

Donovan B Yeates

List of Publications by Year in descending order

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31
papers

665
citations

516710

16
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

302
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of sulfuric acid aerosol on respiratory mechanics and mucociliary particle clearance in healthy nonsmoking adults. <i>AIHA Journal</i> , 1981, 42, 273-282.	0.4	86
2	Roles of hydration, sodium, and chloride in regulation of canine mucociliary transport system. <i>Journal of Applied Physiology</i> , 1997, 83, 1360-1369.	2.5	52
3	Regulation of vocal fold transepithelial water fluxes. <i>Journal of Applied Physiology</i> , 2001, 91, 1401-1411.	2.5	52
4	Luminal Purinergic Regulatory Mechanisms of Tracheal Ciliary Beat Frequency. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1992, 7, 447-454.	2.9	48
5	The Effect of Aspirin on Lung Mucociliary Clearance. <i>New England Journal of Medicine</i> , 1983, 308, 139-141.	27.0	43
6	A mathematical description of the airways of the human lungs. <i>Respiration Physiology</i> , 1978, 32, 91-104.	2.7	37
7	Production of ^{99m} Tc-labeled iron oxide aerosols for human lung deposition and clearance studies. <i>The International Journal of Applied Radiation and Isotopes</i> , 1980, 31, 689-694.	0.7	32
8	Epidermal growth factor increases lung liquid clearance in rat lungs. <i>Journal of Applied Physiology</i> , 1998, 85, 1004-1010.	2.5	31
9	Bidirectional Transepithelial Water Transport: Measurement and Governing Mechanisms. <i>Biophysical Journal</i> , 1999, 76, 869-877.	0.5	31
10	Response of Human Mucociliary Clearance to Acute Alcohol Administration. <i>Archives of Environmental Health</i> , 1981, 36, 194-201.	0.4	28
11	Particle deposition and clearance in the bronchial tree. <i>Annals of Biomedical Engineering</i> , 1981, 9, 577-592.	2.5	26
12	Analysis of Aerosol Deposition in the Healthy Human Lung. <i>Archives of Environmental Health</i> , 1981, 36, 184-193.	0.4	24
13	Interaction between ion transporters and the mucociliary transport system in dog and baboon. <i>Journal of Applied Physiology</i> , 1997, 83, 1348-1359.	2.5	24
14	Mucociliary Clearance of Deposited Particles from the Human Lung: Intra- and Inter-Subject Reproductivity, Total and Regional Lung Clearance, and Model Comparisons. <i>Archives of Environmental Health</i> , 1980, 35, 294-303.	0.4	21
15	Controlled dissolution from wax-coated aerosol particles in canine lungs. <i>Journal of Applied Physiology</i> , 1998, 84, 717-725.	2.5	17
16	Canine model of nasal congestion and allergic rhinitis. <i>Journal of Applied Physiology</i> , 2003, 94, 1821-1828.	2.5	17
17	Production of ⁹⁹ Tcm labelled albumin microspheres for lung clearance studies and inhalation scanning. <i>The International Journal of Applied Radiation and Isotopes</i> , 1974, 25, 578-580.	0.7	15
18	Ion transport and regulation of respiratory tract fluid output in dogs. <i>Journal of Applied Physiology</i> , 2001, 90, 821-831.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Peripheral opioidergic regulation of the tracheobronchial mucociliary transport system. Journal of Applied Physiology, 2003, 94, 2375-2383.	2.5	13
20	Tracheal Reconstruction Using an Epithelial Equivalent. Laryngoscope, 1994, 104, 409-414.	2.0	12
21	Superoxide dismutase failed to attenuate allergen-induced nasal congestion in ragweed-sensitized dogs. Journal of Applied Physiology, 2005, 98, 1478-1486.	2.5	10
22	Cellular-Neural-Cellular Pathways Mediating the Response of Tracheal Ciliary Beat Frequency (CBFt) to Inhaled Capsaicin. Chest, 1992, 101, 72S-73S.	0.8	7
23	A direct measuring capillary viscoelastimeter for mucus. Biorheology, 1987, 24, 231-235.	0.4	6
24	The Role of Mucociliary Transport in the Pathogenesis of Chronic Obstructive Pulmonary Disease. Advances in Experimental Medicine and Biology, 1982, 144, 411-415.	1.6	6
25	A technique for measuring bronchial mucociliary clearance in unsedated dogs. Journal of Aerosol Science, 1986, 17, 985-997.	3.8	4
26	Generation of high concentrations of respirable solid-phase aerosols from viscous fluids. Aerosol Science and Technology, 2018, 52, 933-952.	3.1	4
27	Magnetic Rheometry of Bronchial Mucus. ACS Symposium Series, 1992, , 249-267.	0.5	3
28	CHARACTERISTICS OF TRACHEOBRONCHIAL DEPOSITION AND CLEARANCE IN MAN. , 1982, , 245-257.		2
29	Mucociliary Clearance of Deposited Particles from the Human Lung: Intra- and Inter-Subject Reproducibility, Total and Regional Lung Clearance, and Model Comparisons. Archives of Environmental Health, 1980, 35, 294-303.	0.4	0
30	Magnetic particle microrheometric dynamics in Newtonian fluids: numerical simulations on the early motion and beyond. International Journal of Computational Fluid Dynamics, 2008, 22, 273-285.	1.2	0
31	Fluidic and thermal properties of heliox enable the efficient generation and delivery of high concentrations of solid-phase, fine particle aerosols from viscous liquids. Aerosol Science and Technology, 2019, 53, 609-629.	3.1	0