Francesco Pomponi

List of Publications by Year
in descending order

67 papers	3,064 citations	346980 22 h-index	190340 53 g-index
69 all docs	69 docs citations	69 times ranked	3124 citing authors

#	Article	IF	Citations
1	Environmental benefits of material-efficient design: A hybrid life cycle assessment of a plastic milk bottle. Sustainable Production and Consumption, 2022, 30, 1044-1052.	5.7	5
2	Beyond recycling: An LCA-based decision-support tool to accelerate Scotland's transition to a circular economy. Resources, Conservation & Recycling Advances, 2022, 13, 200069.	1.1	2
3	Tourism, job vulnerability and income inequality during the COVID-19 pandemic: A global perspective. Annals of Tourism Research Empirical Insights, 2022, 3, 100046.	1.7	35
4	Embodied carbon of concrete in buildings, Part 2: are the messages accurate?. Buildings and Cities, 2022, 3, 334.	1.1	3
5	Global potential for material substitution in building construction: The case of cross laminated timber. Journal of Cleaner Production, 2021, 279, 123487.	4.6	53
6	A Novel Method for Estimating Emissions Reductions Caused by the Restriction of Mobility: The Case of the COVID-19 Pandemic. Environmental Science and Technology Letters, 2021, 8, 46-52.	3.9	11
7	A Circular Economy: Where Will It Take Us?. Circular Economy and Sustainability, 2021, 1, 1-15.	3.3	22
8	A New Estimate of Building Floor Space in North America. Environmental Science & Technology, 2021, 55, 5161-5170.	4.6	13
9	Wholeâ€life embodied carbon in multistory buildings: Steel, concrete and timber structures. Journal of Industrial Ecology, 2021, 25, 403-418.	2.8	77
10	Water, energy, and carbon dioxide footprints of the construction sector: A case study on developed and developing economies. Water Research, 2021, 194, 116935.	5.3	35
11	The greenhouse gas emissions of nuclear energy â€“ Life cycle assessment of a European pressurised reactor. Applied Energy, 2021, 290, 116743.	5.1	24
12	Carbon sequestration and storage in the built environment. Sustainable Production and Consumption, 2021, 27, 1047-1063.	5.7	68
13	Decoupling density from tallness in analysing the life cycle greenhouse gas emissions of cities. Npj Urban Sustainability, 2021, 1, .	3.7	13
14	Emissions assessment of bike sharing schemes: The case of Just Eat Cycles in Edinburgh, UK. Sustainable Cities and Society, 2021, 71, 103012.	5.1	16
15	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
16	Comparative life cycle analysis of faÃ§ade passive systems in the Mediterranean: Comfort, energy, and carbon. Renewable Energy, 2020, 149, 347-360.	4.3	2
17	The future of the circular economy and the circular economy of the future. Built Environment Project and Asset Management, 2020, 10, 529-546.	0.9	20
18	Low Energy Architecture and Low Carbon Cities: Exploring Links, Scales, and Environmental Impacts. Sustainability, 2020, 12, 9189.	1.6	3

#	Article	IF	Citations
19	Circular cities: the case of Singapore. Built Environment Project and Asset Management, 2020, 10, 491-507.	0.9	19
20	Implications of using systematic decomposition structures to organize building LCA information: A comparative analysis of national standards and guidelines- IEA EBC ANNEX 72. IOP Conference Series: Earth and Environmental Science, 2020, 588, 022008.	0.2	5
21	Buildings as a Global Carbon Sink? A Reality Check on Feasibility Limits. One Earth, 2020, 3, 157-161.	3.6	60
22	More Timber in Construction: Unanswered Questions and Future Challenges. Sustainability, 2020, 12, 3473.	1.6	28
23	On mass quantities of gravity frames in building structures. Journal of Building Engineering, 2020, 31, 101426.	1.6	8
24	How Do People Move Around? National Data on Transport Modal Shares for 131 Countries. World, 2020, 1, 34-43.	1.0	9
25	Global socio-economic losses and environmental gains from the Coronavirus pandemic. PLoS ONE, 2020, 15, e0235654.	1.1	218
26	Qualifying the Sustainability of Novel Designs and Existing Solutions for Post-Disaster and Post-Conflict Sheltering. Sustainability, 2020, 12, 890.	1.6	17
27	Heat island effects in urban life cycle assessment: Novel insights to include the effects of the urban heat island and UHIâ€mitigation measures in LCA for effective policy making. Journal of Industrial Ecology, 2020, 24, 410-423.	2.8	20
28	Briefing: BS 8001 and the built environment: a review and critique. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2019, 172, 111-114.	0.4	11
29	Life cycle environmental impact assessment of contemporary and traditional housing in Palestine. Energy and Buildings, 2019, 202, 109333.	3.1	11
30	Comparison of the environmental assessment of an identical office building with national methods. IOP Conference Series: Earth and Environmental Science, 2019, 323, 012037.	0.2	20
31	A compactness measure of sustainable building forms. Royal Society Open Science, 2019, 6, 181265.	1.1	21
32	Barriers and drivers in a circular economy: the case of the built environment. Procedia CIRP, 2019, 80, 619-624.	1.0	192
33	Sustainability of post-disaster and post-conflict sheltering in Africa: What matters?. Sustainable Production and Consumption, 2019, 20, 140-150.	5.7	21
34	A tripleâ€win scenario for horizontal collaboration in logistics: Determining enabling and key success factors. Business Strategy and the Environment, 2019, 28, 1166-1178.	8.5	7
35	Who Is (Likely) Peer-Reviewing Your Papers? A Partial Insight into the Worldâ€™s Top Reviewers. Publications, 2019, 7, 15.	1.9	5
36	Whole-life design and resource reuse of a solar water heater in the UK. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2019, 172, 153-164.	0.4	5

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37	A method for a cradle-to-cradle life cycle assessment of integrated collector-storage solar water heaters. IOP Conference Series: Materials Science and Engineering, 2019, 556, 012061.	0.3	1
38	Machine Learning for Sustainable Structures: A Call for Data. Structures, 2019, 19, 1-4.	1.7	39
39	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
40	Uncertainty Analysis in Embodied Carbon Assessments: What Are the Implications of Its Omission?. , 2018, , 3-21.		4
41	Hybrid life cycle assessment (LCA) will likely yield more accurate results than process-based LCA. Journal of Cleaner Production, 2018, 176, 210-215.	4.6	87
42	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
43	Briefing: Embodied carbon dioxide assessment in buildings: guidance and gaps. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2018, 171, 334-341.	0.4	10
44	Scrutinising embodied carbon in buildings: The next performance gap made manifest. Renewable and Sustainable Energy Reviews, 2018, 81, 2431-2442.	8.2	114
45	Sustainability Tool to Optimise Material Quantities of Steel in the Construction Industry. Procedia CIRP, 2018, 69, 184-188.	1.0	3
46	Thermal Performance through Heat Retention in Integrated Collector-Storage Solar Water Heaters: A Review. Energies, 2018, 11, 1615.	1.6	10
47	Furthering embodied carbon assessment in practice: Results of an industry-academia collaborative research project. Energy and Buildings, 2018, 167, 177-186.	3.1	24
48	Why method matters: Temporal, spatial and physical variations in LCA and their impact on choice of structural system. Energy and Buildings, 2018, 173, 389-398.	3.1	60
49	Embodied and Life Cycle Carbon Assessment of Buildings in Latin America: State-of-the-Art and Future Directions. , 2018, , 483-503.		0
50	Circular economy for the built environment: A research framework. Journal of Cleaner Production, 2017, 143, 710-718.	4.6	532
51	Measuring embodied carbon dioxide equivalent of buildings: A review and critique of current industry practice. Energy and Buildings, 2017, 140, 68-80.	3.1	237
52	A Theoretical Framework for Circular Economy Research in the Built Environment. , 2017, , 31-44.		8
53	A Method for Visualising Embodied and Whole Life Carbon of Buildings. , 2017, , 185-189.		1
54	On The Intrinsic Flexibility of the Double Skin FaÃ§ade: A Comparative Thermal Comfort Investigation in Tropical and Temperate Climates. Energy Procedia, 2017, 111, 530-539.	1.8	26

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55	Holistic study of a timber double skin faÃ§ade: Whole life carbon emissions and structural optimisation. Building and Environment, 2017, 124, 42-56.	3.0	23
56	A Method to Facilitate Uncertainty Analysis in LCAs of Buildings. Energies, 2017, 10, 524.	1.6	50
57	Life cycle assessment of domestic hot water systems: a comparative analysis. International Journal of Construction Management, 2016, 16, 109-125.	2.2	12
58	Embodied carbon mitigation and reduction in the built environment â€“ What does the evidence say?. Journal of Environmental Management, 2016, 181, 687-700.	3.8	206
59	An Investigation into GHG and nonâ€GHG Impacts of Double Skin FaÃ§ades in Office Refurbishments. Journal of Industrial Ecology, 2016, 20, 234-248.	2.8	21
60	Energy performance of Double-Skin FaÃ§ades in temperate climates: A systematic review and meta-analysis. Renewable and Sustainable Energy Reviews, 2016, 54, 1525-1536.	8.2	101
61	Double skin faÃ§ade (DSF) technologies for UK office refurbishments. Structural Survey, 2015, 33, 372-406.	1.0	5
62	Life cycle energy and carbon assessment of double skin faÃ§ades for office refurbishments. Energy and Buildings, 2015, 109, 143-156.	3.1	50
63	Trust development and horizontal collaboration in logistics: a theory based evolutionary framework. Supply Chain Management, 2015, 20, 83-97.	3.7	110
64	Urban Heat Island (UHI) mitigating strategies: A case-based comparative analysis. Sustainable Cities and Society, 2015, 19, 222-235.	5.1	190
65	Double- or Single-Skin FaÃ§ades for Low-Carbon Office Refurbishments in the UK: A Comparative Case Study. , 2015, , 379-389.		0
66	FaÃ§ade refurbishment of existing office buildings: Do conventional energy-saving interventions always work?. Journal of Building Engineering, 2015, 3, 135-143.	1.6	17
67	The â€˜building paradoxâ€™: research on building-related environmental effects requires global visibility and attention. Emerald Open Research, 0, 2, 50.	0.0	5