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List of Publications by Year
in descending order

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37 papers	1,300 citations	331538 21 h-index	345118 36 g-index
37 all docs	37 docs citations	37 times ranked	1145 citing authors

#	Article	IF	Citations
1	Using building thermal mass energy storage to offset temporary BIPV output reductions due to passing clouds in an office building. Building and Environment, 2022, 207, 108504.	3.0	6
2	Development of a low-pressure loss PM2.5 filter for building natural ventilation. Building and Environment, 2022, 212, 108798.	3.0	1
3	Low-cost DIY thermal upgrades for overheating mitigation in slum houses in Latin America & Caribbean. Energy and Buildings, 2022, , 112319.	3.1	0
4	Ventilative Cooling and Air Pollutants. PoliTO Springer Series, 2021, , 79-124.	0.3	1
5	Development, Calibration and Validation of an Internal Air Temperature Model for a Naturally Ventilated Nearly Zero Energy Building: Comparison of Model Types and Calibration Methods. Energies, 2021, 14, 871.	1.6	13
6	Effect of window geometry on wind driven single sided ventilation through one opening. Energy and Buildings, 2021, 245, 111060.	3.1	17
7	Pumping ventilation of corner and single sided rooms with two openings. Building and Environment, 2021, 205, 108171.	3.0	12
8	Comparison of methodologies for generation of future weather data for building thermal energy simulation. Energy and Buildings, 2020, 206, 109556.	3.1	34
9	The shape of days to come: Effects of climate change on low energy buildings. Building and Environment, 2020, 181, 107125.	3.0	17
10	Experimental and numerical investigation of pumping ventilation on the leeward side of a cubic building. Building and Environment, 2020, 179, 106897.	3.0	26
11	Full-scale measurement and validated simulation of cooling load reduction due to nighttime natural ventilation of a large atrium. Energy and Buildings, 2020, 224, 110233.	3.1	35
12	A simulation study of decreased life expectancy from exposure to ambient particulate air pollution (PM2.5) in naturally ventilated workspaces. Journal of Building Engineering, 2020, 30, 101268.	1.6	9
13	Measured and modeled performance of internal mass as a thermal energy battery for energy flexible residential buildings. Applied Energy, 2019, 239, 252-267.	5.1	43
14	A technical note on simplified modeling of turbulent mixing in wind-driven single sided ventilation. Building and Environment, 2018, 131, 12-15.	3.0	18
15	Comparison between geothermal district heating and deep energy refurbishment of residential building districts. Sustainable Cities and Society, 2018, 38, 309-324.	5.1	30
16	Effects of airborne fine particle pollution on the usability of natural ventilation in office buildings in three megacities in Asia. Renewable Energy, 2018, 117, 357-373.	4.3	21
17	Impact of PM2.5 in indoor urban environments: A review. Sustainable Cities and Society, 2018, 42, 259-275.	5.1	174
18	Simulated and measured performance of displacement ventilation systems in large rooms. Building and Environment, 2017, 114, 470-482.	3.0	37

#	Article	IF	Citations
19	Simulation of the effect of fine particle pollution on the potential for natural ventilation of non-domestic buildings in European cities. Building and Environment, 2017, 115, 236-250.	3.0	36
20	Impact of outdoor PM2.5 on natural ventilation usability in Californiaâ€™s nondomestic buildings. Applied Energy, 2017, 189, 711-724.	5.1	60
21	Validation of a lumped RC model for thermal simulation of a double skin natural and mechanical ventilated test cell. Energy and Buildings, 2016, 121, 92-103.	3.1	39
22	Comparison of measured and simulated performance of natural displacement ventilation systems for classrooms. Energy and Buildings, 2016, 133, 185-196.	3.1	22
23	Ten questions about natural ventilation of non-domestic buildings. Building and Environment, 2016, 107, 263-273.	3.0	87
24	Impact of aperture separation on wind-driven single-sided natural ventilation. Building and Environment, 2016, 108, 122-134.	3.0	41
25	The effect of typical buoyant flow elements and heat load combinations on room air temperature profile with displacement ventilation. Building and Environment, 2016, 108, 207-219.	3.0	22
26	Validation of numerical simulation tools for wind-driven natural ventilation design. Building Simulation, 2016, 9, 75-87.	3.0	39
27	A two-zone model for natural cross-ventilation. Building and Environment, 2015, 89, 72-85.	3.0	13
28	Simplified modeling of displacement ventilation systems with chilled ceilings. Energy and Buildings, 2015, 108, 44-54.	3.1	20
29	A validated three-node model for displacement ventilation. Building and Environment, 2015, 84, 50-59.	3.0	36
30	Validation of EnergyPlus thermal simulation of a double skin naturally and mechanically ventilated test cell. Energy and Buildings, 2014, 75, 511-522.	3.1	135
31	Energy certification of existing office buildings: Analysis of two case studies and qualitative reflection. Sustainable Cities and Society, 2013, 9, 81-95.	5.1	11
32	Building Energy Certification System: Application to a Building in Lisbon and Paths to a Future Enhanced Scheme. Energy Engineering: Journal of the Association of Energy Engineers, 2013, 110, 7-34.	0.3	2
33	Thermal and airflow simulation of a naturally ventilated shopping mall. Energy and Buildings, 2012, 50, 177-188.	3.1	37
34	Solar powered net zero energy houses for southern Europe: Feasibility study. Solar Energy, 2012, 86, 634-646.	2.9	80
35	Design and testing of a control strategy for a large, naturally ventilated office building. Building Services Engineering Research and Technology, 2004, 25, 223-239.	0.9	24
36	Use of simulation in the design of a large, naturally ventilated office building. Building Services Engineering Research and Technology, 2004, 25, 211-221.	0.9	16

#	Article	IF	Citations
37	Simulation of wind-driven ventilative cooling systems for an apartment building in Beijing and Shanghai. Energy and Buildings, 2002, 34, 1-11.	3.1	86