

# Angela

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/555569/publications.pdf>

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43  
papers

1,742  
citations

331259

21  
h-index

264894

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Building-stock aggregation through archetype buildings: France, Germany, Spain and the UK. <i>Building and Environment</i> , 2014, 81, 270-282.	3.0	181
2	The effect of combining a relative-humidity-sensitive ventilation system with the moisture-buffering capacity of materials on indoor climate and energy efficiency of buildings. <i>Building and Environment</i> , 2009, 44, 515-524.	3.0	166
3	Energy usage and technical potential for energy saving measures in the Swedish residential building stock. <i>Energy Policy</i> , 2013, 55, 404-414.	4.2	129
4	Impact study of the climate change on the energy performance of the building stock in Stockholm considering four climate uncertainties. <i>Building and Environment</i> , 2013, 60, 291-304.	3.0	116
5	A modelling strategy for energy, carbon, and cost assessments of building stocks. <i>Energy and Buildings</i> , 2013, 56, 100-108.	3.1	112
6	Interior insulation retrofit of a historical brick wall using vacuum insulation panels: Hygrothermal numerical simulations and laboratory investigations. <i>Building and Environment</i> , 2014, 79, 31-45.	3.0	87
7	The International Building Physics Toolbox in Simulink. <i>Energy and Buildings</i> , 2007, 39, 665-674.	3.1	71
8	Effective and robust energy retrofitting measures for future climatic conditions – Reduced heating demand of Swedish households. <i>Energy and Buildings</i> , 2016, 121, 176-187.	3.1	60
9	Assessment of hygrothermal performance and mould growth risk in ventilated attics in respect to possible climate changes in Sweden. <i>Building and Environment</i> , 2012, 55, 96-109.	3.0	58
10	Future moisture loads for building facades in Sweden: Climate change and wind-driven rain. <i>Building and Environment</i> , 2015, 93, 362-375.	3.0	54
11	Retrofitting of a listed brick and wood building using vacuum insulation panels on the exterior of the facade: Measurements and simulations. <i>Energy and Buildings</i> , 2014, 73, 92-104.	3.1	49
12	A statistical method for assessing retrofitting measures of buildings and ranking their robustness against climate change. <i>Energy and Buildings</i> , 2015, 88, 262-275.	3.1	41
13	Contributions of building retrofitting in five member states to EU targets for energy savings. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 759-774.	8.2	39
14	Economic feasibility of building retrofitting mitigation potentials: Climate change uncertainties for Swedish cities. <i>Applied Energy</i> , 2019, 242, 1022-1035.	5.1	38
15	Effect of phase separation and supercooling on the storage capacity in a commercial latent heat thermal energy storage: Experimental cycling of a salt hydrate PCM. <i>Journal of Energy Storage</i> , 2020, 29, 101266.	3.9	36
16	Cost-effective retrofitting of Swedish residential buildings: effects of energy price developments and discount rates. <i>Energy Efficiency</i> , 2015, 8, 223-237.	1.3	35
17	Statistical methods for assessing and analysing the building performance in respect to the future climate. <i>Building and Environment</i> , 2012, 53, 107-118.	3.0	33
18	Evaluation of 5 years' performance of VIPs in a retrofitted building facade. <i>Energy and Buildings</i> , 2016, 130, 488-494.	3.1	30

#	ARTICLE	IF	CITATIONS
19	Modelling opportunities and costs associated with energy conservation in the Spanish building stock. <i>Energy and Buildings</i> , 2015, 88, 347-360.	3.1	29
20	Characterizing phase change materials using the T-History method: On the factors influencing the accuracy and precision of the enthalpy-temperature curve. <i>Thermochimica Acta</i> , 2018, 666, 212-228.	1.2	22
21	Thermal energy storage using phase change materials: Techno-economic evaluation of a cold storage installation in an office building. <i>Applied Energy</i> , 2020, 276, 115433.	5.1	22
22	Simulating wind-driven rain on building facades using Eulerian multiphase with rain phase turbulence model. <i>Building and Environment</i> , 2016, 106, 1-9.	3.0	20
23	The Implications of Climate Zones on the Cost-Optimal Level and Cost-Effectiveness of Building Envelope Energy Renovation and Space Heat Demand Reduction. <i>Buildings</i> , 2017, 7, 39.	1.4	20
24	Condensation and moisture transport in cold roofs: effects of roof underlay. <i>Building Research and Information</i> , 2009, 37, 117-128.	2.0	17
25	A multi-level modelling and evaluation of thermal performance of phase-change materials in buildings. <i>Journal of Building Performance Simulation</i> , 2014, 7, 289-308.	1.0	17
26	Assessing the Efficiency and Robustness of the Retrofitted Building Envelope Against Climate change. <i>Energy Procedia</i> , 2015, 78, 955-960.	1.8	17
27	Techno-economic assessment of thermal energy storage technologies for demand-side management in low-temperature individual heating systems. <i>Energy</i> , 2021, 236, 121496.	4.5	17
28	The multiphysics modeling of heat and moisture induced stress and strain of historic building materials and artefacts. <i>Building Simulation</i> , 2014, 7, 217-227.	3.0	13
29	Correction of the enthalpy-temperature curve of phase change materials obtained from the T-History method based on a transient heat conduction model. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 573-588.	2.5	12
30	On the impact of porous media microstructure on rainfall infiltration of thin homogeneous green roof growth substrates. <i>Journal of Hydrology</i> , 2020, 582, 124286.	2.3	12
31	Hygrothermal performance of a vapor-open envelope for subtropical climate, field test and model validation. <i>Building and Environment</i> , 2016, 110, 55-64.	3.0	8
32	Numerical Simulations and Empirical Data for the Evaluation of Daylight Factors in Existing Buildings in Sweden. <i>Energies</i> , 2019, 12, 2200.	1.6	8
33	Drying Potential of Cold Attic Using Natural and Controlled Ventilation in Different Swedish Climates. <i>Procedia Engineering</i> , 2016, 146, 2-7.	1.2	7
34	Investigating PCM Activation using Transient Plane Source Method. <i>Energy Procedia</i> , 2015, 78, 800-805.	1.8	6
35	Effect Smart Solutions for District Heating Networks Based on Energy Storage in Buildings. Impact on Indoor Temperatures. <i>Energy Procedia</i> , 2015, 78, 2244-2249.	1.8	6
36	Hygrothermal Conditions and Mould Growth Potential in Cold Attics: Impact of Weather, Building System and Construction Design Characteristics. <i>Building Pathology and Rehabilitation</i> , 2013, , 61-91.	0.1	5

#	ARTICLE	IF	CITATIONS
37	NUMERICAL SIMULATION OF TRANSIENT MOISTURE TRANSPORT FOR HYGROSCOPIC INERTIA ASSESSMENT. Journal of Porous Media, 2012, 15, 793-804.	1.0	4
38	Super insulation plasters in renovation of buildings in Sweden: energy efficiency and possibilities with new building materials. IOP Conference Series: Earth and Environmental Science, 2020, 588, 042050.	0.2	4
39	El cubo de armonizaci3n HSB Living Lab. Informes De La Construccin, 2017, 69, 224.	0.1	2
40	Early-stage concentrations of formaldehydes and TVOCs in a new low-energy building. E3S Web of Conferences, 2020, 172, 06007.	0.2	1
41	Co-Heating method for thermal performance evaluation of closed refrigerated display cabinets. International Journal of Refrigeration, 2021, 121, 51-60.	1.8	1
42	Hygro-thermal model for estimation of demand response flexibility of closed refrigerated display cabinets. Applied Energy, 2021, 284, 116381.	5.1	1
43	Exploratory investigation of return air temperature sensor measurement errors in refrigerated display cabinets. Energy Efficiency, 2021, 14, 1.	1.3	0