

Robert H Brown

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,476
citations

257101

24
h-index

344852

36
g-index

66
all docs

66
docs citations

66
times ranked

1382
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Visualization and Quantitative Imaging of Small Airway Anatomy Using Deep Learning Assisted Diffractive OCT. IEEE Transactions on Biomedical Engineering, 2023, 70, 238-246.	2.5	7
2	Visualization and Validation of The Microstructures in The Airway Wall in vivo Using Diffractive Optical Coherence Tomography. Academic Radiology, 2022, 29, 1623-1630.	1.3	7
3	Clinical Trial of Losartan for Pulmonary Emphysema: Pulmonary Trials Cooperative Losartan Effects on Emphysema Progression Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 838-845.	2.5	12
4	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.	1.3	0
5	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.	0.9	5
6	Losartan Effects on Emphysema Progression Randomized Clinical Trial: Rationale, Design, Recruitment, and Retention. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2021, 8, 414-426.	0.5	4
7	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.	0.7	2
8	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.	1.5	9
9	Longitudinal assessment of interstitial lung disease in single lung transplant recipients with scleroderma. Rheumatology, 2020, 59, 790-798.	0.9	3
10	Effects of Obstructive Sleep Apnea and Obesity on Morphine Pharmacokinetics in Children. Anesthesia and Analgesia, 2020, 131, 876-884.	1.1	16
11	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.	0.9	7
12	The Hidden Burden of Severe Asthma: From Patient Perspective to New Opportunities for Clinicians. Journal of Clinical Medicine, 2020, 9, 2397.	1.0	6
13	Current Advances in COPD Imaging. Academic Radiology, 2019, 26, 335-343.	1.3	8
14	Mobilization of Environmental Toxicants Following Bariatric Surgery. Obesity, 2019, 27, 1865-1873.	1.5	13
15	Low-moderate arsenic exposure and respiratory in American Indian communities in the Strong Heart Study. Environmental Health, 2019, 18, 104.	1.7	28
16	HIV Infection Is Independently Associated with Increased CT Scan Lung Density. Academic Radiology, 2017, 24, 137-145.	1.3	11
17	Reproducibility of airway luminal size in asthma measured by HRCT. Journal of Applied Physiology, 2017, 123, 876-883.	1.2	4
18	Super-achromatic monolithic microprobe for ultrahigh-resolution endoscopic optical coherence tomography at 800nm. Nature Communications, 2017, 8, 1531.	5.8	57

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19	Admission Criteria for Children With Obstructive Sleep Apnea After Adenotonsillectomy: Considerations for Cost. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1463-1472.	1.4	16
20	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.	1.5	29
21	Measurement of intraindividual airway tone heterogeneity and its importance in asthma. <i>Journal of Applied Physiology</i> , 2016, 121, 223-232.	1.2	15
22	Lung Density in Extremely Large Healthy Lungs. <i>Chest</i> , 2016, 149, 291-292.	0.4	0
23	Bronchial Artery Angiogenesis Drives Lung Tumor Growth. <i>Cancer Research</i> , 2016, 76, 5962-5969.	0.4	37
24	Pulmonary Hypertension and the Quantification of Lung Density on Chest CT. <i>Academic Radiology</i> , 2016, 23, 933-934.	1.3	0
25	Sulforaphane improves the bronchoprotective response in asthmatics through Nrf2-mediated gene pathways. <i>Respiratory Research</i> , 2015, 16, 106.	1.4	65
26	Airway Distensibility by HRCT in Asthmatics and COPD with Comparable Airway Obstruction. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2013, 10, 560-566.	0.7	8
27	Phosphodiesterase V Inhibition Reduces Airway Responsiveness, but Does Not Improve the Beneficial Effect of Deep Inspiration. <i>Respiration</i> , 2013, 86, 243-251.	1.2	3
28	Forced expiratory capnography and chronic obstructive pulmonary disease (COPD). <i>Journal of Breath Research</i> , 2013, 7, 017108.	1.5	8
29	Bronchodilation response to deep inspirations in asthma is dependent on airway distensibility and air trapping. <i>Journal of Applied Physiology</i> , 2011, 110, 472-479.	1.2	48
30	Supranormal Expiratory Airflow after Bilateral Lung Transplantation Is Associated with Improved Survival. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 79-87.	2.5	31
31	Individual canine Airway Response Variability to a Deep Inspiration. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2011, 5, CCRPM.S6531.	0.5	0
32	Negative Pressure Pulmonary Edema Following Bronchospasm. <i>Chest</i> , 2011, 140, 1351-1354.	0.4	23
33	Effect of Parenchymal Stiffness on Canine Airway Size with Lung Inflation. <i>PLoS ONE</i> , 2010, 5, e10332.	1.1	14
34	Changes in oxidative stress during outpatient surgery. <i>Journal of Breath Research</i> , 2009, 3, 016002.	1.5	7
35	Assessment of heterogeneous airway constriction in dogs: a structure-function analysis. <i>Journal of Applied Physiology</i> , 2009, 106, 520-530.	1.2	34
36	The Final Steps in Converting a Health Care Organization to a Latex-Safe Environment. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2009, 35, 224-228.	0.4	6

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37	Propofol and in vivo oxidative stress: effects of preservative. <i>Journal of Breath Research</i> , 2009, 3, 016003.	1.5	6
38	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.	1.2	24
39	Temporal variability in the responses of individual canine airways to methacholine. <i>Journal of Applied Physiology</i> , 2008, 104, 1381-1386.	1.2	11
40	The Effects of Systemic Lidocaine on Airway Tone and Pulmonary Function in Asthmatic Subjects. <i>Anesthesia and Analgesia</i> , 2007, 104, 1109-1115.	1.1	27
41	Mechanisms of limited airway dimension with lung inflation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2007, 20, 118-125.	1.1	5
42	Effect of Bronchial Thermoplasty on Airway Closure. <i>Clinical Medicine Circulatory, Respiratory and Pulmonary Medicine</i> , 2007, 1, CCRPM.S365.	0.4	5
43	REPLY FROM DRS. BROWN, PEARSE, PYRGOS, LIU, TOGIAS, AND PERMUTT. <i>Journal of Applied Physiology</i> , 2006, 101, 1813-1813.	1.2	1
44	The structural basis of airways hyperresponsiveness in asthma. <i>Journal of Applied Physiology</i> , 2006, 101, 30-39.	1.2	83
45	Genetic Predisposition to Latex Allergy. <i>Anesthesiology</i> , 2005, 102, 496-502.	1.3	34
46	In vivo evaluation of the effectiveness of bronchial thermoplasty with computed tomography. <i>Journal of Applied Physiology</i> , 2005, 98, 1603-1606.	1.2	48
47	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.	1.5	18
48	Airway distension with lung inflation measured by HRCT1. <i>Academic Radiology</i> , 2003, 10, 1097-1103.	1.3	20
49	Functional imaging of airway narrowing. <i>Respiratory Physiology and Neurobiology</i> , 2003, 137, 327-337.	0.7	9
50	Duration of Deep Inspiration and Subsequent Airway Constriction In Vivo. <i>Journal of Asthma</i> , 2003, 40, 119-124.	0.9	17
51	How Health Care Organizations Can Establish and Conduct a Program for a Latex-Safe Environment. <i>Joint Commission Journal on Quality and Safety</i> , 2003, 29, 113-123.	1.3	9
52	Invited Review: Understanding airway pathophysiology with computed tomography. <i>Journal of Applied Physiology</i> , 2003, 95, 854-862.	1.2	35
53	Decreased pulmonary vascular permeability in aquaporin-1-null humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1059-1063.	3.3	114
54	Airway response to deep inspiration: role of inflation pressure. <i>Journal of Applied Physiology</i> , 2001, 91, 2574-2578.	1.2	36

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55	Effects of tidal volume stretch on airway constriction in vivo. Journal of Applied Physiology, 2001, 91, 1995-1998.	1.2	16
56	Airways Hyperresponsiveness and the Effects of Lung Inflation. International Archives of Allergy and Immunology, 2001, 124, 262-266.	0.9	40
57	HRCT imaging of airway responsiveness: effects of anesthetics. , 2000, 16, 443-455.		4
58	Airway closure with high PEEP in vivo. Journal of Applied Physiology, 2000, 89, 956-960.	1.2	25
59	The myth of maximal airway responsiveness in vivo. Journal of Applied Physiology, 1998, 85, 2012-2017.	1.2	76
60	Effect of lung inflation in vivo on airways with smooth muscle tone or edema. Journal of Applied Physiology, 1997, 82, 491-499.	1.2	46
61	Interaction between airway edema and lung inflation on responsiveness of individual airways in vivo. Journal of Applied Physiology, 1997, 83, 366-370.	1.2	31
62	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.	2.5	35
63	Prevention of Bronchoconstriction by an Orally Active Local Anesthetic. American Journal of Respiratory and Critical Care Medicine, 1995, 151, 1239-1243.	2.5	20
64	Spontaneous Airways Constrict During Breath Holding Studied by High-Resolution Computed Tomography. Chest, 1994, 106, 920-924.	0.4	28
65	<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