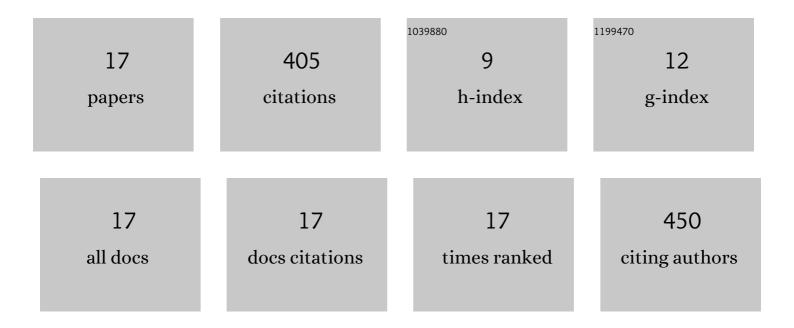
Khaled Talaat

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Numerical investigation of aerosol transport in a classroom with relevance to COVID-19. Physics of Fluids, 2020, 32, 103311.	1.6	172
2	Simulation of aerosol transmission on a Boeing 737 airplane with intervention measures for COVID-19 mitigation. Physics of Fluids, 2021, 33, 033312.	1.6	71
3	Computational modeling of aerosol transport, dispersion, and deposition in rhythmically expanding and contracting terminal alveoli. Journal of Aerosol Science, 2017, 112, 19-33.	1.8	36
4	Numerical study of dynamic glottis and tidal breathing on respiratory sounds in a human upper airway model. Sleep and Breathing, 2018, 22, 463-479.	0.9	22
5	Radiation Dosimetry of Inhaled Radioactive Aerosols: CFPD and MCNP Transport Simulations of Radionuclides in the Lung. Scientific Reports, 2019, 9, 17450.	1.6	22
6	Visualization of local deposition of nebulized aerosols in a human upper respiratory tract model. Journal of Visualization, 2018, 21, 225-237.	1.1	20
7	A low-power IoT framework: From sensors to the cloud. , 2016, , .		15
8	Thermal conductivity of silicon using reverse non-equilibrium molecular dynamics. Journal of Applied Physics, 2018, 123, .	1.1	12
9	Deposition of bolus and continuously inhaled aerosols in rhythmically moving terminal alveoli. Journal of Computational Multiphase Flows, 2018, 10, 178-193.	0.8	11
10	Airflow and Particle Deposition in Acinar Models with Interalveolar Septal Walls and Different Alveolar Numbers. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-18.	0.7	9
11	A four-layer wireless sensor network framework for IoT applications. , 2016, , .		7
12	A comparison of CFPD, compartment, and uniform distribution models for radiation dosimetry of radionuclides in the lung. Journal of Radiological Protection, 2021, 41, .	0.6	3
13	Design of specimen holders for flow accelerated corrosion experiments in molten lead with numerical evaluation of pressure losses. Nuclear Engineering and Design, 2021, 385, 111522.	0.8	3
14	Extrapolation of thermal conductivity in non-equilibrium molecular dynamics simulations to bulk scale. International Communications in Heat and Mass Transfer, 2020, 118, 104880.	2.9	2
15	Method of information entropy for convergence assessment of molecular dynamics simulations. Journal of Applied Physics, 2020, 128, 135102.	1.1	0
16	Leveraging Neutronics to Monitor Mass Transfer Corrosion in Lead and Lead-Bismuth Cooled Reactors. Jom, 2021, 73, 4051-4061.	0.9	0
17	Lagrangian Investigation of Convective Mass Transfer of Dissolved Elements at Specimen Boundaries in a Flowing Molten Lead Loop. Nuclear Science and Engineering, 2022, 196, 1209-1223.	0.5	0