

# Lin Tian

## List of Publications by Year in descending order

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45  
papers

979  
citations

566801

15  
h-index

454577

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfiber transport characterization in human nasal cavity – Effect of fiber length. <i>Journal of Aerosol Science</i> , 2022, 160, 105908.	1.8	3
2	Detailed comparison of anatomy and airflow dynamics in human and cynomolgus monkey nasal cavity. <i>Computers in Biology and Medicine</i> , 2022, 141, 105150.	3.9	6
3	Uniqueness of inspiratory airflow patterns in a realistic rat nasal cavity. <i>Computers in Biology and Medicine</i> , 2022, 141, 105129.	3.9	1
4	An improved numerical model for epidemic transmission and infection risks assessment in indoor environment. <i>Journal of Aerosol Science</i> , 2022, 162, 105943.	1.8	18
5	Detailed Assessment of Nasal Inter-Chamber Anatomical Variations and Its Effect on Flow Apportionment and Inhalation Exposure Patterns. <i>Fluids</i> , 2022, 7, 89.	0.8	1
6	Numerical comparison of inspiratory airflow patterns in human nasal cavities with distinct age differences. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2022, 38, e3565.	1.0	5
7	Interspecies comparison of heat and mass transfer characteristics in monkey and human nasal cavities. <i>Computers in Biology and Medicine</i> , 2022, 147, 105676.	3.9	2
8	Thermal performance optimization of a semi-nested building coupled with an earth-to-air heat exchanger using iterative Taguchi method. <i>Renewable Energy</i> , 2022, 195, 1275-1290.	4.3	3
9	Computational modeling of fiber transport in human respiratory airways – A review. <i>Experimental and Computational Multiphase Flow</i> , 2021, 3, 1-20.	1.9	7
10	Numerical analysis of nanoparticle transport and deposition in a cynomolgus monkey nasal passage. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3414.	1.0	5
11	Transport and deposition of ultrafine particles in the upper tracheobronchial tree: a comparative study between approximate and realistic respiratory tract models. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 1125-1135.	0.9	6
12	Quantification of long-term accumulation of inhaled ultrafine particles via human olfactory-brain pathway due to environmental emissions – a pilot study. <i>NanoImpact</i> , 2021, 22, 100322.	2.4	11
13	Design Optimization of a Passive Building with Green Roof through Machine Learning and Group Intelligent Algorithm. <i>Buildings</i> , 2021, 11, 192.	1.4	13
14	Numerical and Experimental Analysis of Inhalation Airflow Dynamics in a Human Pharyngeal Airway. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1556.	1.2	7
15	A Combined Computational and Experimental Study on Nanoparticle Transport and Partitioning in the Human Trachea and Upper Bronchial Airways. <i>Aerosol and Air Quality Research</i> , 2020, 20, 2404-2418.	0.9	5
16	Inhalation Exposure Analysis of Lung-Inhalable Particles in an Approximate Rat Central Airway. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2571.	1.2	3
17	Detailed computational analysis of flow dynamics in an extended respiratory airway model. <i>Clinical Biomechanics</i> , 2019, 61, 105-111.	0.5	40
18	Fate of the inhaled smoke particles from fire scenes in the nasal airway of a realistic firefighter: A simulation study. <i>Journal of Occupational and Environmental Hygiene</i> , 2019, 16, 273-285.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Correlation of regional deposition dosage for inhaled nanoparticles in human and rat olfactory. <i>Particle and Fibre Toxicology</i> , 2019, 16, 6.	2.8	49
20	Ultrafine particle deposition in a realistic human airway at multiple inhalation scenarios. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 35, e3215.	1.0	31
21	Visualization of periodic emission of drops with micro-dripping mode in electrohydrodynamic (EHD) atomization. <i>Experimental Thermal and Fluid Science</i> , 2019, 105, 307-315.	1.5	27
22	Numerical assessment of respiratory airway exposure risks to diesel exhaust particles. <i>Experimental and Computational Multiphase Flow</i> , 2019, 1, 51-59.	1.9	14
23	Numerical analyses of sulfur dioxide transport by an atmospheric circulating drop. <i>Atmospheric Pollution Research</i> , 2019, 10, 759-767.	1.8	5
24	Inhalation Health Risk Assessment for the Human Tracheobronchial Tree under PM Exposure in a Bus Stop Scene. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1365-1376.	0.9	16
25	Detailed deposition analysis of inertial and diffusive particles in a rat nasal passage. <i>Inhalation Toxicology</i> , 2018, 30, 29-39.	0.8	12
26	Natural periodicity of electrohydrodynamic spraying in ethanol. <i>Journal of Aerosol Science</i> , 2018, 117, 127-138.	1.8	39
27	Effect of morphology on nanoparticle transport and deposition in human upper tracheobronchial airways. <i>Journal of Computational Multiphase Flows</i> , 2018, 10, 83-96.	0.8	4
28	Numerical study on coalescence behavior of suspended drop pair in viscous liquid under uniform electric field. <i>AIP Advances</i> , 2018, 8, 085215.	0.6	15
29	A numerical study on firefighter nasal airway dosimetry of smoke particles from a realistic composite deck fire. <i>Journal of Aerosol Science</i> , 2018, 123, 91-104.	1.8	12
30	Experimental Study on Repetition Frequency of Drop/Jet Movement in Electro-Spraying of Deionized Water. <i>Aerosol and Air Quality Research</i> , 2018, 18, 301-313.	0.9	10
31	Mobility of nanofiber, nanorod, and straight-chain nanoparticles in gases. <i>Aerosol Science and Technology</i> , 2017, 51, 587-601.	1.5	10
32	Numerical simulation on circulation flow and mass transfer inside atmospheric water drops. <i>Applied Thermal Engineering</i> , 2017, 118, 765-772.	3.0	18
33	Human nasal olfactory deposition of inhaled nanoparticles at low to moderate breathing rate. <i>Journal of Aerosol Science</i> , 2017, 113, 189-200.	1.8	32
34	A combined experimental and numerical study on upper airway dosimetry of inhaled nanoparticles from an electrical discharge machine shop. <i>Particle and Fibre Toxicology</i> , 2017, 14, 24.	2.8	21
35	On Nano-Ellipsoid Transport and Deposition in the Lung First Bifurcation-Effect of Slip Correction. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2016, 138, .	0.8	6
36	Brownian diffusion of fibers. <i>Aerosol Science and Technology</i> , 2016, 50, 474-486.	1.5	7

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37	Transport and Deposition of Welding Fume Agglomerates in a Realistic Human Nasal Airway. <i>Annals of Occupational Hygiene</i> , 2016, 60, 731-747.	1.9	27
38	Transport and deposition of nano-fibers in human upper tracheobronchial airways. <i>Journal of Aerosol Science</i> , 2016, 91, 22-32.	1.8	26
39	Lagrangian particle modelling of spherical nanoparticle dispersion and deposition in confined flows. <i>Journal of Aerosol Science</i> , 2016, 96, 56-68.	1.8	35
40	Near Wall Turbulence Effects on Particle Transport and Deposition in Human Tracheobronchial Multi-Level Bifurcation Model. , 2015, , .		0
41	Effect of Brownian Dynamics on Ellipsoidal Fibers in Human Tracheobronchial Airways. , 2015, , .		0
42	Fiber transport and deposition in human upper tracheobronchial airways. <i>Journal of Aerosol Science</i> , 2013, 60, 1-20.	1.8	49
43	Transport and Deposition of Micro-and Nano-Particles in Human Tracheobronchial Tree by an Asymmetric Multi-Level Bifurcation Model. <i>Journal of Computational Multiphase Flows</i> , 2012, 4, 159-182.	0.8	16
44	Transport and deposition of ellipsoidal fibers in low Reynolds number flows. <i>Journal of Aerosol Science</i> , 2012, 45, 1-18.	1.8	49
45	Particle deposition in turbulent duct flows – comparisons of different model predictions. <i>Journal of Aerosol Science</i> , 2007, 38, 377-397.	1.8	309