

Stefano Schiavon

List of Publications by Year in Descending Order

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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.

89
papers

3,693
citations

34
h-index

58
g-index

97
ext. papers

4,772
ext. citations

6.1
avg, IF

6.2
L-index

#	Paper	IF	Citations
89	Impacts of life satisfaction, job satisfaction and the Big Five personality traits on satisfaction with the indoor environment. <i>Building and Environment</i> , 2022 , 212, 108783	6.5	2
88	Application of Gagge's energy balance model to determine humidity-dependent temperature thresholds for healthy adults using electric fans during heatwaves. <i>Building and Environment</i> , 2022 , 207, 108437	6.5	1
87	Effects of IAQ on Office Work Performance 2022 , 1-27		
86	Overcooling of offices reveals gender inequity in thermal comfort. <i>Scientific Reports</i> , 2021 , 11, 23684	4.9	1
85	Field evaluation of thermal and acoustical comfort in eight North-American buildings using embedded radiant systems. <i>PLoS ONE</i> , 2021 , 16, e0258888	3.7	
84	Occupant satisfaction with the indoor environment in seven commercial buildings in Singapore. <i>Building and Environment</i> , 2021 , 188, 107443	6.5	15
83	Impact of Cognitive Tasks on CO and Isoprene Emissions from Humans. <i>Environmental Science & Technology</i> , 2021 , 55, 139-148	10.3	5
82	Lessons learned from 20 years of CBE's occupant surveys. <i>Buildings and Cities</i> , 2021 , 2, 166-184	3.3	19
81	Meta-analysis of 35 studies examining the effect of indoor temperature on office work performance. <i>Building and Environment</i> , 2021 , 203, 108037	6.5	9
80	A data-driven analysis of occupant workspace dissatisfaction. <i>Building and Environment</i> , 2021 , 205, 1082705	6.5	3
79	Field investigations of a smiley-face polling station for recording occupant satisfaction with indoor climate. <i>Building and Environment</i> , 2020 , 185, 107266	6.5	12
78	Ten questions concerning well-being in the built environment. <i>Building and Environment</i> , 2020 , 180, 106949	6.5	47
77	Predicted percentage dissatisfied with vertical temperature gradient. <i>Energy and Buildings</i> , 2020 , 220, 110085	7	7
76	The impact of a view from a window on thermal comfort, emotion, and cognitive performance. <i>Building and Environment</i> , 2020 , 175, 106779	6.5	45
75	Improved long-term thermal comfort indices for continuous monitoring. <i>Energy and Buildings</i> , 2020 , 224, 110270	7	13
74	A dimensionality reduction method to select the most representative daylight illuminance distributions. <i>Journal of Building Performance Simulation</i> , 2020 , 13, 122-135	2.8	5
73	Balancing thermal comfort datasets 2020 ,		3

72	Evaluating assumptions of scales for subjective assessment of thermal environments [Do laypersons perceive them the way, we researchers believe?. <i>Energy and Buildings</i> , 2020 , 211, 109761	7	34
71	Comparison of mean radiant and air temperatures in mechanically-conditioned commercial buildings from over 200,000 field and laboratory measurements. <i>Energy and Buildings</i> , 2020 , 206, 109587	7	24
70	Experimental evaluation of visual flicker caused by ceiling fans. <i>Building and Environment</i> , 2020 , 182, 107060	6.5	1
69	CBE Thermal Comfort Tool: Online tool for thermal comfort calculations and visualizations. <i>SoftwareX</i> , 2020 , 12, 100563	2.7	62
68	Evaluation of the effect of landscape distance seen in window views on visual satisfaction. <i>Building and Environment</i> , 2020 , 183, 107160	6.5	14
67	pythermalcomfort: A Python package for thermal comfort research. <i>SoftwareX</i> , 2020 , 12, 100578	2.7	20
66	Targeted occupant surveys: A novel method to effectively relate occupant feedback with environmental conditions. <i>Building and Environment</i> , 2020 , 184, 107129	6.5	6
65	Personal CO cloud: laboratory measurements of metabolic CO inhalation zone concentration and dispersion in a typical office desk setting. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020 , 30, 328-337	6.7	13
64	Size-resolved dynamics of indoor and outdoor fluorescent biological aerosol particles in a bedroom: A one-month case study in Singapore. <i>Indoor Air</i> , 2020 , 30, 942-954	5.4	8
63	Effect of sensor position on the performance of CO ₂ -based demand controlled ventilation. <i>Energy and Buildings</i> , 2019 , 202, 109358	7	12
62	A thermal comfort environmental chamber study of older and younger people. <i>Building and Environment</i> , 2019 , 155, 1-14	6.5	42
61	Ceiling fans: Predicting indoor air speeds based on full scale laboratory measurements. <i>Building and Environment</i> , 2019 , 155, 210-223	6.5	23
60	Analysis of the accuracy on PMV [PPD model using the ASHRAE Global Thermal Comfort Database II. <i>Building and Environment</i> , 2019 , 153, 205-217	6.5	136
59	A review of advanced air distribution methods - theory, practice, limitations and solutions. <i>Energy and Buildings</i> , 2019 , 202, 109359	7	73
58	Personal thermal comfort models with wearable sensors. <i>Building and Environment</i> , 2019 , 162, 106281	6.5	64
57	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. <i>Energy and Buildings</i> , 2019 , 200, 68-85	7	15
56	A data-driven approach to defining acceptable temperature ranges in buildings. <i>Building and Environment</i> , 2019 , 153, 302-312	6.5	20
55	The Scales Project, a cross-national dataset on the interpretation of thermal perception scales. <i>Scientific Data</i> , 2019 , 6, 289	8.2	12

54	Indoor environmental quality and occupant satisfaction in green-certified buildings. <i>Building Research and Information</i> , 2019 , 47, 255-274	4.3	54
53	Coordinate control of air movement for optimal thermal comfort. <i>Science and Technology for the Built Environment</i> , 2018 , 24, 886-896	1.8	8
52	Automated mobile sensing: Towards high-granularity agile indoor environmental quality monitoring. <i>Building and Environment</i> , 2018 , 127, 268-276	6.5	53
51	Personal comfort models – A new paradigm in thermal comfort for occupant-centric environmental control. <i>Building and Environment</i> , 2018 , 132, 114-124	6.5	182
50	Thermal comfort and self-reported productivity in an office with ceiling fans in the tropics. <i>Building and Environment</i> , 2018 , 135, 202-212	6.5	70
49	Full scale laboratory experiment on the cooling capacity of a radiant floor system. <i>Energy and Buildings</i> , 2018 , 170, 134-144	7	22
48	Adaptable cooling coil performance during part loads in the tropics – A computational evaluation. <i>Energy and Buildings</i> , 2018 , 159, 148-163	7	8
47	Development of Whole-Building Energy Models for Detailed Energy Insights of a Large Office Building with Green Certification Rating in Singapore. <i>Energy Technology</i> , 2018 , 6, 84-93	3.5	10
46	Development of the ASHRAE Global Thermal Comfort Database II. <i>Building and Environment</i> , 2018 , 142, 502-512	6.5	164
45	Detailed experimental investigation of air speed field induced by ceiling fans. <i>Building and Environment</i> , 2018 , 142, 342-360	6.5	24
44	Ventilation, thermal and luminous autonomy metrics for an integrated design process. <i>Building and Environment</i> , 2018 , 145, 153-165	6.5	9
43	Side-by-side laboratory comparison of space heat extraction rates and thermal energy use for radiant and all-air systems. <i>Energy and Buildings</i> , 2018 , 176, 139-150	7	23
42	Personal comfort models: Predicting individuals' thermal preference using occupant heating and cooling behavior and machine learning. <i>Building and Environment</i> , 2018 , 129, 96-106	6.5	189
41	Effect of acoustical clouds coverage and air movement on radiant chilled ceiling cooling capacity. <i>Energy and Buildings</i> , 2018 , 158, 939-949	7	9
40	A Bayesian method of evaluating discomfort due to glare: The effect of order bias from a large glare source. <i>Building and Environment</i> , 2018 , 146, 258-267	6.5	7
39	. <i>Proceedings of the IEEE</i> , 2018 , 106, 1680-1699	14.3	31
38	A novel classification scheme for design and control of radiant system based on thermal response time. <i>Energy and Buildings</i> , 2017 , 137, 38-45	7	43
37	Longitudinal assessment of thermal and perceived air quality acceptability in relation to temperature, humidity, and CO ₂ exposure in Singapore. <i>Building and Environment</i> , 2017 , 115, 80-90	6.5	28

36	Cooling capacity and acoustic performance of radiant slab systems with free-hanging acoustical clouds. <i>Energy and Buildings</i> , 2017 , 138, 676-686	7	10
35	Predicted percentage dissatisfied with ankle draft. <i>Indoor Air</i> , 2017 , 27, 852-862	5.4	24
34	A tracking cooling fan using geofence and camera-based indoor localization. <i>Building and Environment</i> , 2017 , 114, 36-44	6.5	22
33	Comparing temperature and acoustic satisfaction in 60 radiant and all-air buildings. <i>Building and Environment</i> , 2017 , 126, 431-441	6.5	30
32	PMV-based event-triggered mechanism for building energy management under uncertainties. <i>Energy and Buildings</i> , 2017 , 152, 73-85	7	48
31	Satisfaction with indoor environmental quality in BREEAM and non-BREEAM certified office buildings. <i>Architectural Science Review</i> , 2017 , 60, 343-355	2.6	26
30	Thermal comfort in buildings using radiant vs. all-air systems: A critical literature review. <i>Building and Environment</i> , 2017 , 111, 123-131	6.5	82
29	Thermal comfort, perceived air quality, and cognitive performance when personally controlled air movement is used by tropically acclimatized persons. <i>Indoor Air</i> , 2017 , 27, 690-702	5.4	72
28	Sensation of draft at uncovered ankles for women exposed to displacement ventilation and underfloor air distribution systems. <i>Building and Environment</i> , 2016 , 96, 228-236	6.5	37
27	New method for the design of radiant floor cooling systems with solar radiation. <i>Energy and Buildings</i> , 2016 , 125, 9-18	7	37
26	Real-time monitoring of personal exposures to carbon dioxide. <i>Building and Environment</i> , 2016 , 104, 59-67	6.5	21
25	Modeling the comfort effects of short-wave solar radiation indoors. <i>Building and Environment</i> , 2015 , 88, 3-9	6.5	74
24	Laboratory testing of a displacement ventilation diffuser for underfloor air distribution systems. <i>Energy and Buildings</i> , 2015 , 108, 82-91	7	9
23	Cooling efficiency of a brushless direct current stand fan. <i>Building and Environment</i> , 2015 , 85, 196-204	6.5	34
22	Chilled ceiling and displacement ventilation system: Laboratory study with high cooling load. <i>Science and Technology for the Built Environment</i> , 2015 , 21, 944-956	1.8	15
21	Energy and cost associated with ventilating office buildings in a tropical climate. <i>PLoS ONE</i> , 2015 , 10, e0122310	3.7	33
20	Influence of factors unrelated to environmental quality on occupant satisfaction in LEED and non-LEED certified buildings. <i>Building and Environment</i> , 2014 , 77, 148-159	6.5	87
19	Experimental comparison of zone cooling load between radiant and air systems. <i>Energy and Buildings</i> , 2014 , 84, 152-159	7	39

18	Stratification prediction model for perimeter zone UFAD diffusers based on laboratory testing with solar simulator. <i>Energy and Buildings</i> , 2014 , 82, 786-794	7	16
17	Influence of Three Dynamic Predictive Clothing Insulation Models on Building Energy Use, HVAC Sizing and Thermal Comfort. <i>Energies</i> , 2014 , 7, 1917-1934	3.1	16
16	Plug load energy analysis: The role of plug loads in LEED certification and energy modeling. <i>Energy and Buildings</i> , 2014 , 76, 328-335	7	10
15	Web application for thermal comfort visualization and calculation according to ASHRAE Standard 55. <i>Building Simulation</i> , 2014 , 7, 321-334	3.9	40
14	Occupant satisfaction in LEED and non-LEED certified buildings. <i>Building and Environment</i> , 2013 , 68, 66-76	6.5	163
13	Cooling load differences between radiant and air systems. <i>Energy and Buildings</i> , 2013 , 65, 310-321	7	70
12	Correlations in thermal comfort and natural wind. <i>Journal of Thermal Biology</i> , 2013 , 38, 419-426	2.9	17
11	Dynamic predictive clothing insulation models based on outdoor air and indoor operative temperatures. <i>Building and Environment</i> , 2013 , 59, 250-260	6.5	127
10	Indoor environmental quality assessment models: A literature review and a proposed weighting and classification scheme. <i>Building and Environment</i> , 2013 , 70, 210-222	6.5	146
9	Quantitative relationships between occupant satisfaction and satisfaction aspects of indoor environmental quality and building design. <i>Indoor Air</i> , 2012 , 22, 119-31	5.4	292
8	Thermal decay in underfloor air distribution (UFAD) systems: Fundamentals and influence on system performance. <i>Applied Energy</i> , 2012 , 91, 197-207	10.7	21
7	Simplified calculation method for design cooling loads in underfloor air distribution (UFAD) systems. <i>Energy and Buildings</i> , 2011 , 43, 517-528	7	50
6	Energy analysis of the personalized ventilation system in hot and humid climates. <i>Energy and Buildings</i> , 2010 , 42, 699-707	7	78
5	Influence of raised floor on zone design cooling load in commercial buildings. <i>Energy and Buildings</i> , 2010 , 42, 1182-1191	7	38
4	Introduction of a Cooling-Fan Efficiency Index. <i>HVAC and R Research</i> , 2009 , 15, 1121-1144		22
3	Energy-saving strategies with personalized ventilation in cold climates. <i>Energy and Buildings</i> , 2009 , 41, 543-550	7	49
2	Energy saving and improved comfort by increased air movement. <i>Energy and Buildings</i> , 2008 , 40, 1954-1960		127
1	A Window View Quality Assessment Framework. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-26	3.5	9

