

Arto J Saari

List of Publications by Year in descending order

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56
papers

1,902
citations

430442

18
h-index

253896

43
g-index

57
all docs

57
docs citations

57
times ranked

2080
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	Suggestions for takt production subcontract clauses â€” a conceptual study. Construction Innovation, 2022, ahead-of-print, .	1.5	1
3	Socio-economic impacts of large-scale deep energy retrofits in Finnish apartment buildings. Journal of Cleaner Production, 2022, 368, 133187.	4.6	7
4	Modeling Building Stock Development. Sustainability, 2021, 13, 723.	1.6	6
5	Takt Production Monitoring and Control in Apartment Renovation Projects. Buildings, 2021, 11, 92.	1.4	7
6	Investigating the barriers to laser scanning implementation in building refurbishment. Journal of Information Technology in Construction, 2021, 26, 249-262.	1.4	3
7	Emissions and power demand in optimal energy retrofit scenarios of the Finnish building stock by 2050. Sustainable Cities and Society, 2021, 70, 102896.	5.1	27
8	Assessing ventilation strategies in a school with observed indoor air problems. Facilities, 2021, ahead-of-print, .	0.8	2
9	Decision-making when organising facilities for a school: a participatory action research approach. Facilities, 2020, 38, 913-926.	0.8	4
10	Uncertainty in the Early Phase of a Municipal Building Refurbishment Projectâ€”A Case Study in Finland. Buildings, 2020, 10, 137.	1.4	4
11	Circular economy practices in the built environment. Journal of Cleaner Production, 2020, 276, 124215.	4.6	135
12	Takt Planning in Apartment Building Renovation Projects. Buildings, 2020, 10, 226.	1.4	6
13	Urban Housing Density and Infrastructure Costs. Sustainability, 2020, 12, 497.	1.6	10
14	Municipal challenges in managing a building with noted health symptoms. Facilities, 2019, 38, 365-377.	0.8	8
15	Indicators of collaborative design management in construction projects. Journal of Engineering, Design and Technology, 2018, 16, 674-691.	1.1	15
16	Effect of energy measures on the values of energy efficiency indicators in Finnish daycare and school buildings. Energy and Buildings, 2017, 139, 124-132.	3.1	16
17	Consideration of energy consumption, energy costs, and space occupancy in Finnish daycare centres and school buildings. Energy and Buildings, 2016, 129, 199-206.	3.1	13
18	Project delivery systems for nZEB projects. Facilities, 2016, 34, 85-100.	0.8	18

#	ARTICLE	IF	CITATIONS
19	Identifying and managing risks involved in the transition to the EU nZEB decree. <i>Facilities</i> , 2016, 34, 339-349.	0.8	1
20	A Customer's Possibilities to Increase the Performance of a Service Provider by Adding Value and Deepening the Partnership in Facility Management Service. <i>Management and Production Engineering Review</i> , 2016, 7, 50-61.	1.4	2
21	Impact of building usage and occupancy on energy consumption in Finnish daycare and school buildings. <i>Energy and Buildings</i> , 2015, 105, 247-257.	3.1	27
22	Measured energy consumption of educational buildings in a Finnish city. <i>Energy and Buildings</i> , 2015, 87, 105-115.	3.1	47
23	Commissioning for nearly zero-energy building projects. <i>Construction Innovation</i> , 2014, 14, 370-382.	1.5	4
24	Ensuring functionality of a nearly zero-energy building with procurement methods. <i>Facilities</i> , 2014, 32, 312-323.	0.8	5
25	Attitude-behaviour gap in energy issues: Case study of three different Finnish residential areas. <i>Energy for Sustainable Development</i> , 2013, 17, 24-34.	2.0	42
26	Renewable vs. traditional energy management solutions – A Finnish hospital facility case. <i>Renewable Energy</i> , 2013, 57, 539-545.	4.3	24
27	Experts' view on Finland's energy policy. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 17, 283-290.	8.2	12
28	Economic viability of energy-efficiency measures in educational buildings in Finland. <i>Advances in Building Energy Research</i> , 2013, 7, 120-127.	1.1	5
29	Consumer Panel on the Readiness of Finns to Behave in a More Pro-Environmental Manner. <i>Sustainability</i> , 2012, 4, 1561-1579.	1.6	4
30	Financial viability of energy-efficiency measures in a new detached house design in Finland. <i>Applied Energy</i> , 2012, 92, 76-83.	5.1	33
31	The development of constructability using BIM as an intensifying technology. , 2012, , 713-716.		10
32	Quality level assessment model for senior housing. <i>Property Management</i> , 2011, 29, 34-49.	0.4	6
33	Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation. <i>Energy and Buildings</i> , 2011, 43, 3279-3288.	3.1	215
34	The productivity impact of the voice link between elderly and nurses: An assisted living facility pilot. <i>Archives of Gerontology and Geriatrics</i> , 2011, 52, e44-e49.	1.4	8
35	Uncertainties in flood risk mapping: a case study on estimating building damages for a river flood in Finland. <i>Journal of Flood Risk Management</i> , 2010, 3, 166-183.	1.6	54
36	Urgent need for new approach to energy policy: The case of Finland. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 2068-2076.	8.2	38

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37	Consumer panel study on elderly people's wishes concerning services. Archives of Gerontology and Geriatrics, 2010, 51, e66-e71.	1.4	15
38	ROTI Method: Evaluation of the State of the Built Environment in Finland. Journal of the Urban Planning and Development Division, ASCE, 2009, 135, 86-89.	0.8	2
39	Re-engineering of the meal logistics in a sheltered house for elderly people. Facilities, 2009, 27, 120-137.	0.8	4
40	Computational design concept analysis: a Nordic comparison of four apartment buildings. Structural Survey, 2008, 26, 29-37.	1.0	1
41	Estimating the environmental burdens of residential energy supply systems through material input and emission factors. Building and Environment, 2008, 43, 1734-1748.	3.0	12
42	The indoor condition guarantee procedure and associated lease contract model. Facilities, 2008, 26, 144-156.	0.8	3
43	Precision refurbishment of buildings: a façade refurbishment case study. Structural Survey, 2008, 26, 108-119.	1.0	2
44	Energy Consumption of a Public Swimming Bath. Open Construction and Building Technology Journal, 2008, 2, 202-206.	0.3	11
45	Building Flexibility Management. Open Construction and Building Technology Journal, 2008, 2, 239-242.	0.3	11
46	Life-time Material Effectiveness Analysis of Building Components. Open Construction and Building Technology Journal, 2008, 2, 166-169.	0.3	0
47	Flexibuild – a systematic flexibility management procedure for building projects. Facilities, 2007, 25, 104-114.	0.8	9
48	Multi-criteria evaluation of residential energy supply systems. Energy and Buildings, 2007, 39, 1218-1226.	3.1	90
49	Influence of vehicle type and road category on natural resource consumption in road transport. Transportation Research, Part D: Transport and Environment, 2007, 12, 23-32.	3.2	23
50	The effect of a redesigned floor plan, occupant density and the quality of indoor climate on the cost of space, productivity and sick leave in an office building – A case study. Building and Environment, 2006, 41, 1961-1972.	3.0	40
51	The financial viability of an SOFC cogeneration system in single-family dwellings. Journal of Power Sources, 2006, 158, 403-416.	4.0	63
52	Distributed energy generation and sustainable development. Renewable and Sustainable Energy Reviews, 2006, 10, 539-558.	8.2	532
53	MIPS analysis of natural resource consumption in two university buildings. Building and Environment, 2006, 41, 657-668.	3.0	30
54	Natural resource consumption in rail transport: A note analysing two Finnish railway lines. Transportation Research, Part D: Transport and Environment, 2006, 11, 227-232.	3.2	3

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55	Indoor environment quality contracts in building projects. <i>Building Research and Information</i> , 2006, 34, 66-74.	2.0	7
56	Sustainable small-scale CHP technologies for buildings: the basis for multi-perspective decision-making. <i>Renewable and Sustainable Energy Reviews</i> , 2004, 8, 401-431.	8.2	182