

Jukka Heinonen

List of Publications by Year in descending order

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81
papers

3,049
citations

145106

33
h-index

198040

52
g-index

83
all docs

83
docs citations

83
times ranked

2620
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing Buildingsâ€™ Life Cycle Assessment in Circular Economy-Comparing methods for assessing carbon footprint of reusable components. Sustainable Cities and Society, 2022, 77, 103499.	5.1	41
2	Spatial consumption-based carbon footprints: two definitions, two different outcomes. Environmental Research Communications, 2022, 4, 025006.	0.9	9
3	Carbon sequestration and storage potential of urban residential environment â€“ A review. Sustainable Cities and Society, 2022, 84, 104027.	5.1	16
4	Decarbonization scenarios for Reykjavikâ€™s passenger transport: The combined effects of behavioural changes and technological developments. Sustainable Cities and Society, 2021, 65, 102614.	5.1	33
5	Drivers of Car Ownership in a Car-Oriented City: A Mixed-Method Study. Sustainability, 2021, 13, 619.	1.6	15
6	Residential Location and Travel in the Reykjavik Capital Region. Sustainability, 2021, 13, 6714.	1.6	5
7	Cities, Long-Distance Travel, and Climate Impacts. Urban Planning, 2021, 6, 228-231.	0.7	0
8	Embodied emissions of buildings - A forgotten factor in green building certificates. Energy and Buildings, 2021, 241, 110962.	3.1	33
9	Long-Distance Travel and the Urban Environment: Results from a Qualitative Study in Reykjavik. Urban Planning, 2021, 6, 257-270.	0.7	7
10	Climate change concern and the desire to travel: How do I justify my flights?. Travel Behaviour & Society, 2021, 24, 282-290.	2.4	22
11	Carbon Accounting for Regenerative Cities. Future City, 2021, , 115-129.	0.2	1
12	A safe and just space for urban mobility: a framework for sector-based sustainable consumption corridor development. Global Sustainability, 2021, 4, .	1.6	11
13	Life cycle assessment of a geothermal combined heat and power plant based on high temperature utilization. Geothermics, 2020, 84, 101727.	1.5	56
14	Who travels more, and why? A mixed-method study of urban dwellersâ€™ leisure travel. Travel Behaviour & Society, 2020, 19, 67-81.	2.4	33
15	Data accuracy in Ecological Footprintâ€™s carbon footprint. Ecological Indicators, 2020, 111, 105983.	2.6	16
16	Compensation or cosmopolitan attitudes: Explaining leisure travel of Nordic urbanites. Travel Behaviour & Society, 2020, 21, 167-187.	2.4	10
17	Downscaling consumption to universal basic income level falls short of sustainable carbon footprint in Finland. Environmental Science and Policy, 2020, 114, 377-383.	2.4	10
18	Review and Meta-Analysis of EVs: Embodied Emissions and Environmental Breakeven. Sustainability, 2020, 12, 9390.	1.6	34

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19	A comparative study of life cycle carbon emissions and embodied energy between sun-dried bricks and fired clay bricks. <i>Journal of Cleaner Production</i> , 2020, 275, 122998.	4.6	67
20	A life cycle assessment of a "minus carbon"™ refugee house: global warming potential and sensitivity analysis. <i>Archnet-IJAR</i> , 2020, 14, 559-579.	0.8	11
21	Pathways to Carbon-Neutral Cities Prior to a National Policy. <i>Sustainability</i> , 2020, 12, 2445.	1.6	38
22	High-Temperature Geothermal Utilization in the Context of European Energy Policy" Implications and Limitations. <i>Energies</i> , 2020, 13, 3187.	1.6	11
23	Spatial consumption-based carbon footprint assessments - A review of recent developments in the field. <i>Journal of Cleaner Production</i> , 2020, 256, 120335.	4.6	75
24	Household carbon footprint patterns by the degree of urbanisation in Europe. <i>Environmental Research Letters</i> , 2019, 14, 114016.	2.2	56
25	Greenhouse gas emissions from built environment development in Iceland. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 297, 012022.	0.2	0
26	The Geographical Distribution and Correlates of Pro-Environmental Attitudes and Behaviors in an Urban Region. <i>Energies</i> , 2019, 12, 1540.	1.6	23
27	What can we learn from consumption-based carbon footprints at different spatial scales? Review of policy implications. <i>Environmental Research Letters</i> , 2019, 14, 093001.	2.2	65
28	A Life Cycle Assessment of Two Residential Buildings Using Two Different LCA Database-Software Combinations: Recognizing Uniformities and Inconsistencies. <i>Buildings</i> , 2019, 9, 20.	1.4	74
29	Flights Dominate Travel Emissions of Young Urbanites. <i>Sustainability</i> , 2019, 11, 6340.	1.6	29
30	Increasing the accuracy of marine footprint calculations. <i>Ecological Indicators</i> , 2019, 99, 153-158.	2.6	8
31	Beyond geometries of activity spaces: A holistic study of daily travel patterns, individual characteristics, and perceived wellbeing in Helsinki metropolitan area. <i>Journal of Transport and Land Use</i> , 2019, 12, .	0.7	17
32	Carbon and material footprints of a welfare state: Why and how governments should enhance green investments. <i>Environmental Science and Policy</i> , 2018, 86, 1-10.	2.4	64
33	Urban structural and socioeconomic effects on local, national and international travel patterns and greenhouse gas emissions of young adults. <i>Journal of Transport Geography</i> , 2018, 68, 130-141.	2.3	45
34	Carbon footprint trends of metropolitan residents in Finland: How strong mitigation policies affect different urban zones. <i>Journal of Cleaner Production</i> , 2018, 170, 1523-1535.	4.6	56
35	Spatial nature of urban well-being. <i>Regional Studies</i> , 2018, 52, 959-973.	2.5	49
36	Standard Ecological Footprint Method for Small, Highly Specialized Economies. <i>Ecological Economics</i> , 2018, 146, 370-380.	2.9	17

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37	Why do urbanites travel more than do others? A review of associations between urban form and long-distance leisure travel. <i>Environmental Research Letters</i> , 2018, 13, 073001.	2.2	80
38	Input–output and process LCAs in the building sector: are the results compatible with each other?. <i>Carbon Management</i> , 2017, 8, 155-166.	1.2	37
39	Can life-cycle assessment produce reliable policy guidelines in the building sector?. <i>Environmental Research Letters</i> , 2017, 12, 013001.	2.2	96
40	Emissions in a decarbonised economy? Global lessons from a carbon footprint analysis of Iceland. <i>Journal of Cleaner Production</i> , 2017, 166, 1175-1186.	4.6	50
41	Reprint of: To each their own? The greenhouse gas impacts of intra-household sharing in different urban zones. <i>Journal of Cleaner Production</i> , 2017, 163, S79-S90.	4.6	4
42	Greenhouse gas impacts of different modality style classes using latent class travel behavior model. <i>Journal of Transport Geography</i> , 2017, 65, 155-164.	2.3	16
43	Consequential Implications of Municipal Energy System on City Carbon Footprints. <i>Sustainability</i> , 2017, 9, 1801.	1.6	15
44	A Step towards the Hydrogen Economy—A Life Cycle Cost Analysis of A Hydrogen Refueling Station. <i>Energies</i> , 2017, 10, 763.	1.6	101
45	Rebound effects for reduced car ownership and driving. , 2017, , 263-283.		14
46	Environmental Impact Assessment of a School Building in Iceland Using LCA-Including the Effect of Long Distance Transport of Materials. <i>Buildings</i> , 2016, 6, 46.	1.4	15
47	Carbon Footprint of Inbound Tourism to Iceland: A Consumption-Based Life-Cycle Assessment including Direct and Indirect Emissions. <i>Sustainability</i> , 2016, 8, 1147.	1.6	70
48	To each their own? The greenhouse gas impacts of intra-household sharing in different urban zones. <i>Journal of Cleaner Production</i> , 2016, 135, 356-367.	4.6	66
49	Pre-use phase LCA of a multi-story residential building: Can greenhouse gas emissions be used as a more general environmental performance indicator?. <i>Building and Environment</i> , 2016, 95, 116-125.	3.0	64
50	Environmental Assessments in the Built Environment: Crucial yet Underdeveloped. , 2016, , 3-15.		0
51	Planning for a Low Carbon Future? Comparing Heat Pumps and Cogeneration as the Energy System Options for a New Residential Area. <i>Energies</i> , 2015, 8, 9137-9154.	1.6	11
52	Role of Urban Planning in Encouraging More Sustainable Lifestyles. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2015, 141, .	0.8	5
53	New Energy Efficient Housing Has Reduced Carbon Footprints in Outer but Not in Inner Urban Areas. <i>Environmental Science & Technology</i> , 2015, 49, 9574-9583.	4.6	56
54	Embodied and Construction Phase Greenhouse Gas Emissions of a Low-energy Residential building. <i>Procedia Economics and Finance</i> , 2015, 21, 355-365.	0.6	16

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55	Environmental assessments in the built environment: crucial yet underdeveloped. <i>Environmental Research Letters</i> , 2015, 10, 035003.	2.2	2
56	The Power of Urban Planning on Environmental Sustainability: A Focus Group Study in Finland. <i>Sustainability</i> , 2014, 6, 6622-6643.	1.6	33
57	Residential energy consumption patterns and the overall housing energy requirements of urban and rural households in Finland. <i>Energy and Buildings</i> , 2014, 76, 295-303.	3.1	116
58	Greenhouse gas emissions from flying can offset the gain from reduced driving in dense urban areas. <i>Journal of Transport Geography</i> , 2014, 41, 1-9.	2.3	61
59	How central business district developments facilitate environmental sustainability – A multiple case study in Finland. <i>Cities</i> , 2014, 41, 101-113.	2.7	25
60	Relationship between urbanization, direct and indirect greenhouse gas emissions, and expenditures: A multivariate analysis. <i>Ecological Economics</i> , 2014, 104, 129-139.	2.9	134
61	Combining life cycle costing and life cycle assessment for an analysis of a new residential district energy system design. <i>Energy</i> , 2013, 63, 168-179.	4.5	147
62	Situated lifestyles: II. The impacts of urban density, housing type and motorization on the greenhouse gas emissions of the middle-income consumers in Finland. <i>Environmental Research Letters</i> , 2013, 8, 035050.	2.2	72
63	Situated lifestyles: I. How lifestyles change along with the level of urbanization and what the greenhouse gas implications are – a study of Finland. <i>Environmental Research Letters</i> , 2013, 8, 025003.	2.2	129
64	Service-dominated innovation in the built environment. <i>Construction Innovation</i> , 2013, 13, 146-164.	1.5	11
65	Greenhouse Gas Implications of Urban Sprawl in the Helsinki Metropolitan Area. <i>Sustainability</i> , 2013, 5, 4461-4478.	1.6	35
66	Are the Greenhouse Gas Implications of New Residential Developments Understood Wrongly?. <i>Energies</i> , 2012, 5, 2874-2893.	1.6	13
67	City level carbon mitigation strategies: What are their true impacts?. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2012, 3, 54-59.	1.0	0
68	A scenario analysis of the life cycle greenhouse gas emissions of a new residential area. <i>Environmental Research Letters</i> , 2012, 7, 034037.	2.2	99
69	An assessment of the applicability of three international neighbourhood sustainability rating systems to diverse local conditions, with a focus on Nordic case areas. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2012, 3, 96-104.	1.0	20
70	Assessing the Potential of Climate Change Mitigation Actions in Three Different City Types in Finland. <i>Sustainability</i> , 2012, 4, 1510-1524.	1.6	13
71	Housing managers key to reducing the greenhouse gas emissions of multi-family housing companies? A mixed method approach. <i>Building and Environment</i> , 2012, 56, 203-210.	3.0	22
72	An Empirical Inquiry on the Effect of Cleaner Local Energy Production on Consumer Carbon Footprint. , 2012, , 160-164.		0

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73	A consumption based LCA tool for housing management. , 2012, , 261-263.		0
74	A Carbon Consumption Comparison of Rural and Urban Lifestyles. Sustainability, 2011, 3, 1234-1249.	1.6	62
75	A Longitudinal Study on the Carbon Emissions of a New Residential Development. Sustainability, 2011, 3, 1170-1189.	1.6	41
76	Occupants have little influence on the overall energy consumption in district heated apartment buildings. Energy and Buildings, 2011, 43, 3484-3490.	3.1	36
77	Case study on the carbon consumption of two metropolitan cities. International Journal of Life Cycle Assessment, 2011, 16, 569-579.	2.2	53
78	Dense downtown living more carbon intense due to higher consumption: a case study of Helsinki. Environmental Research Letters, 2011, 6, 034034.	2.2	50
79	Implications of urban structure on carbon consumption in metropolitan areas. Environmental Research Letters, 2011, 6, 014018.	2.2	83
80	Carbon Footprint Assessment of a Residential Development Project. International Journal of Environmental Science and Development, 0, , 116-123.	0.2	16
81	Infrastructure development compromises creation of low-carbon cities. IOP Conference Series: Earth and Environmental Science, 0, 588, 042019.	0.2	1