

# Alice M Moncaster

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,137  
citations

13  
h-index

32  
g-index

32  
ext. papers

1,408  
ext. citations

5  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
30	Modelling future trends of annual embodied energy of urban residential building stock in China. <i>Energy Policy</i> , <b>2022</b> , 165, 112932	7.2	1
29	Modelling Chinese Urban Residential Stock Turnover Uncertainties Using System Dynamics and Bayesian Statistical Inference. <i>Sustainable Development Goals Series</i> , <b>2022</b> , 221-240	0.5	
28	Embodied carbon of concrete in buildings, Part 2: are the messages accurate?. <i>Buildings and Cities</i> , <b>2022</b> , 3, 334	3.3	
27	Reducing carbon from heritage buildings: the importance of residents' views, values and behaviours. <i>Journal of Architectural Conservation</i> , <b>2021</b> , 27, 117-146	0.4	0
26	Rethinking retrofit of residential heritage buildings. <i>Buildings and Cities</i> , <b>2021</b> , 2, 495	3.3	1
25	Forecasting urban residential stock turnover dynamics using system dynamics and Bayesian model averaging. <i>Applied Energy</i> , <b>2020</b> , 275, 115388	10.7	2
24	Embodied carbon of concrete in buildings, Part 1: analysis of published EPD. <i>Buildings and Cities</i> , <b>2020</b> , 1, 198-217	3.3	19
23	Comparative life cycle analysis of façade passive systems in the Mediterranean: Comfort, energy, and carbon. <i>Renewable Energy</i> , <b>2020</b> , 149, 347-360	8.1	0
22	Arguments for a co-production approach to community flood protection. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , <b>2019</b> , 172, 335-344	0.9	1
21	Briefing: BS 8001 and the built environment: a review and critique. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , <b>2019</b> , 172, 111-114	0.9	8
20	Estimating Lifetimes and Stock Turnover Dynamics of Urban Residential Buildings in China. <i>Sustainability</i> , <b>2019</b> , 11, 3720	3.6	9
19	Widening understanding of low embodied impact buildings: Results and recommendations from 80 multi-national quantitative and qualitative case studies. <i>Journal of Cleaner Production</i> , <b>2019</b> , 235, 378-395	10.3	31
18	Design and construction strategies for reducing embodied impacts from buildings [Case study analysis. <i>Energy and Buildings</i> , <b>2018</b> , 166, 35-47	7	53
17	Analysing methodological choices in calculations of embodied energy and GHG emissions from buildings. <i>Energy and Buildings</i> , <b>2018</b> , 158, 1487-1498	7	42
16	Scrutinising embodied carbon in buildings: The next performance gap made manifest. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 81, 2431-2442	16.2	80
15	Furthering embodied carbon assessment in practice: Results of an industry-academia collaborative research project. <i>Energy and Buildings</i> , <b>2018</b> , 167, 177-186	7	15
14	Circular economy for the built environment: A research framework. <i>Journal of Cleaner Production</i> , <b>2017</b> , 143, 710-718	10.3	337

13	Measuring embodied carbon dioxide equivalent of buildings: A review and critique of current industry practice. <i>Energy and Buildings</i> , <b>2017</b> , 140, 68-80	7	149
12	A Theoretical Framework for Circular Economy Research in the Built Environment <b>2017</b> , 31-44		6
11	A Method for Visualising Embodied and Whole Life Carbon of Buildings <b>2017</b> , 185-189		1
10	A Method to Facilitate Uncertainty Analysis in LCAs of Buildings. <i>Energies</i> , <b>2017</b> , 10, 524	3.1	38
9	IEA EBC annex 57 Evaluation of embodied energy and CO <sub>2</sub> eq for building construction <i>Energy and Buildings</i> , <b>2017</b> , 154, 72-80	7	74
8	Embodied carbon mitigation and reduction in the built environment - What does the evidence say?. <i>Journal of Environmental Management</i> , <b>2016</b> , 181, 687-700	7.9	144
7	Financing energy efficiency measures in buildings: a new method of appraisal. <i>International Journal of Sustainable Building Technology and Urban Development</i> , <b>2015</b> , 6, 62-70		2
6	Policies and outcomes for UK sustainable schools. <i>Building Research and Information</i> , <b>2015</b> , 43, 452-464	4.3	5
5	Stand-alone Calculation Tools are not the Answer to Embodied Carbon Assessment. <i>Energy Procedia</i> , <b>2014</b> , 62, 150-159	2.3	14
4	A method and tool for 'cradle to grave' embodied carbon and energy impacts of UK buildings in compliance with the new TC350 standards. <i>Energy and Buildings</i> , <b>2013</b> , 66, 514-523	7	101
3	Retention not demolition: how heritage thinking can inform carbon reduction. <i>Journal of Architectural Conservation</i> , 1-19	0.4	1
2	Social value, infrastructure and stakeholder engagement: a complex triangle. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 1-8	0.9	0
1	Embodied carbon, embodied energy and renewable energy: a review of Environmental Product Declarations. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 1-33	0.9	1