

# 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	Fluidic and thermal properties of heliox enable the efficient generation and delivery of high concentrations of solid-phase, fine particle aerosols from viscous liquids. <i>Aerosol Science and Technology</i> , 2019, 53, 609-629.	3.1	0
2	Generation of high concentrations of respirable solid-phase aerosols from viscous fluids. <i>Aerosol Science and Technology</i> , 2018, 52, 933-952.	3.1	4
3	Magnetic particle microrheometric dynamics in Newtonian fluids: numerical simulations on the early motion and beyond. <i>International Journal of Computational Fluid Dynamics</i> , 2008, 22, 273-285.	1.2	0
4	Superoxide dismutase failed to attenuate allergen-induced nasal congestion in ragweed-sensitized dogs. <i>Journal of Applied Physiology</i> , 2005, 98, 1478-1486.	2.5	10
5	Canine model of nasal congestion and allergic rhinitis. <i>Journal of Applied Physiology</i> , 2003, 94, 1821-1828.	2.5	17
6	Peripheral opioidergic regulation of the tracheobronchial mucociliary transport system. <i>Journal of Applied Physiology</i> , 2003, 94, 2375-2383.	2.5	13
7	Regulation of vocal fold transepithelial water fluxes. <i>Journal of Applied Physiology</i> , 2001, 91, 1401-1411.	2.5	52
8	Ion transport and regulation of respiratory tract fluid output in dogs. <i>Journal of Applied Physiology</i> , 2001, 90, 821-831.	2.5	13
9	Bidirectional Transepithelial Water Transport: Measurement and Governing Mechanisms. <i>Biophysical Journal</i> , 1999, 76, 869-877.	0.5	31
10	Controlled dissolution from wax-coated aerosol particles in canine lungs. <i>Journal of Applied Physiology</i> , 1998, 84, 717-725.	2.5	17
11	Epidermal growth factor increases lung liquid clearance in rat lungs. <i>Journal of Applied Physiology</i> , 1998, 85, 1004-1010.	2.5	31
12	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
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	Tracheal Reconstruction Using an Epithelial Equivalent. <i>Laryngoscope</i> , 1994, 104, 409-414.	2.0	12
15	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
16	Magnetic Rheometry of Bronchial Mucus. <i>ACS Symposium Series</i> , 1992, , 249-267.	0.5	3
17	Cellular-Neural-Cellular Pathways Mediating the Response of Tracheal Ciliary Beat Frequency (CBFt) to Inhaled Capsaicin. <i>Chest</i> , 1992, 101, 72S-73S.	0.8	7
18	A direct measuring capillary viscoelastimeter for mucus. <i>Biorheology</i> , 1987, 24, 231-235.	0.4	6

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19	A technique for measuring bronchial mucociliary clearance in unsedated dogs. <i>Journal of Aerosol Science</i> , 1986, 17, 985-997.	3.8	4
20	The Effect of Aspirin on Lung Mucociliary Clearance. <i>New England Journal of Medicine</i> , 1983, 308, 139-141.	27.0	43
21	The Role of Mucociliary Transport in the Pathogenesis of Chronic Obstructive Pulmonary Disease. <i>Advances in Experimental Medicine and Biology</i> , 1982, 144, 411-415.	1.6	6
22	CHARACTERISTICS OF TRACHEOBRONCHIAL DEPOSITION AND CLEARANCE IN MAN. , 1982, , 245-257.		2
23	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
24	Particle deposition and clearance in the bronchial tree. <i>Annals of Biomedical Engineering</i> , 1981, 9, 577-592.	2.5	26
25	Response of Human Mucociliary Clearance to Acute Alcohol Administration. <i>Archives of Environmental Health</i> , 1981, 36, 194-201.	0.4	28
26	Analysis of Aerosol Deposition in the Healthy Human Lung. <i>Archives of Environmental Health</i> , 1981, 36, 184-193.	0.4	24
27	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	0
28	Production of <sup>99m</sup> 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
29	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
30	A mathematical description of the airways of the human lungs. <i>Respiration Physiology</i> , 1978, 32, 91-104.	2.7	37
31	Production of <sup>99</sup> 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