

Arsen K Melikov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7276622/publications.pdf>

Version: 2024-02-01

47
papers

3,721
citations

186265

28
h-index

223800

46
g-index

47
all docs

47
docs citations

47
times ranked

2845
citing authors

#	ARTICLE	IF	CITATIONS
1	Infection probability under different air distribution patterns. Building and Environment, 2022, 207, 108555.	6.9	35
2	Towards enabling accurate measurements of CO2 exposure indoors. Building and Environment, 2022, 213, 108883.	6.9	11
3	The influence of heat source distribution on the space cooling load oriented to local thermal requirements. Indoor and Built Environment, 2021, 30, 264-277.	2.8	4
4	The Energy-Saving Potential of Chilled Ceilings Combined with Personalized Ventilation. Energies, 2021, 14, 1133.	3.1	3
5	Add-on local sweating simulation system for a dry thermal manikin. Science and Technology for the Built Environment, 2021, 27, 971-985.	1.7	2
6	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). Journal of Hospital Infection, 2021, 110, 89-96.	2.9	264
7	Experimental comparison of thermal conditions in office rooms: Diffuse ceiling ventilation, chilled beam system, and chilled ceiling combined with mixing ventilation. Science and Technology for the Built Environment, 2020, 26, 631-642.	1.7	7
8	Intermittent occupancy combined with ventilation: An efficient strategy for the reduction of airborne transmission indoors. Science of the Total Environment, 2020, 744, 140908.	8.0	60
9	COVID-19: Reduction of airborne transmission needs paradigm shift in ventilation. Building and Environment, 2020, 186, 107336.	6.9	73
10	How can airborne transmission of COVID-19 indoors be minimised?. Environment International, 2020, 142, 105832.	10.0	933
11	A reliable method for the assessment of occupants' exposure to CO2. Measurement: Journal of the International Measurement Confederation, 2020, 163, 108063.	5.0	6
12	Airborne transmission of exhaled droplet nuclei between occupants in a room with horizontal air distribution. Building and Environment, 2019, 163, 106328.	6.9	38
13	Influence of pulmonary ventilation rate and breathing cycle period on the risk of cross-infection. Indoor Air, 2019, 29, 993-1004.	4.3	43
14	Airborne transmission during short-term events under stratum ventilation. E3S Web of Conferences, 2019, 111, 01098.	0.5	0
15	Characteristics of airborne transmission under stratum ventilation. E3S Web of Conferences, 2019, 111, 02019.	0.5	1
16	Airborne transmission between room occupants during short-term events: Measurement and evaluation. Indoor Air, 2019, 29, 563-576.	4.3	35
17	Accurate assessment of exposure using tracer gas measurements. Building and Environment, 2018, 131, 163-173.	6.9	21
18	Airborne spread of expiratory droplet nuclei between the occupants of indoor environments: A review. Indoor Air, 2018, 28, 500-524.	4.3	193

#	ARTICLE	IF	CITATIONS
19	The effects of mixing air distribution and heat load arrangement on the performance of ceiling radiant panels under cooling mode of operation. <i>Science and Technology for the Built Environment</i> , 2017, 23, 1090-1104.	1.7	7
20	Effect of airflow interaction in the breathing zone on exposure to bio-effluents. <i>Building and Environment</i> , 2017, 125, 216-226.	6.9	33
21	Advanced air distribution: improving health and comfort while reducing energy use. <i>Indoor Air</i> , 2016, 26, 112-124.	4.3	121
22	Particle deposition in a realistic geometry of the human conducting airways: Effects of inlet velocity profile, inhalation flowrate and electrostatic charge. <i>Journal of Biomechanics</i> , 2016, 49, 2201-2212.	2.1	117
23	Human body micro-environment: The benefits of controlling airflow interaction. <i>Building and Environment</i> , 2015, 91, 70-77.	6.9	88
24	Wearable personal exhaust ventilation: Improved indoor air quality and reduced exposure to air exhaled from a sick doctor. <i>Science and Technology for the Built Environment</i> , 2015, 21, 1117-1125.	1.7	28
25	Transport of gaseous pollutants by convective boundary layer around a human body. <i>Science and Technology for the Built Environment</i> , 2015, 21, 1175-1186.	1.7	26
26	Thermal environment and air quality in office with personalized ventilation combined with chilled ceiling. <i>Building and Environment</i> , 2015, 92, 603-614.	6.9	76
27	Air temperature investigation in microenvironment around a human body. <i>Building and Environment</i> , 2015, 92, 39-47.	6.9	21
28	Experimental investigation of the human convective boundary layer in a quiescent indoor environment. <i>Building and Environment</i> , 2014, 75, 79-91.	6.9	123
29	Improved inhaled air quality at reduced ventilation rate by control of airflow interaction at the breathing zone with lobed jets. <i>HVAC and R Research</i> , 2014, 20, 238-250.	0.6	17
30	Use of personalized ventilation for improving health, comfort, and performance at high room temperature and humidity. <i>Indoor Air</i> , 2013, 23, 250-263.	4.3	90
31	Advanced air distribution for minimizing airborne cross-infection in aircraft cabins. <i>HVAC and R Research</i> , 2013, 19, 926-933.	0.6	32
32	Human response to local convective and radiant cooling in a warm environment. <i>HVAC and R Research</i> , 2013, 19, 1023-1032.	0.6	39
33	Impact of personal factors and furniture arrangement on the thermal plume above a sitting occupant. <i>Building and Environment</i> , 2012, 49, 104-116.	6.9	64
34	Performance of ductless personalized ventilation in conjunction with displacement ventilation: Impact of disturbances due to walking person(s). <i>Building and Environment</i> , 2010, 45, 427-436.	6.9	50
35	Control of the Free Convective Flow around the Human Body for Enhanced Inhaled Air Quality: Application to a Seat-Incorporated Personalized Ventilation Unit. <i>HVAC and R Research</i> , 2010, 16, 161-188.	0.6	31
36	Introduction of a Cooling-Fan Efficiency Index. <i>HVAC and R Research</i> , 2009, 15, 1121-1144.	0.6	26

#	ARTICLE	IF	CITATIONS
37	Personal Exposure Between People in a Room Ventilated by Textile Terminals with and without Personalized Ventilation. HVAC and R Research, 2007, 13, 635-643.	0.6	47
38	Protection of Occupants from Exhaled Infectious Agents and Floor Material Emissions in Rooms with Personalized and Underfloor Ventilation. HVAC and R Research, 2007, 13, 23-38.	0.6	75
39	Assessment of Uncertainty in Measurements with Low Velocity Thermal Anemometers. International Journal of Ventilation, 2007, 6, 113-128.	0.4	11
40	Human Response to an Individually Controlled Microenvironment. HVAC and R Research, 2007, 13, 645-660.	0.6	64
41	Air Quality and Thermal Comfort in an Office with Underfloor, Mixing and Displacement Ventilation. International Journal of Ventilation, 2006, 5, 323-352.	0.4	22
42	Performance of Personalized Ventilation in Conjunction with Mixing and Displacement Ventilation. HVAC and R Research, 2006, 12, 295-311.	0.6	107
43	A visual description of the convective flow field around the head of a human. Journal of Visualization, 2005, 8, 23-31.	1.8	15
44	Personalized ventilation. Indoor Air, 2004, 14, 157-167.	4.3	315
45	Breathing thermal manikins for indoor environment assessment: important characteristics and requirements. European Journal of Applied Physiology, 2004, 92, 710-713.	2.5	64
46	Human Response to Air Movement Evaluation of ASHRAE's Draft Criteria (RP-843). HVAC and R Research, 2003, 9, 187-202.	0.6	25
47	Personalized ventilation: evaluation of different air terminal devices. Energy and Buildings, 2002, 34, 829-836.	6.7	258