

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	Whole-life embodied carbon in multistory buildings: Steel, concrete and timber structures. <i>Journal of Industrial Ecology</i> , 2021, 25, 403-418.	2.8	77
2	Carbon sequestration and storage in the built environment. <i>Sustainable Production and Consumption</i> , 2021, 27, 1047-1063.	5.7	68
3	Buildings as a Global Carbon Sink? A Reality Check on Feasibility Limits. <i>One Earth</i> , 2020, 3, 157-161.	3.6	60
4	Global potential for material substitution in building construction: The case of cross laminated timber. <i>Journal of Cleaner Production</i> , 2021, 279, 123487.	4.6	53
5	A Method to Facilitate Uncertainty Analysis in LCAs of Buildings. <i>Energies</i> , 2017, 10, 524.	1.6	50
6	Form finding and structural analysis of actively bent timber grid shells. <i>Engineering Structures</i> , 2014, 81, 195-207.	2.6	41
7	Timber gridshells: Numerical simulation, design and construction of a full scale structure. <i>Structures</i> , 2015, 3, 227-235.	1.7	27
8	Accuracy and reliability: A computational tool to minimise steel mass and carbon emissions at early-stage structural design. <i>Energy and Buildings</i> , 2018, 168, 236-250.	3.1	27
9	Holistic study of a timber double skin facade: Whole life carbon emissions and structural optimisation. <i>Building and Environment</i> , 2017, 124, 42-56.	3.0	23
10	A compactness measure of sustainable building forms. <i>Royal Society Open Science</i> , 2019, 6, 181265.	1.1	21
11	Sustainability of post-disaster and post-conflict sheltering in Africa: What matters?. <i>Sustainable Production and Consumption</i> , 2019, 20, 140-150.	5.7	21
12	Qualifying the Sustainability of Novel Designs and Existing Solutions for Post-Disaster and Post-Conflict Sheltering. <i>Sustainability</i> , 2020, 12, 890.	1.6	17
13	Optimization of cross-section of actively bent grid shells with strength and geometric compatibility constraints. <i>Computers and Structures</i> , 2015, 154, 163-176.	2.4	16
14	A finite-difference formulation of elastic rod for the design of actively bent structures. <i>Engineering Structures</i> , 2016, 117, 518-527.	2.6	16
15	A New Estimate of Building Floor Space in North America. <i>Environmental Science & Technology</i> , 2021, 55, 5161-5170.	4.6	13
16	Decoupling density from tallness in analysing the life cycle greenhouse gas emissions of cities. <i>Npj Urban Sustainability</i> , 2021, 1, .	3.7	13
17	On mass quantities of gravity frames in building structures. <i>Journal of Building Engineering</i> , 2020, 31, 101426.	1.6	8
18	Carbon Mitigation in the Built Environment: An Input-output Analysis of Building Materials and Components in the UK. <i>Procedia CIRP</i> , 2018, 69, 189-193.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Parametric Evaluation of Racking Performance of Platform Timber Framed Walls. Structures, 2017, 12, 75-87.	1.7	5
20	Who Is (Likely) Peer-Reviewing Your Papers? A Partial Insight into the World's Top Reviewers. Publications, 2019, 7, 15.	1.9	5
21	The "building paradox": research on building-related environmental effects requires global visibility and attention. Emerald Open Research, 0, 2, 50.	0.0	5
22	Racking performance of Platform timber framed walls assessed by rigid body relaxation technique. Construction and Building Materials, 2016, 129, 148-158.	3.2	4
23	Sustainability Tool to Optimise Material Quantities of Steel in the Construction Industry. Procedia CIRP, 2018, 69, 184-188.	1.0	3
24	Low Energy Architecture and Low Carbon Cities: Exploring Links, Scales, and Environmental Impacts. Sustainability, 2020, 12, 9189.	1.6	3
25	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
26	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