Marcel G L C Loomans

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7218835/publications.pdf

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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	How can airborne transmission of COVID-19 indoors be minimised?. Environment International, 2020, 142, 105832.	10.0	933
2	User behavior in whole building simulation. Energy and Buildings, 2009, 41, 295-302.	6.7	471
3	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
4	A paradigm shift to combat indoor respiratory infection. Science, 2021, 372, 689-691.	12.6	192
5	The influence of local effects on thermal sensation under non-uniform environmental conditions â€" Gender differences in thermophysiology, thermal comfort and productivity during convective and radiant cooling. Physiology and Behavior, 2012, 107, 252-261.	2.1	151
6	Practical Indicators for Risk of Airborne Transmission in Shared Indoor Environments and Their Application to COVID-19 Outbreaks. Environmental Science & Technology, 2022, 56, 1125-1137.	10.0	109
7	Thermal comfort of heterogeneous and dynamic indoor conditionsÂâ€"ÂAn overview. Building and Environment, 2016, 109, 82-100.	6.9	96
8	The use of a thermophysiological model in the built environment to predict thermal sensation. Building and Environment, 2013, 59, 10-22.	6.9	95
9	Impact of available and perceived control on comfort and health in European offices. Architectural Science Review, 2013, 56, 30-41.	2.2	64
10	Window/door opening-mediated bedroom ventilation and its impact on sleep quality of healthy, young adults. Indoor Air, 2018, 28, 339-351.	4.3	59
11	Analysing thermal comfort perception of students through the class hour, during heating season, in a university classroom. Building and Environment, 2017, 125, 464-474.	6.9	52
12	Understanding thermal comfort perception of nurses in a hospital ward work environment. Building and Environment, 2018, 140, 119-127.	6.9	45
13	Application of the genetic algorithm for optimisation of large solar hot water systems. Solar Energy, 2002, 72, 427-439.	6.1	42
14	Effects of different cooling principles on thermal sensation and physiological responses. Energy and Buildings, 2013, 62, 116-125.	6.7	37
15	Energy demand reduction in pharmaceutical cleanrooms through optimization of ventilation. Energy and Buildings, 2019, 202, 109346.	6.7	36
16	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
17	On the applicability of the laminar flow index when selecting surgical lighting. Building and Environment, 2010, 45, 1976-1983.	6.9	32
18	Classrooms' indoor environmental conditions affecting the academic achievement of students and teachers in higher education: A systematic literature review. Indoor Air, 2021, 31, 405-425.	4.3	32

#	Article	IF	Citations
19	The influence of different cooling techniques and gender on thermal perception. Building Research and Information, 2013, 41, 330-341.	3.9	25
20	Testing the effectiveness of operating room ventilation with regard to removal of airborne bacteria. Building and Environment, 2011, 46, 2570-2577.	6.9	20
21	Development of thermal discernment among visitors: Results from a field study in the Hermitage Amsterdam. Building and Environment, 2016, 105, 40-49.	6.9	20
22	Occupant response to transitions across indoor thermal environments in two different workspaces. Building and Environment, 2018, 144, 402-411.	6.9	18
23	Experimental investigation into cleanroom contamination build-up when applying reduced ventilation and pressure hierarchy conditions as part of demand controlled filtration. Building and Environment, 2020, 176, 106861.	6.9	18
24	Fire safety assessment of semi-open car parks based on validated CFD simulations. Building Simulation, 2013, 6, 385-394.	5.6	14
25	Personal control over temperature in winter in Dutch office buildings. HVAC and R Research, 2013, 19, 1033-1050.	0.6	12
26	Alternative ventilation system for operating theaters: Parameter study and full-scale assessment of the performance of a local ventilation system. Building and Environment, 2016, 102, 26-38.	6.9	11
27	Investigating the energy flexibility of Dutch office buildings on single building level and building cluster level. Journal of Building Engineering, 2021, 40, 102687.	3.4	10
28	Selecting an appropriate tool for airflow simulation in buildings. Building Services Engineering Research and Technology, 2004, 25, 269-278.	1.8	7
29	Simulation and measurement of the stationary and transient characteristics of the hot sphere anemometer. Building and Environment, 2002, 37, 153-163.	6.9	6
30	Long-term monitoring for indoor climate assessment â€“ The association between objective and subjective data. Building and Environment, 2020, 179, 106978.	6.9	6
31	Actimetry for Estimating Occupant Activity Levels in Buildings: A Step Toward Optimal and Energy-Efficient Indoor Conditioning. IEEE Consumer Electronics Magazine, 2019, 8, 67-71.	2.3	5
32	A systematic approach to assessing indoor air quality of long term care facilities. Gerontechnology, 2018, 16, 224-238.	0.1	0