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	Distributed energy generation and sustainable development. Renewable and Sustainable Energy Reviews, 2006, 10, 539-558.	8.2	532
2	Cost optimal and nearly zero (nZEB) energy performance calculations for residential buildings with REHVA definition for nZEB national implementation. Energy and Buildings, 2011, 43, 3279-3288.	3.1	215
3	Sustainable small-scale CHP technologies for buildings: the basis for multi-perspective decision-making. Renewable and Sustainable Energy Reviews, 2004, 8, 401-431.	8.2	182
4	Circular economy practices in the built environment. Journal of Cleaner Production, 2020, 276, 124215.	4.6	135
5	Multi-criteria evaluation of residential energy supply systems. Energy and Buildings, 2007, 39, 1218-1226.	3.1	90
6	The financial viability of an SOFC cogeneration system in single-family dwellings. Journal of Power Sources, 2006, 158, 403-416.	4.0	63
7	Uncertainties in flood risk mapping: a case study on estimating building damages for a river flood in Finland. Journal of Flood Risk Management, 2010, 3, 166-183.	1.6	54
8	Measured energy consumption of educational buildings in a Finnish city. Energy and Buildings, 2015, 87, 105-115.	3.1	47
9	Attitudeâ€“behaviour gap in energy issues: Case study of three different Finnish residential areas. Energy for Sustainable Development, 2013, 17, 24-34.	2.0	42
10	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
11	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 buildingâ€“A case study. Building and Environment, 2006, 41, 1961-1972.	3.0	40
12	Urgent need for new approach to energy policy: The case of Finland. Renewable and Sustainable Energy Reviews, 2010, 14, 2068-2076.	8.2	38
13	Financial viability of energy-efficiency measures in a new detached house design in Finland. Applied Energy, 2012, 92, 76-83.	5.1	33
14	MIPS analysis of natural resource consumption in two university buildings. Building and Environment, 2006, 41, 657-668.	3.0	30
15	Impact of building usage and occupancy on energy consumption in Finnish daycare and school buildings. Energy and Buildings, 2015, 105, 247-257.	3.1	27
16	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
17	Renewable vs. traditional energy management solutions â€“ A Finnish hospital facility case. Renewable Energy, 2013, 57, 539-545.	4.3	24
18	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

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19	Project delivery systems for nZEB projects. Facilities, 2016, 34, 85-100.	0.8	18
20	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
21	Consumer panel study on elderly people's wishes concerning services. Archives of Gerontology and Geriatrics, 2010, 51, e66-e71.	1.4	15
22	Indicators of collaborative design management in construction projects. Journal of Engineering, Design and Technology, 2018, 16, 674-691.	1.1	15
23	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
24	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
25	Experts' view on Finland's energy policy. Renewable and Sustainable Energy Reviews, 2013, 17, 283-290.	8.2	12
26	Energy Consumption of a Public Swimming Bath. Open Construction and Building Technology Journal, 2008, 2, 202-206.	0.3	11
27	Building Flexibility Management. Open Construction and Building Technology Journal, 2008, 2, 239-242.	0.3	11
28	Urban Housing Density and Infrastructure Costs. Sustainability, 2020, 12, 497.	1.6	10
29	The development of constructability using BIM as an intensifying technology. , 2012, , 713-716.		10
30	Flexibuild â€“ a systematic flexibility management procedure for building projects. Facilities, 2007, 25, 104-114.	0.8	9
31	The productivity impact of the voice link between elderly and nurses: An assisted living facility pilot. Archives of Gerontology and Geriatrics, 2011, 52, e44-e49.	1.4	8
32	Municipal challenges in managing a building with noted health symptoms. Facilities, 2019, 38, 365-377.	0.8	8
33	Indoor environment quality contracts in building projects. Building Research and Information, 2006, 34, 66-74.	2.0	7
34	Takt Production Monitoring and Control in Apartment Renovation Projects. Buildings, 2021, 11, 92.	1.4	7
35	Socio-economic impacts of large-scale deep energy retrofits in Finnish apartment buildings. Journal of Cleaner Production, 2022, 368, 133187.	4.6	7
36	Quality level assessment model for senior housing. Property Management, 2011, 29, 34-49.	0.4	6

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37	Takt Planning in Apartment Building Renovation Projects. Buildings, 2020, 10, 226.	1.4	6
38	Modeling Building Stock Development. Sustainability, 2021, 13, 723.	1.6	6
39	Economic viability of energy-efficiency measures in educational buildings in Finland. Advances in Building Energy Research, 2013, 7, 120-127.	1.1	5
40	Ensuring functionality of a nearly zero-energy building with procurement methods. Facilities, 2014, 32, 312-323.	0.8	5
41	Reâ€engineering of the meal logistics in a sheltered house for elderly people. Facilities, 2009, 27, 120-137.	0.8	4
42	Consumer Panel on the Readiness of Finns to Behave in a More Pro-Environmental Manner. Sustainability, 2012, 4, 1561-1579.	1.6	4
43	Commissioning for nearly zero-energy building projects. Construction Innovation, 2014, 14, 370-382.	1.5	4
44	Decision-making when organising facilities for a school: a participatory action research approach. Facilities, 2020, 38, 913-926.	0.8	4
45	Uncertainty in the Early Phase of a Municipal Building Refurbishment Projectâ€”A Case Study in Finland. Buildings, 2020, 10, 137.	1.4	4
46	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
47	The indoor condition guarantee procedure and associated lease contract model. Facilities, 2008, 26, 144-156.	0.8	3
48	Investigating the barriers to laser scanning implementation in building refurbishment. Journal of Information Technology in Construction, 2021, 26, 249-262.	1.4	3
49	Precision refurbishment of buildings: a faÃ§ade refurbishment case study. Structural Survey, 2008, 26, 108-119.	1.0	2
50	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
51	Assessing ventilation strategies in a school with observed indoor air problems. Facilities, 2021, ahead-of-print, .	0.8	2
52	A Customerâ€™s Possibilities to Increase the Performance of a Service Provider by Adding Value and Deepening the Partnership in Facility Management Service. Management and Production Engineering Review, 2016, 7, 50-61.	1.4	2
53	Computational design concept analysis: a Nordic comparison of four apartment buildings. Structural Survey, 2008, 26, 29-37.	1.0	1
54	Identifying and managing risks involved in the transition to the EU nZEB decree. Facilities, 2016, 34, 339-349.	0.8	1

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55	Suggestions for takt production subcontract clauses â€“ a conceptual study. Construction Innovation, 2022, ahead-of-print, .	1.5	1
56	Life-time Material Effectiveness Analysis of Building Components. Open Construction and Building Technology Journal, 2008, 2, 166-169.	0.3	0