Sau Chung Fu

List of Publications by Year
in descending order

25 papers	449 citations	1039880 9 h-index	713332 21 g-index
25 all docs	25 docs citations	25 times ranked	604 citing authors

#	Article	IF	Citations
1	Energy consumption modelling of a passive hybrid system for office buildings in different climates. Energy, 2022, 239, 121914.	4.5	14
2	Experimental study on the thermal-hydraulic performance of a fluttering split flag in a channel flow. International Journal of Heat and Mass Transfer, 2022, 182, 121945.	2.5	4
3	The use of acoustic streaming in Sub-micron particle sorting. Aerosol Science and Technology, 2022, 56, 247-260.	1.5	2
4	Airborne infection risk of nearby passengers in a cabin environment and implications for infection control. Travel Medicine and Infectious Disease, 2022, 47, 102285.	1.5	5
5	Infection control measures for public transportation derived from the flow dynamics of obstructed cough jet. Journal of Aerosol Science, 2022, 163, 105995.	1.8	0
6	The effect of head orientation and personalized ventilation on bioaerosol deposition from a cough. Indoor Air, 2022, 32, .	2.0	3
7	Experimental and numerical study of heat transfer performance of a channel flow with an inverted flag. International Journal of Heat and Mass Transfer, 2022, 193, 122969.	2.5	2
8	Copper-alumina hybrid nanofluid droplet phase change dynamics over heated plain copper and porous residue surfaces. International Journal of Thermal Sciences, 2022, 182, 107795.	2.6	0
9	Performance of airflow distance from personalized ventilation on personal exposure to airborne droplets from different orientations. Indoor and Built Environment, 2021, 30, 1643-1653.	1.5	13
10	Short-range bioaerosol deposition and inhalation of cough droplets and performance of personalized ventilation. Aerosol Science and Technology, 2021, 55, 474-485.	1.5	19
11	Respiratory bioaerosol deposition from a cough and recovery of viable viruses on nearby seats in a cabin environment. Indoor Air, 2021, 31, 1913-1925.	2.0	10
12	Experimental study of particle deposition on patterned microstructured surfaces in a chamber environment. Journal of Aerosol Science, 2021, 157, 105802.	1.8	7
13	Boosting power output of flutter-driven triboelectric nanogenerator by flexible flagpole. Nano Energy, 2021, 88, 106284.	8.2	24
14	Droplet Evaporation of Cuâ€“Al2O3 Hybrid Nanofluid Over Its Residue and Copper Surfaces: Toward Developing a New Analytical Model. Journal of Heat Transfer, 2021, 143, .	1.2	3
15	Enhancement of submicron particle deposition on a semi-circular surface in turbulent flow. Indoor and Built Environment, 2020, 29, 101-116.	1.5	9
16	Droplet detachment behavior from a rough hydrophilic surface. Journal of Aerosol Science, 2020, 139, 105469.	1.8	5
17	Bio-inspired patterned surface for submicron particle deposition in a fully developed turbulent duct. Building Simulation, 2020, 13, 1111-1123.	3.0	2
18	Investigation of particle deposition on a micropatterned surface as an energy-efficient air cleaning technique in ventilation ducting systems. Aerosol Science and Technology, 2020, 54, 1210-1222.	1.5	5

#	Article	IF	Citations
19	Study of particle resuspension from dusty surfaces using a centrifugal method. Indoor Air, 2019, 29, 791-802.	2.0	6
20	Ultrafine particle emissions from a smouldering cigarette in a residence and its associated lung cancer risk. Indoor and Built Environment, 2019, 28, 1396-1405.	1.5	3
21	Influence of sinusoidal airflow and airflow distance on human thermal response to a personalized ventilation system. Indoor and Built Environment, 2018, 27, 317-330.	1.5	3
22	Differential gene expression in Escherichia coli during aerosolization from liquid suspension. Applied Microbiology and Biotechnology, 2018, 102, 6257-6267.	1.7	20
23	The effect of aerosol size distribution and concentration on the removal efficiency of an acoustic aerosol removal system. Journal of Aerosol Science, 2017, 104, 79-89.	1.8	19
24	Evaporation of Al ₂ O ₃ -water nanofluids in an externally micro-grooved evaporator. Science and Technology for the Built Environment, 2017, 23, 345-354.	0.8	15
25	Airborne particles in indoor environment of homes, schools, offices and aged care facilities: The main routes of exposure. Environment International, 2017, 108, 75-83.	4.8	256