

# William D Bennett

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,330  
citations

304743

22  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mucus Clearance and Lung Function in Cystic Fibrosis with Hypertonic Saline. <i>New England Journal of Medicine</i> , 2006, 354, 241-250.	27.0	643
2	Cigarette smoke exposure induces CFTR internalization and insolubility, leading to airway surface liquid dehydration. <i>FASEB Journal</i> , 2012, 26, 533-545.	0.5	221
3	The Relationship of Mucus Concentration (Hydration) to Mucus Osmotic Pressure and Transport in Chronic Bronchitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 182-190.	5.6	136
4	Filtration Efficiency of Hospital Face Mask Alternatives Available for Use During the COVID-19 Pandemic. <i>JAMA Internal Medicine</i> , 2020, 180, 1607.	5.1	122
5	Evaluation of Cloth Masks and Modified Procedure Masks as Personal Protective Equipment for the Public During the COVID-19 Pandemic. <i>JAMA Internal Medicine</i> , 2021, 181, 463.	5.1	118
6	Targeting Delivery of Aerosols to Different Lung Regions. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2002, 15, 179-188.	1.2	92
7	Nasal Contribution to Breathing and Fine Particle Deposition in Children Versus Adults. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 71, 227-237.	2.3	91
8	Effect of $\beta_2$ -adrenergic agonists on mucociliary clearance. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 110, S291-S297.	2.9	89
9	Effect of body size on breathing pattern and fine-particle deposition in children. <i>Journal of Applied Physiology</i> , 2004, 97, 821-826.	2.5	89
10	Mucociliary Clearance as an Outcome Measure for Cystic Fibrosis Clinical Research. <i>Proceedings of the American Thoracic Society</i> , 2007, 4, 399-405.	3.5	75
11	Increasing Concentration of Inhaled Saline with or without Amiloride. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 158-163.	5.6	65
12	Acute Pulmonary Function Response to Ozone in Young Adults As a Function of Body Mass Index. <i>Inhalation Toxicology</i> , 2007, 19, 1147-1154.	1.6	59
13	Nasal contribution to breathing with exercise: effect of race and gender. <i>Journal of Applied Physiology</i> , 2003, 95, 497-503.	2.5	51
14	Targeting Aerosolized Drugs to the Conducting Airways Using Very Large Particles and Extremely Slow Inhalations. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2010, 23, 363-369.	1.4	48
15	Multisite Comparison of Mucociliary and Cough Clearance Measures Using Standardized Methods. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2013, 26, 157-164.	1.4	47
16	Regional deposition and retention of particles in shallow, inhaled boluses: effect of lung volume. <i>Journal of Applied Physiology</i> , 1999, 86, 168-173.	2.5	38
17	Effect of Race on Fine Particle Deposition for Oral and Nasal Breathing. <i>Inhalation Toxicology</i> , 2005, 17, 641-648.	1.6	35
18	Comparative study of simulated nebulized and spray particle deposition in chronic rhinosinusitis patients. <i>International Forum of Allergy and Rhinology</i> , 2019, 9, 746-758.	2.8	32

#	ARTICLE	IF	CITATIONS
19	Effect of salmeterol on mucociliary and cough clearance in chronic bronchitis. <i>Pulmonary Pharmacology and Therapeutics</i> , 2006, 19, 96-100.	2.6	31
20	Controlled inhalation of aerosolised therapeutics. <i>Expert Opinion on Drug Delivery</i> , 2005, 2, 763-767.	5.0	29
21	Effect of Obesity on Acute Ozone-Induced Changes in Airway Function, Reactivity, and Inflammation in Adult Females. <i>PLoS ONE</i> , 2016, 11, e0160030.	2.5	29
22	EFFECTS OF INHALED IRON OXIDE PARTICLES ON ALVEOLAR EPITHELIAL PERMEABILITY IN NORMAL SUBJECTS. <i>Inhalation Toxicology</i> , 2001, 13, 1065-1078.	1.6	24
23	Hypertonic saline has a prolonged effect on mucociliary clearance in adults with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2018, 17, 650-656.	0.7	24
24	Mucociliary and Cough Clearance as a Biomarker for Therapeutic Development. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2010, 23, 261-272.	1.4	21
25	Effect of Posture on Regional Deposition of Coarse Particles in the Healthy Human Lung. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2015, 28, 423-431.	1.4	21
26	Comparison of <sup>133</sup> Xenon Ventilation Equilibrium Scan (XV) and <sup>99m</sup> Technetium Transmission (TT) Scan for Use in Regional Lung Analysis by 2D Gamma Scintigraphy in Healthy and Cystic Fibrosis Lungs. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2013, 26, 94-100.	1.4	19
27	Assessing the effect of beard hair lengths on face masks used as personal protective equipment during the COVID-19 pandemic. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 953-960.	3.9	19
28	Effect of hypertonic saline on mucociliary clearance and clinical outcomes in chronic bronchitis. <i>ERJ Open Research</i> , 2020, 6, 00269-2020.	2.6	16
29	Effect of lumacaftor-ivacaftor on mucociliary clearance and clinical outcomes in cystic fibrosis: Results from the PROSPECT MCC sub-study. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 143-145.	0.7	12
30	Safety and benefits of inhaled hypertonic saline following airway challenges with endotoxin and allergen in asthmatics. <i>Journal of Asthma</i> , 2017, 54, 957-960.	1.7	11
31	Regional Ventilation Is the Main Determinant of Alveolar Deposition of Coarse Particles in the Supine Healthy Human Lung During Tidal Breathing. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017, 30, 322-331.	1.4	10
32	Acute and durable effect of inhaled hypertonic saline on mucociliary clearance in adult asthma. <i>ERJ Open Research</i> , 2021, 7, 00062-2021.	2.6	5
33	Radiolabeling an Electronic Cigarette Aerosol Using Technetium Carbon Ultrafine Particles. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2019, 32, 47-53.	1.4	4
34	Effect of Respiratory Tract Disease on Particle Deposition. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2021, 34, 269-273.	1.4	2
35	A simple HEPA filtering facepiece. <i>American Journal of Infection Control</i> , 2021, 49, 1206-1209.	2.3	2