Paul Raftery

List of Publications by Year in Descending Order

38 papers	1,488 citations	17 h-index	38 g-index
43 ext. papers	1,770 ext. citations	6.7 avg, IF	5.09 L-index

#	Paper	IF	Citations
38	Detailed measured air speed distribution in four commercial buildings with ceiling fans. *Building and Environment*, **2021**, 200, 107979	6.5	4
37	Cooling energy savings and occupant feedback in a two year retrofit evaluation of 99 automated ceiling fans staged with air conditioning. *Energy and Buildings*, **2021**, 251, 111319	7	2
36	Ceiling-fan-integrated air-conditioning: thermal comfort evaluations. *Buildings and Cities*, **2021**, 2,	3.3	2
35	Ceiling-fan-integrated air conditioning: Airflow and temperature characteristics of a sidewall-supply jet interacting with a ceiling fan. *Building and Environment*, **2020**, 171, 106660	6.5	7
34	Measuring 3D indoor air velocity via an inexpensive low-power ultrasonic anemometer. *Energy and Buildings*, **2020**, 211, 109805	7	11
33	Mortar. *ACM Transactions on Sensor Networks*, **2020**, 16, 1-31	2.9	1
32	Comparison of mean radiant and air temperatures in mechanically-conditioned commercial buildings from over 200,000 field and laboratory measurements. *Energy and Buildings*, **2020**, 206, 109582	7	24
31	The Building Data Genome Project 2, energy meter data from the ASHRAE Great Energy Predictor III competition. *Scientific Data*, **2020**, 7, 368	8.2	20
30	Ceiling fans: Predicting indoor air speeds based on full scale laboratory measurements. *Building and Environment*, **2019**, 155, 210-223	6.5	23
29	Side-by-side laboratory comparison of radiant and all-air cooling: How natural ventilation cooling and heat gain characteristics impact space heat extraction rates and daily thermal energy use. *Energy and Buildings*, **2019**, 200, 68-85	7	15
28	Environmental and energy performance assessment of buildings using scenario modelling and fuzzy analytic network process. *Applied Energy*, **2019**, 255, 113788	10.7	15
27	Occupant comfort and behavior: High-resolution data from a 6-month field study of personal comfort systems with 37 real office workers. *Building and Environment*, **2019**, 148, 348-360	6.5	48
26	Ceiling fans in commercial buildings: In situ airspeeds & practitioner experience. *Building and Environment*, **2019**, 147, 241-257	6.5	14
25	Full scale laboratory experiment on the cooling capacity of a radiant floor system. *Energy and Buildings*, **2018**, 170, 134-144	7	22
24	Evaluation of a cost-responsive supply air temperature reset strategy in an office building. *Energy and Buildings*, **2018**, 158, 356-370	7	16
23	Development of Whole-Building Energy Models for Detailed Energy Insights of a Large Office Building with Green Certification Rating in Singapore. *Energy Technology*, **2018**, 6, 84-93	3.5	10
22	Side-by-side laboratory comparison of space heat extraction rates and thermal energy use for radiant and all-air systems. *Energy and Buildings*, **2018**, 176, 139-150	7	23

21	Personal comfort models: Predicting individualsbthermal preference using occupant heating and cooling behavior and machine learning. *Building and Environment*, **2018**, 129, 96-106	6.5	189
20	Performance analysis of pulsed flow control method for radiant slab system. *Building and Environment*, **2018**, 127, 107-119	6.5	10
19	Effect of acoustical clouds coverage and air movement on radiant chilled ceiling cooling capacity. *Energy and Buildings*, **2018**, 158, 939-949	7	9
18	Mortar **2018**,		3
17	Quantifying energy losses in hot water reheat systems. *Energy and Buildings*, **2018**, 179, 183-199	7	2
16	Time-averaged ventilation for optimized control of variable-air-volume systems. *Energy and Buildings*, **2017**, 139, 465-475	7	15
15	Cooling capacity and acoustic performance of radiant slab systems with free-hanging acoustical clouds. *Energy and Buildings*, **2017**, 138, 676-686	7	10
14	Comparing temperature and acoustic satisfaction in 60 radiant and all-air buildings. *Building and Environment*, **2017**, 126, 431-441	6.5	30
13	Ceiling fan air speeds around desks and office partitions. *Building and Environment*, **2017**, 124, 412-440	6.5	27
12	Laboratory testing of a displacement ventilation diffuser for underfloor air distribution systems. *Energy and Buildings*, **2015**, 108, 82-91	7	9
11	Comparative analysis of the AHU InFO fault detection and diagnostic expert tool for AHUs with APAR. *Energy Efficiency*, **2015**, 8, 299-322	3	21
10	Poster Abstract **2015**,		4
9	Lessons Learned from Field Monitoring of Two Radiant Slab Office Buildings in California. *Energy Procedia*, **2015**, 78, 3031-3036	2.3	1
8	Development and alpha testing of a cloud based automated fault detection and diagnosis tool for Air Handling Units. *Automation in Construction*, **2014**, 39, 70-83	9.6	31
7	A review of methods to match building energy simulation models to measured data. *Renewable and Sustainable Energy Reviews*, **2014**, 37, 123-141	16.2	434
6	Effects of furniture and contents on peak cooling load. *Energy and Buildings*, **2014**, 85, 445-457	7	23
5	Review of automated fault detection and diagnostic tools in air handling units. *Energy Efficiency*, **2014**, 7, 335-351	3	44
4	Key factors methodology—A novel support to the decision making process of the building energy manager in defining optimal operation strategies. *Energy and Buildings*, **2012**, 49, 158-163	7	16

3	Performance analysis of an integrated UFAD and radiant hydronic slab system. *Applied Energy*, **2012** , 90, 250-257	10.7	27
2	Calibrating whole building energy models: Detailed case study using hourly measured data. *Energy and Buildings*, **2011**, 43, 3666-3679	7	137
1	Calibrating whole building energy models: An evidence-based methodology. *Energy and Buildings*, **2011**, 43, 2356-2364	7	185