

Alexander Passer

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1808235/alexander-passer-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

46
papers

1,085
citations

16
h-index

32
g-index

49
ext. papers

1,554
ext. citations

4
avg, IF

5.04
L-index

#	Paper	IF	Citations
46	Embodied GHG emissions of buildings – The hidden challenge for effective climate change mitigation. <i>Applied Energy</i> , 2020 , 258, 114107	10.7	187
45	LCA and BIM: Visualization of environmental potentials in building construction at early design stages. <i>Building and Environment</i> , 2018 , 140, 153-161	6.5	125
44	Buildings environmental impacts' sensitivity related to LCA modelling choices of construction materials. <i>Journal of Cleaner Production</i> , 2017 , 156, 805-816	10.3	103
43	Assessment of the environmental performance of buildings: A critical evaluation of the influence of technical building equipment on residential buildings. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 1116-1130	4.6	100
42	Environmental product declarations entering the building sector: critical reflections based on 5 to 10 years experience in different European countries. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 1199-1212	4.6	88
41	The impact of future scenarios on building refurbishment strategies towards plus energy buildings. <i>Energy and Buildings</i> , 2016 , 124, 153-163	7	70
40	A new systemic approach to improve the sustainability performance of office buildings in the early design stage. <i>Energy and Buildings</i> , 2015 , 109, 385-396	7	50
39	BIM and LCA Integration: A Systematic Literature Review. <i>Sustainability</i> , 2020 , 12, 5534	3.6	37
38	Implementing Life Cycle Sustainability Assessment during design stages in Building Information Modelling: From systematic literature review to a methodological approach. <i>Building and Environment</i> , 2020 , 182, 107164	6.5	37
37	Biogenic carbon in buildings: a critical overview of LCA methods. <i>Buildings and Cities</i> , 2020 , 1, 504-524	3.3	34
36	Strategies to Improve the Energy Performance of Buildings: A Review of Their Life Cycle Impact. <i>Buildings</i> , 2018 , 8, 105	3.2	32
35	LCA and BIM: Integrated Assessment and Visualization of Building Elements – Embodied Impacts for Design Guidance in Early Stages. <i>Procedia CIRP</i> , 2018 , 69, 218-223	1.8	28
34	Sustainable buildings, construction products and technologies: linking research and construction practice. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 1-8	4.6	20
33	Carbon budgets for buildings: harmonising temporal, spatial and sectoral dimensions. <i>Buildings and Cities</i> , 2020 , 1, 429-452	3.3	18
32	Environmental benchmarks for buildings: needs, challenges and solutions – 1st LCA forum, Swiss Federal Institute of Technology, Zürich, 18 June 2019. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 2272-2280	4.6	17
31	Investigating transparency regarding ecoinvent users – System model choices. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1-5	4.6	16
30	Life cycle assessment of roads: Exploring research trends and harmonization challenges. <i>Science of the Total Environment</i> , 2021 , 759, 143506	10.2	13

29	Functional and environmental performance optimization of Portland cement-based materials by combined mineral fillers. <i>Cement and Concrete Research</i> , 2019 , 122, 157-178	10.3	9
28	Visualizing Interdependencies among Sustainability Criteria to Support Multicriteria Decision-making Processes in Building Design. <i>Procedia CIRP</i> , 2018 , 69, 200-205	1.8	8
27	Sustainable built environment: transition towards a net zero carbon built environment. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 1160-1167	4.6	7
26	Implementation of Sustainable Development Goals in construction industry - a systemic consideration of synergies and trade-offs. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 323, 012177	0.3	7
25	How to conduct consistent environmental, economic, and social assessment during the building design process. A BIM-based Life Cycle Sustainability Assessment method. <i>Journal of Building Engineering</i> , 2021 , 45, 103516	5.2	7
24	Comparison of the greenhouse gas emissions of a high-rise residential building assessed with different national LCA approaches IEA EBC Annex 72. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 022029	0.3	7
23	Survey results on acceptance and use of Life Cycle Assessment among designers in world regions: IEA EBC Annex 72. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 032023	0.3	7
22	The role of electricity mix and production efficiency improvements on greenhouse gas (GHG) emissions of building components and future refurbishment measures. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 839-851	4.6	6
21	A Preliminary Systematic Investigation onto Sprayed Concrete's Environmental Performance. <i>Procedia CIRP</i> , 2018 , 69, 212-217	1.8	6
20	Environmental modelling of building stocks IAn integrated review of life cycle-based assessment models to support EU policy making. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111550	16.2	6
19	Challenges in the achievement of a Net Zero Carbon Built Environment I A systemic approach to support the decision-aiding process in the design stage of buildings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 032034	0.3	5
18	(Sprayed) concrete production in life cycle assessments: a systematic literature review. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 188-207	4.6	5
17	IEA EBC Annex 72 - Assessing life cycle related environmental impacts caused by buildings I targets and tasks. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 323, 012042	0.3	4
16	The challenge of integrating Life Cycle Assessment in the building design process I a systematic literature review of BIM-LCA workflows. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 032024	0.3	4
15	Testing of PEF method to assess the environmental footprint of buildings I results of PEF4Buildings project. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 297, 012033	0.3	3
14	Influence of technical and electrical equipment in life cycle assessments of buildings: case of a laboratory and research building. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 852-863	4.6	3
13	Challenges of a Healthy Built Environment: Air Pollution in Construction Industry. <i>Sustainability</i> , 2021 , 13, 10469	3.6	3
12	Implications of using systematic decomposition structures to organize building LCA information: A comparative analysis of national standards and guidelines- IEA EBC ANNEX 72. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 022008	0.3	2

11	Assessment of the environmental impact of timber and its potential to mitigate embodied GHG emissions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 022068	0.3	2
10	A cross-platform modular framework for building Life Cycle Assessment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 323, 012103	0.3	2
9	Embodied GHG emissions of buildings [Critical reflection of benchmark comparison and in-depth analysis of drivers. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 032048	0.3	1
8	Austrian GHG emission targets for new buildings and major renovations: an exploratory study. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 032052	0.3	1
7	Austrian Universities and the Sustainable Development Goals. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 323, 012156	0.3	1
6	Stahl im Hochbau [Ein nachhaltiger Werkstoff?. <i>Stahlbau</i> , 2007 , 76, 241-249	0.6	1
5	Embodied energy and GHG emissions of residential multi-storey timber buildings by height [A case with structural connectors and mechanical fasteners. <i>Energy and Buildings</i> , 2021 , 252, 111387	7	1
4	Should biogenic carbon be analysed separately in the calculation of the GWP indicator?. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012168	0.3	0
3	An LCA methodology for assessing the environmental impacts of building components before and after refurbishment. <i>Journal of Cleaner Production</i> , 2021 , 129527	10.3	0
2	A hierarchical reference-based know-why model for design support of sustainable building envelopes. <i>Automation in Construction</i> , 2022 , 139, 104276	9.6	0
1	Embodied greenhouse gas emissions reduction for structural elements in office buildings. <i>Journal of Physics: Conference Series</i> , 2021 , 2042, 012165	0.3	