

Qian Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/606215/publications.pdf>

Version: 2024-02-01

21
papers

275
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

231
citing authors

#	ARTICLE	IF	CITATIONS
1	A methodology to assess energy-demand savings and cost effectiveness of retrofitting in existing Swedish residential buildings. <i>Sustainable Cities and Society</i> , 2015, 14, 254-266.	10.4	49
2	Ventilation heat recovery jointed low-temperature heating in retrofitting—An investigation of energy conservation, environmental impacts and indoor air quality in Swedish multifamily houses. <i>Energy and Buildings</i> , 2016, 121, 250-264.	6.7	37
3	Retrofitting with low-temperature heating to achieve energy-demand savings and thermal comfort. <i>Energy and Buildings</i> , 2015, 109, 217-229.	6.7	29
4	A novel hybrid methodology to evaluate sustainable retrofitting in existing Swedish residential buildings. <i>Sustainable Cities and Society</i> , 2015, 16, 24-38.	10.4	29
5	Energy and defrosting contributions of preheating cold supply air in buildings with balanced ventilation. <i>Applied Thermal Engineering</i> , 2019, 146, 180-189.	6.0	18
6	Design requirements for condensation-free operation of high-temperature cooling systems in mediterranean climate. <i>Building and Environment</i> , 2020, 185, 107273.	6.9	17
7	Heat transfer model for energy-active windows — An evaluation of efficient reuse of waste heat in buildings. <i>Renewable Energy</i> , 2020, 162, 2318-2329.	8.9	15
8	Evaluating the potential of reducing peak heating load of a multi-family house using novel heat recovery system. <i>Applied Thermal Engineering</i> , 2018, 130, 1182-1190.	6.0	13
9	Development of an integrated approach for the inverse design of built environment by a fast fluid dynamics-based generic algorithm. <i>Building and Environment</i> , 2019, 160, 106205.	6.9	12
10	Maximizing thermal performance of building ventilation using geothermal and wastewater heat. <i>Resources, Conservation and Recycling</i> , 2019, 143, 90-98.	10.8	12
11	Combined Retrofitting with Low Temperature Heating and Ventilation Energy Savings. <i>Energy Procedia</i> , 2015, 78, 1081-1086.	1.8	10
12	A holistic performance evaluation of ventilation radiators — An assessment according to EN 442-2 using numerical simulations. <i>Journal of Building Engineering</i> , 2019, 25, 100818.	3.4	9
13	Evaluating the cooling potential of a geothermal-assisted ventilation system for multi-family dwellings in the Scandinavian climate. <i>Building and Environment</i> , 2021, 204, 108114.	6.9	8
14	Low-temperature heating in existing Swedish multi-family houses—An assessment of the significance of radiator design and geometry. <i>Science and Technology for the Built Environment</i> , 2017, 23, 500-511.	1.7	6
15	Reducing the defrosting needs of air-handling units by using heat from wastewater in apartment buildings in cold climates. <i>Applied Thermal Engineering</i> , 2019, 157, 113647.	6.0	5
16	Performance Analysis of a Geothermal Radiant Cooling System Supported by Dehumidification. <i>Energies</i> , 2022, 15, 2815.	3.1	3
17	Mapping Relevant Parameters for Efficient Operation of Low-Temperature Heating Systems in Nordic Single-Family Dwellings. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1973.	2.5	2
18	Thermodynamic and thermal comfort performance evaluation of two geothermal high-temperature cooling systems in the mediterranean climate. <i>Journal of Building Engineering</i> , 2022, 56, 104738.	3.4	1

#	ARTICLE	IF	CITATIONS
19	Study on Full-scale Bending Experiment of Concrete Girder Reinforced by Steel Plate and Concrete Composite Strengthening Method. IABSE Symposium Report, 2015, , .	0.0	0
20	Frost reduction in mechanical balanced ventilation by efficient means of preheating cold supply air. IOP Conference Series: Materials Science and Engineering, 2019, 609, 052007.	0.6	0
21	Business Model Analysis of Geo-TABS Buildings with Predictive Control Systems. Springer Proceedings in Energy, 2019, , 761-772.	0.3	0