

Robert H Brown

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,476
citations

257450
24
h-index

345221
36
g-index

66
all docs

66
docs citations

66
times ranked

1382
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreased pulmonary vascular permeability in aquaporin-1-null humans. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1059-1063.	7.1	114
2	<i>In Vivo</i> Measurements of Airway Reactivity Using High-Resolution Computed Tomography. The American Review of Respiratory Disease, 1991, 144, 208-212.	2.9	110
3	The structural basis of airways hyperresponsiveness in asthma. Journal of Applied Physiology, 2006, 101, 30-39.	2.5	83
4	The myth of maximal airway responsiveness in vivo. Journal of Applied Physiology, 1998, 85, 2012-2017.	2.5	76
5	Sulforaphane improves the bronchoprotective response in asthmatics through Nrf2-mediated gene pathways. Respiratory Research, 2015, 16, 106.	3.6	65
6	Super-achromatic monolithic microprobe for ultrahigh-resolution endoscopic optical coherence tomography at 800nm. Nature Communications, 2017, 8, 1531.	12.8	57
7	In vivo evaluation of the effectiveness of bronchial thermoplasty with computed tomography. Journal of Applied Physiology, 2005, 98, 1603-1606.	2.5	48
8	Bronchodilation response to deep inspirations in asthma is dependent on airway distensibility and air trapping. Journal of Applied Physiology, 2011, 110, 472-479.	2.5	48
9	Effect of lung inflation in vivo on airways with smooth muscle tone or edema. Journal of Applied Physiology, 1997, 82, 491-499.	2.5	46
10	Airways Hyperresponsiveness and the Effects of Lung Inflation. International Archives of Allergy and Immunology, 2001, 124, 262-266.	2.1	40
11	Bronchial Artery Angiogenesis Drives Lung Tumor Growth. Cancer Research, 2016, 76, 5962-5969.	0.9	37
12	Airway response to deep inspiration: role of inflation pressure. Journal of Applied Physiology, 2001, 91, 2574-2578.	2.5	36
13	Variability in the Size of Individual Airways Over the Course of One Year. American Journal of Respiratory and Critical Care Medicine, 1995, 151, 1159-1164.	5.6	35
14	Invited Review: Understanding airway pathophysiology with computed tomography. Journal of Applied Physiology, 2003, 95, 854-862.	2.5	35
15	Genetic Predisposition to Latex Allergy. Anesthesiology, 2005, 102, 496-502.	2.5	34
16	Assessment of heterogeneous airway constriction in dogs: a structure-function analysis. Journal of Applied Physiology, 2009, 106, 520-530.	2.5	34
17	Interaction between airway edema and lung inflation on responsiveness of individual airways in vivo. Journal of Applied Physiology, 1997, 83, 366-370.	2.5	31
18	Supranormal Expiratory Airflow after Bilateral Lung Transplantation Is Associated with Improved Survival. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 79-87.	5.6	31

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19	Effect of Continuous Positive Airway Pressure on Airway Reactivity in Asthma. A Randomized, Sham-controlled Clinical Trial. <i>Annals of the American Thoracic Society</i> , 2016, 13, 1940-1950.	3.2	29
20	Spontaneous Airways Constrict During Breath Holding Studied by High-Resolution Computed Tomography. <i>Chest</i> , 1994, 106, 920-924.	0.8	28
21	Low-moderate arsenic exposure and respiratory in American Indian communities in the Strong Heart Study. <i>Environmental Health</i> , 2019, 18, 104.	4.0	28
22	The Effects of Systemic Lidocaine on Airway Tone and Pulmonary Function in Asthmatic Subjects. <i>Anesthesia and Analgesia</i> , 2007, 104, 1109-1115.	2.2	27
23	Airway closure with high PEEP in vivo. <i>Journal of Applied Physiology</i> , 2000, 89, 956-960.	2.5	25
24	The airway response to deep inspirations decreases with COPD severity and is associated with airway distensibility assessed by computed tomography. <i>Journal of Applied Physiology</i> , 2008, 105, 832-838.	2.5	24
25	Negative Pressure Pulmonary Edema Following Bronchospasm. <i>Chest</i> , 2011, 140, 1351-1354.	0.8	23
26	Prevention of Bronchoconstriction by an Orally Active Local Anesthetic. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995, 151, 1239-1243.	5.6	20
27	Airway distension with lung inflation measured by HRCT1. <i>Academic Radiology</i> , 2003, 10, 1097-1103.	2.5	20
28	Different latex aeroallergen size distributions between powdered surgical and examination gloves: Significance for environmental avoidance. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 358-363.	2.9	18
29	Duration of Deep Inspiration and Subsequent Airway Constriction In Vivo. <i>Journal of Asthma</i> , 2003, 40, 119-124.	1.7	17
30	Effects of tidal volume stretch on airway constriction in vivo. <i>Journal of Applied Physiology</i> , 2001, 91, 1995-1998.	2.5	16
31	Admission Criteria for Children With Obstructive Sleep Apnea After Adenotonsillectomy: Considerations for Cost. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1463-1472.	2.6	16
32	Effects of Obstructive Sleep Apnea and Obesity on Morphine Pharmacokinetics in Children. <i>Anesthesia and Analgesia</i> , 2020, 131, 876-884.	2.2	16
33	Measurement of intraindividual airway tone heterogeneity and its importance in asthma. <i>Journal of Applied Physiology</i> , 2016, 121, 223-232.	2.5	15
34	Effect of Parenchymal Stiffness on Canine Airway Size with Lung Inflation. <i>PLoS ONE</i> , 2010, 5, e10332.	2.5	14
35	Mobilization of Environmental Toxicants Following Bariatric Surgery. <i>Obesity</i> , 2019, 27, 1865-1873.	3.0	13
36	Clinical Trial of Losartan for Pulmonary Emphysema: Pulmonary Trials Cooperative Losartan Effects on Emphysema Progression Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 838-845.	5.6	12

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37	Temporal variability in the responses of individual canine airways to methacholine. Journal of Applied Physiology, 2008, 104, 1381-1386.	2.5	11
38	HIV Infection Is Independently Associated with Increased CT Scan Lung Density. Academic Radiology, 2017, 24, 137-145.	2.5	11
39	Functional imaging of airway narrowing. Respiratory Physiology and Neurobiology, 2003, 137, 327-337.	1.6	9
40	How Health Care Organizations Can Establish and Conduct a Program for a Latex-Safe Environment. Joint Commission Journal on Quality and Safety, 2003, 29, 113-123.	1.3	9
41	Lung Function and Respiratory Symptoms after Tuberculosis in an American Indian Population. The Strong Heart Study. Annals of the American Thoracic Society, 2020, 17, 38-48.	3.2	9
42	Airway Distensibility by HRCT in Asthmatics and COPD with Comparable Airway Obstruction. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2013, 10, 560-566.	1.6	8
43	Forced expiratory capnography and chronic obstructive pulmonary disease (COPD). Journal of Breath Research, 2013, 7, 017108.	3.0	8
44	Current Advances in COPD Imaging. Academic Radiology, 2019, 26, 335-343.	2.5	8
45	Changes in oxidative stress during outpatient surgery. Journal of Breath Research, 2009, 3, 016002.	3.0	7
46	Association of Lung Function With HIV-Related Quality of Life and Health Care Utilization in a High-Risk Cohort. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 219-226.	2.1	7
47	Visualization and Validation of The Microstructures in The Airway Wall in vivo Using Diffractive Optical Coherence Tomography. Academic Radiology, 2022, 29, 1623-1630.	2.5	7
48	Direct Visualization and Quantitative Imaging of Small Airway Anatomy Using Deep Learning Assisted Diffractive OCT. IEEE Transactions on Biomedical Engineering, 2023, 70, 238-246.	4.2	7
49	The Final Steps in Converting a Health Care Organization to a Latex-Safe Environment. Joint Commission Journal on Quality and Patient Safety, 2009, 35, 224-228.	0.7	6
50	Propofol and in vivo oxidative stress: effects of preservative. Journal of Breath Research, 2009, 3, 016003.	3.0	6
51	The Hidden Burden of Severe Asthma: From Patient Perspective to New Opportunities for Clinicians. Journal of Clinical Medicine, 2020, 9, 2397.	2.4	6
52	Mechanisms of limited airway dimension with lung inflation. Pulmonary Pharmacology and Therapeutics, 2007, 20, 118-125.	2.6	5
53	Effect of Bronchial Thermoplasty on Airway Closure. Clinical Medicine Circulatory, Respiratory and Pulmonary Medicine, 2007, 1, CCRPM.S365.	0.4	5
54	HIV is Associated with Impaired Pulmonary Diffusing Capacity Independent of Emphysema. Journal of Acquired Immune Deficiency Syndromes (1999), 2021, Publish Ahead of Print, 64-68.	2.1	5

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55	HRCT imaging of airway responsiveness: effects of anesthetics. , 2000, 16, 443-455.		4
56	Reproducibility of airway luminal size in asthma measured by HRCT. Journal of Applied Physiology, 2017, 123, 876-883.	2.5	4
57	Losartan Effects on Emphysema Progression Randomized Clinical Trial: Rationale, Design, Recruitment, and Retention. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2021, 8, 414-426.	0.7	4
58	Phosphodiesterase V Inhibition Reduces Airway Responsiveness, but Does Not Improve the Beneficial Effect of Deep Inspiration. Respiration, 2013, 86, 243-251.	2.6	3
59	Longitudinal assessment of interstitial lung disease in single lung transplant recipients with scleroderma. Rheumatology, 2020, 59, 790-798.	1.9	3
60	A Handoffs Software Led to Fewer Errors of Omission and Better Provider Satisfaction: A Randomized Control Trial. Journal of Patient Safety, 2020, 16, 194-198.	1.7	2
61	REPLY FROM DRS. BROWN, PEARSE, PYRGOS, LIU, TOGIAS, AND PERMUTT. Journal of Applied Physiology, 2006, 101, 1813-1813.	2.5	1
62	Individual canine Airway Response Variability to a Deep Inspiration. Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine, 2011, 5, CCRPM.S6531.	0.9	0
63	Lung Density in Extremely Large Healthy Lungs. Chest, 2016, 149, 291-292.	0.8	0
64	Pulmonary Hypertension and the Quantification of Lung Density on Chest CT. Academic Radiology, 2016, 23, 933-934.	2.5	0
65	CT, MRI, COPD, and Worsening FEV1; “Once You Do Know What the Question Actually Is, You’ll Know What the Answer Means” Academic Radiology, 2021, 28, 507-508.	2.5	0