

Khaled Talaat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3256271/publications.pdf>

Version: 2024-02-01

17
papers

405
citations

1039880

9
h-index

1199470

12
g-index

17
all docs

17
docs citations

17
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of aerosol transport in a classroom with relevance to COVID-19. <i>Physics of Fluids</i> , 2020, 32, 103311.	1.6	172
2	Simulation of aerosol transmission on a Boeing 737 airplane with intervention measures for COVID-19 mitigation. <i>Physics of Fluids</i> , 2021, 33, 033312.	1.6	71
3	Computational modeling of aerosol transport, dispersion, and deposition in rhythmically expanding and contracting terminal alveoli. <i>Journal of Aerosol Science</i> , 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. <i>Sleep and Breathing</i> , 2018, 22, 463-479.	0.9	22
5	Radiation Dosimetry of Inhaled Radioactive Aerosols: CFPD and MCNP Transport Simulations of Radionuclides in the Lung. <i>Scientific Reports</i> , 2019, 9, 17450.	1.6	22
6	Visualization of local deposition of nebulized aerosols in a human upper respiratory tract model. <i>Journal of Visualization</i> , 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. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	12
9	Deposition of bolus and continuously inhaled aerosols in rhythmically moving terminal alveoli. <i>Journal of Computational Multiphase Flows</i> , 2018, 10, 178-193.	0.8	11
10	Airflow and Particle Deposition in Acinar Models with Inter-alveolar Septal Walls and Different Alveolar Numbers. <i>Computational and Mathematical Methods in Medicine</i> , 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. <i>Journal of Radiological Protection</i> , 2021, 41, .	0.6	3
13	Design of specimen holders for flow accelerated corrosion experiments in molten lead with numerical evaluation of pressure losses. <i>Nuclear Engineering and Design</i> , 2021, 385, 111522.	0.8	3
14	Extrapolation of thermal conductivity in non-equilibrium molecular dynamics simulations to bulk scale. <i>International Communications in Heat and Mass Transfer</i> , 2020, 118, 104880.	2.9	2
15	Method of information entropy for convergence assessment of molecular dynamics simulations. <i>Journal of Applied Physics</i> , 2020, 128, 135102.	1.1	0
16	Leveraging Neutronics to Monitor Mass Transfer Corrosion in Lead and Lead-Bismuth Cooled Reactors. <i>Jom</i> , 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. <i>Nuclear Science and Engineering</i> , 2022, 196, 1209-1223.	0.5	0