

# Marco-Felipe King

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/961974/publications.pdf>

Version: 2024-02-01

35  
papers

822  
citations

516215

16  
h-index

525886

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioaerosol deposition in single and two-bed hospital rooms: A numerical and experimental study. <i>Building and Environment</i> , 2013, 59, 436-447.	3.0	79
2	Exploring the physiological, neurophysiological and cognitive performance effects of elevated carbon dioxide concentrations indoors. <i>Building and Environment</i> , 2019, 156, 243-252.	3.0	72
3	Investigating the influence of neighbouring structures on natural ventilation potential of a full-scale cubical building using time-dependent CFD. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2017, 169, 265-279.	1.7	67
4	Modeling environmental contamination in hospital single- and four-bed rooms. <i>Indoor Air</i> , 2015, 25, 694-707.	2.0	61
5	Field measurement of natural ventilation rate in an idealised full-scale building located in a staggered urban array: Comparison between tracer gas and pressure-based methods. <i>Building and Environment</i> , 2018, 137, 246-256.	3.0	59
6	Modelling urban airflow and natural ventilation using a GPU-based lattice-Boltzmann method. <i>Building and Environment</i> , 2017, 125, 273-284.	3.0	56
7	The ventilation of buildings and other mitigating measures for COVID-19: a focus on wintertime. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20200855.	1.0	47
8	COVID-19 and use of non-traditional masks: how do various materials compare in reducing the risk of infection for mask wearers?. <i>Journal of Hospital Infection</i> , 2020, 105, 640-642.	1.4	42
9	What is the relationship between indoor air quality parameters and airborne microorganisms in hospital environments? A systematic review and meta-analysis. <i>Indoor Air</i> , 2021, 31, 1308-1322.	2.0	26
10	Is there an association between airborne and surface microbes in the critical care environment?. <i>Journal of Hospital Infection</i> , 2018, 100, e123-e129.	1.4	25
11	Bacterial transfer to fingertips during sequential surface contacts with and without gloves. <i>Indoor Air</i> , 2020, 30, 993-1004.	2.0	25
12	Evaluating single-sided natural ventilation models against full-scale idealised measurements: Impact of wind direction and turbulence. <i>Building and Environment</i> , 2020, 170, 106556.	3.0	24
13	Influence of neighbouring structures on building façade pressures: Comparison between full-scale, wind-tunnel, CFD and practitioner guidelines. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 189, 22-33.	1.7	23
14	Pilot-scale biofiltration at a materials recovery facility: The impact on bioaerosol control. <i>Waste Management</i> , 2018, 80, 154-167.	3.7	20
15	Evaluating a transfer gradient assumption in a fomite-mediated microbial transmission model using an experimental and Bayesian approach. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200121.	1.5	20
16	Modeling the factors that influence exposure to SARS-CoV-2 on a subway train carriage. <i>Indoor Air</i> , 2022, 32, e12976.	2.0	19
17	A Multicompartment SIS Stochastic Model with Zonal Ventilation for the Spread of Nosocomial Infections: Detection, Outbreak Management, and Infection Control. <i>Risk Analysis</i> , 2019, 39, 1825-1842.	1.5	17
18	Systematic review on use, cost and clinical efficacy of automated decontamination devices. <i>Antimicrobial Resistance and Infection Control</i> , 2021, 10, 34.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Frequency of hand-to-head, -mouth, -eyes, and -nose contacts for adults and children during eating and non-eating macro-activities. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 34-44.	1.8	16
20	Relationship between healthcare worker surface contacts, care type and hand hygiene: an observational study in a single-bed hospital ward. <i>Journal of Hospital Infection</i> , 2016, 94, 48-51.	1.4	15
21	Influence of ventilation use and occupant behaviour on surface microorganisms in contemporary social housing. <i>Scientific Reports</i> , 2020, 10, 11841.	1.6	13
22	Modeling fomite-mediated SARS-CoV-2 exposure through personal protective equipment doffing in a hospital environment. <i>Indoor Air</i> , 2022, 32, .	2.0	10
23	Why is mock care not a good proxy for predicting hand contamination during patient care?. <i>Journal of Hospital Infection</i> , 2021, 109, 44-51.	1.4	8
24	Healthcare-acquired clusters of COVID-19 across multiple wards in a Scottish health board. <i>Journal of Hospital Infection</i> , 2022, 120, 23-30.	1.4	8
25	Isolating infectious patients: organizational, clinical, and ethical issues. <i>American Journal of Infection Control</i> , 2018, 46, e65-e69.	1.1	7
26	Assessment of Overheating Risk in Gynaecology Scanning Rooms during Near-Heatwave Conditions: A Case Study of the Royal Berkshire Hospital in the UK. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3347.	1.2	7
27	An Effective Surrogate Tracer Technique for <i>S. aureus</i> Bioaerosols in a Mechanically Ventilated Hospital Room Replica Using Dilute Aqueous Lithium Chloride. <i>Atmosphere</i> , 2017, 8, 238.	1.0	6
28	Effect of Relative Humidity on Transfer of Aerosol-Deposited Artificial and Human Saliva from Surfaces to Artificial Finger-Pads. <i>Viruses</i> , 2022, 14, 1048.	1.5	6
29	Novel technology for door handle design. <i>Journal of Hospital Infection</i> , 2017, 97, 433-434.	1.4	5
30	Effects of patient room layout on viral accrue ment on healthcare professionals' hands. <i>Indoor Air</i> , 2021, 31, 1657-1672.	2.0	5
31	Computational fluid dynamic enabled design optimisation of miniaturised continuous oscillatory baffled reactors in chemical processing. <i>International Journal of Computational Fluid Dynamics</i> , 2019, 33, 317-331.	0.5	4
32	Comparing approaches for modelling indirect contact transmission of infectious diseases. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210281.	1.5	3
33	Interventions to prevent surface transmission of an infectious virus based on real human touch behavior: a case study of the norovirus. <i>International Journal of Infectious Diseases</i> , 2022, 122, 83-92.	1.5	2
34	Respirators, face masks, and their risk reductions via multiple transmission routes for first responders within an ambulance. <i>Journal of Occupational and Environmental Hygiene</i> , 2021, 18, 345-360.	0.4	1
35	Integrating CFD and exposure modeling for estimating viral exposures at the air-surface interface. , 2021, , .		0