

# Igor Sartori

## List of Publications by Citations

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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.

21  
papers

1,171  
citations

14  
h-index

21  
g-index

21  
ext. papers

1,346  
ext. citations

5.6  
avg. IF

4.69  
L-index

#	Paper	IF	Citations
21	Net zero energy buildings: A consistent definition framework. <i>Energy and Buildings</i> , <b>2012</b> , 48, 220-232	7	518
20	Dynamic building stock modelling: Application to 11 European countries to support the energy efficiency and retrofit ambitions of the EU. <i>Energy and Buildings</i> , <b>2016</b> , 132, 26-38	7	93
19	Energy demand in the Norwegian building stock: Scenarios on potential reduction. <i>Energy Policy</i> , <b>2009</b> , 37, 1614-1627	7.2	78
18	Advanced control of heat pumps for improved flexibility of Net-ZEB towards the grid. <i>Energy and Buildings</i> , <b>2014</b> , 69, 74-84	7	76
17	Towards modelling of construction, renovation and demolition activities: Norway's dwelling stock, 1900-2010. <i>Building Research and Information</i> , <b>2008</b> , 36, 412-425	4.3	63
16	Methodology for optimal energy system design of Zero Energy Buildings using mixed-integer linear programming. <i>Energy and Buildings</i> , <b>2016</b> , 127, 194-205	7	52
15	The impact of Zero Energy Buildings on the Scandinavian energy system. <i>Energy</i> , <b>2017</b> , 118, 284-296	7.9	45
14	Dynamic building stock modelling: General algorithm and exemplification for Norway. <i>Energy and Buildings</i> , <b>2016</b> , 132, 13-25	7	44
13	Using a dynamic segmented model to examine future renovation activities in the Norwegian dwelling stock. <i>Energy and Buildings</i> , <b>2014</b> , 82, 287-295	7	41
12	Cost-optimal energy system design in Zero Energy Buildings with resulting grid impact: A case study of a German multi-family house. <i>Energy and Buildings</i> , <b>2016</b> , 127, 830-845	7	34
11	Using a segmented dynamic dwelling stock model for scenario analysis of future energy demand: The dwelling stock of Norway 2016-2050. <i>Energy and Buildings</i> , <b>2017</b> , 146, 220-232	7	33
10	Predictive rule-based control to activate the energy flexibility of Norwegian residential buildings: Case of an air-source heat pump and direct electric heating. <i>Applied Energy</i> , <b>2019</b> , 237, 500-518	10.7	32
9	Sensitivity analysis in long-term dynamic building stock modeling: Exploring the importance of uncertainty of input parameters in Norwegian segmented dwelling stock model. <i>Energy and Buildings</i> , <b>2014</b> , 85, 136-144	7	26
8	Explaining the historical energy use in dwelling stocks with a segmented dynamic model: Case study of Norway 1960-2015. <i>Energy and Buildings</i> , <b>2016</b> , 132, 141-153	7	22
7	Is It Possible to Supply Norwegian Apartment Blocks with 4th Generation District Heating?. <i>Energies</i> , <b>2019</b> , 12, 941	3.1	7
6	Nearly Zero, Net Zero, and Plus Energy Buildings – Theory, Terminology, Tools, and Examples <b>2013</b> , 875-889		3
5	Analysis of the impact resolution has on load matching in the Norwegian context. <i>Energy Procedia</i> , <b>2017</b> , 132, 610-615	2.3	3

4	Inverse Model Identification of the Thermal Dynamics of a Norwegian Zero Emission House. <i>Springer Proceedings in Energy</i> , <b>2019</b> , 533-543	0.2	1
3	Energy flexibility potential of domestic hot water systems in apartment buildings. <i>E3S Web of Conferences</i> , <b>2021</b> , 246, 11005	0.5	0
2	Comparing model projections with reality: Experiences from modelling building stock energy use in Norway. <i>Energy and Buildings</i> , <b>2022</b> , 268, 112186	7	0
1	What Is the Minimum District Heating Supply Temperature in Residential Buildings in Norway?. <i>Springer Proceedings in Energy</i> , <b>2019</b> , 303-316	0.2	