

Marcel G L C Loomans

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,943
citations

361413

20
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

3342
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical Indicators for Risk of Airborne Transmission in Shared Indoor Environments and Their Application to COVID-19 Outbreaks. <i>Environmental Science & Technology</i> , 2022, 56, 1125-1137.	10.0	109
2	Classrooms' indoor environmental conditions affecting the academic achievement of students and teachers in higher education: A systematic literature review. <i>Indoor Air</i> , 2021, 31, 405-425.	4.3	32
3	A paradigm shift to combat indoor respiratory infection. <i>Science</i> , 2021, 372, 689-691.	12.6	192
4	Investigating the energy flexibility of Dutch office buildings on single building level and building cluster level. <i>Journal of Building Engineering</i> , 2021, 40, 102687.	3.4	10
5	How can airborne transmission of COVID-19 indoors be minimised?. <i>Environment International</i> , 2020, 142, 105832.	10.0	933
6	Experimental investigation into cleanroom contamination build-up when applying reduced ventilation and pressure hierarchy conditions as part of demand controlled filtration. <i>Building and Environment</i> , 2020, 176, 106861.	6.9	18
7	Long-term monitoring for indoor climate assessment – The association between objective and subjective data. <i>Building and Environment</i> , 2020, 179, 106978.	6.9	6
8	Energy demand reduction in pharmaceutical cleanrooms through optimization of ventilation. <i>Energy and Buildings</i> , 2019, 202, 109346.	6.7	36
9	Actimetry for Estimating Occupant Activity Levels in Buildings: A Step Toward Optimal and Energy-Efficient Indoor Conditioning. <i>IEEE Consumer Electronics Magazine</i> , 2019, 8, 67-71.	2.3	5
10	Window/door opening-mediated bedroom ventilation and its impact on sleep quality of healthy, young adults. <i>Indoor Air</i> , 2018, 28, 339-351.	4.3	59
11	Occupant response to transitions across indoor thermal environments in two different workspaces. <i>Building and Environment</i> , 2018, 144, 402-411.	6.9	18
12	Understanding thermal comfort perception of nurses in a hospital ward work environment. <i>Building and Environment</i> , 2018, 140, 119-127.	6.9	45
13	A systematic approach to assessing indoor air quality of long term care facilities. <i>Gerontechnology</i> , 2018, 16, 224-238.	0.1	0
14	Analysing thermal comfort perception of students through the class hour, during heating season, in a university classroom. <i>Building and Environment</i> , 2017, 125, 464-474.	6.9	52
15	Alternative ventilation system for operating theaters: Parameter study and full-scale assessment of the performance of a local ventilation system. <i>Building and Environment</i> , 2016, 102, 26-38.	6.9	11
16	Thermal comfort of heterogeneous and dynamic indoor conditions – An overview. <i>Building and Environment</i> , 2016, 109, 82-100.	6.9	96
17	Development of thermal discernment among visitors: Results from a field study in the Hermitage Amsterdam. <i>Building and Environment</i> , 2016, 105, 40-49.	6.9	20
18	Fire safety assessment of semi-open car parks based on validated CFD simulations. <i>Building Simulation</i> , 2013, 6, 385-394.	5.6	14

#	ARTICLE	IF	CITATIONS
19	Personal control over temperature in winter in Dutch office buildings. HVAC and R Research, 2013, 19, 1033-1050.	0.6	12
20	Impact of available and perceived control on comfort and health in European offices. Architectural Science Review, 2013, 56, 30-41.	2.2	64
21	Effects of different cooling principles on thermal sensation and physiological responses. Energy and Buildings, 2013, 62, 116-125.	6.7	37
22	The use of a thermophysiological model in the built environment to predict thermal sensation. Building and Environment, 2013, 59, 10-22.	6.9	95
23	The influence of different cooling techniques and gender on thermal perception. Building Research and Information, 2013, 41, 330-341.	3.9	25
24	The influence of local effects on thermal sensation under non-uniform environmental conditions "Gender differences in thermophysiology, thermal comfort and productivity during convective and radiant cooling. Physiology and Behavior, 2012, 107, 252-261.	2.1	151
25	Testing the effectiveness of operating room ventilation with regard to removal of airborne bacteria. Building and Environment, 2011, 46, 2570-2577.	6.9	20
26	Modelling and simulation of a jet fan for controlled air flow in large enclosures. Environmental Modelling and Software, 2011, 26, 191-200.	4.5	34
27	On the applicability of the laminar flow index when selecting surgical lighting. Building and Environment, 2010, 45, 1976-1983.	6.9	32
28	Differences between young adults and elderly in thermal comfort, productivity, and thermal physiology in response to a moderate temperature drift and a steady-state condition. Indoor Air, 2010, 20, 273-283.	4.3	257
29	User behavior in whole building simulation. Energy and Buildings, 2009, 41, 295-302.	6.7	471
30	Selecting an appropriate tool for airflow simulation in buildings. Building Services Engineering Research and Technology, 2004, 25, 269-278.	1.8	7
31	Simulation and measurement of the stationary and transient characteristics of the hot sphere anemometer. Building and Environment, 2002, 37, 153-163.	6.9	6
32	Application of the genetic algorithm for optimisation of large solar hot water systems. Solar Energy, 2002, 72, 427-439.	6.1	42