America. Environmental Science & Technology, 2021, 55, 5161-5170.	4.6	13
4	Whole-life embodied carbon in multistory buildings: Steel, concrete and timber structures. Journal of Industrial Ecology, 2021, 25, 403-418.	2.8	77
5	Carbon sequestration and storage in the built environment. Sustainable Production and Consumption, 2021, 27, 1047-1063.	5.7	68
6	Decoupling density from tallness in analysing the life cycle greenhouse gas emissions of cities. Npj Urban Sustainability, 2021, 1, .	3.7	13
7	Enhancing the Practicality of Tools to Estimate the Whole Life Embodied Carbon of Building Structures via Machine Learning Models. Frontiers in Built Environment, 2021, 7, .	1.2	2
8	Low Energy Architecture and Low Carbon Cities: Exploring Links, Scales, and Environmental Impacts. Sustainability, 2020, 12, 9189.	1.6	3
9	Buildings as a Global Carbon Sink? A Reality Check on Feasibility Limits. One Earth, 2020, 3, 157-161.	3.6	60
10	On mass quantities of gravity frames in building structures. Journal of Building Engineering, 2020, 31, 101426.	1.6	8
11	Qualifying the Sustainability of Novel Designs and Existing Solutions for Post-Disaster and Post-Conflict Sheltering. Sustainability, 2020, 12, 890.	1.6	17
12	A compactness measure of sustainable building forms. Royal Society Open Science, 2019, 6, 181265.	1.1	21
13	Sustainability of post-disaster and post-conflict sheltering in Africa: What matters?. Sustainable Production and Consumption, 2019, 20, 140-150.	5.7	21
14	Who Is (Likely) Peer-Reviewing Your Papers? A Partial Insight into the World's Top Reviewers. Publications, 2019, 7, 15.	1.9	5
15	Carbon Mitigation in the Built Environment: An Input-output Analysis of Building Materials and Components in the UK. Procedia CIRP, 2018, 69, 189-193.	1.0	6
16	Accuracy and reliability: A computational tool to minimise steel mass and carbon emissions at early-stage structural design. Energy and Buildings, 2018, 168, 236-250.	3.1	27
17	Sustainability Tool to Optimise Material Quantities of Steel in the Construction Industry. Procedia CIRP, 2018, 69, 184-188.	1.0	3
18	Parametric Evaluation of Racking Performance of Platform Timber Framed Walls. Structures, 2017, 12, 75-87.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Holistic study of a timber double skin facade: Whole life carbon emissions and structural optimisation. Building and Environment, 2017, 124, 42-56.	3.0	23
20	A Method to Facilitate Uncertainty Analysis in LCAs of Buildings. Energies, 2017, 10, 524.	1.6	50
21	Racking performance of Platform timber framed walls assessed by rigid body relaxation technique. Construction and Building Materials, 2016, 129, 148-158.	3.2	4
22	A finite-difference formulation of elastic rod for the design of actively bent structures. Engineering Structures, 2016, 117, 518-527.	2.6	16
23	Optimization of cross-section of actively bent grid shells with strength and geometric compatibility constraints. Computers and Structures, 2015, 154, 163-176.	2.4	16
24	Timber gridshells: Numerical simulation, design and construction of a full scale structure. Structures, 2015, 3, 227-235.	1.7	27
25	Form finding and structural analysis of actively bent timber grid shells. Engineering Structures, 2014, 81, 195-207.	2.6	41
26	The "building paradox"™: research on building-related environmental effects requires global visibility and attention. Emerald Open Research, 0, 2, 50.	0.0	5