

# Melissa L Bates

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

679  
citations

516710  
16  
h-index

610901  
24  
g-index

57  
all docs

57  
docs citations

57  
times ranked

942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal Ventilatory Responses in Adults Born Prematurely. <i>New England Journal of Medicine</i> , 2014, 370, 584-585.	27.0	61
2	Impact of the Vulnerable Preterm Heart and Circulation on Adult Cardiovascular Disease Risk. <i>Hypertension</i> , 2020, 76, 1028-1037.	2.7	54
3	Acute resolution of pulmonary alveolar infiltrates in 10 dogs with pulmonary hypertension treated with sildenafil citrate: 2005–2014. <i>Journal of Veterinary Cardiology</i> , 2015, 17, 182-191.	0.9	46
4	Accuracy of Doppler echocardiographic estimates of pulmonary artery pressures in a canine model of pulmonary hypertension. <i>Journal of Veterinary Cardiology</i> , 2015, 17, 13-24.	0.9	45
5	The skinny on obesity and plasma cell myeloma: a review of the literature. <i>Bone Marrow Transplantation</i> , 2014, 49, 1009-1015.	2.4	39
6	Quantifying hypoxia-induced chemoreceptor sensitivity in the awake rodent. <i>Journal of Applied Physiology</i> , 2014, 117, 816-824.	2.5	36
7	Alteration of mitochondrial biogenesis promotes disease progression in multiple myeloma. <i>Oncotarget</i> , 2017, 8, 111213-111224.	1.8	35
8	The Curious Question of Exercise-Induced Pulmonary Edema. <i>Pulmonary Medicine</i> , 2011, 2011, 1-7.	1.9	34
9	Ventilatory control in infants, children, and adults with bronchopulmonary dysplasia. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 329-337.	1.6	33
10	Pulmonary Gas Exchange and Exercise Capacity in Adults Born Preterm. <i>Annals of the American Thoracic Society</i> , 2015, 12, 150608162646009.	3.2	31
11	Oxidative stress augments chemoreflex sensitivity in rats exposed to chronic intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2016, 234, 47-59.	1.6	26
12	Adult Cardiovascular Health Risk and Cardiovascular Phenotypes of Prematurity. <i>Journal of Pediatrics</i> , 2020, 227, 17-30.	1.8	21
13	Hypoxia recruits intrapulmonary arteriovenous pathways in intact rats but not isolated rat lungs. <i>Journal of Applied Physiology</i> , 2012, 112, 1915-1920.	2.5	20
14	Chronic intermittent hypoxia alters ventilatory and metabolic responses to acute hypoxia in rats. <i>Journal of Applied Physiology</i> , 2016, 120, 1186-1195.	2.5	18
15	Hypoxia and Exercise Increase the Transpulmonary Passage of 99mTc-Labeled Albumin Particles in Humans. <i>PLoS ONE</i> , 2014, 9, e101146.	2.5	17
16	Prevention Is the Best Treatment: The Case for Understanding the Transition from Monoclonal Gammopathy of Undetermined Significance to Myeloma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3621.	4.1	17
17	The snoRNA target of t(4;14) in multiple myeloma regulates ribosome biogenesis. <i>FASEB BioAdvances</i> , 2019, 1, 404-414.	2.4	17
18	Pulmonary arterial strain- and remodeling-induced stiffening are differentiated in a chronic model of pulmonary hypertension. <i>Journal of Biomechanics</i> , 2017, 55, 92-98.	2.1	16

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19	Increased aortic stiffness and elevated blood pressure in response to exercise in adult survivors of prematurity. <i>Physiological Reports</i> , 2020, 8, e14462.	1.7	11
20	Chronic intermittent hypoxia enhances disease progression in myeloma-resistant mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R678-R686.	1.8	10
21	A Large Animal Model of Right Ventricular Failure due to Chronic Thromboembolic Pulmonary Hypertension: A Focus on Function. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 5, 189.	2.4	9
22	Inhaled Thrombolytics Reduce Lung Microclot and Leukocyte Infiltration After Acute Blood Loss. <i>Shock</i> , 2014, 41, 528-536.	2.1	8
23	Effect of body position and oxygen tension on foramen ovale recruitment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R28-R33.	1.8	8
24	Consequences of an early catheter-based intervention on pulmonary artery growth and right ventricular myocardial function in a pig model of pulmonary artery stenosis. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 78-87.	1.7	8
25	Longitudinal distribution of ozone absorption in the lung: Comparison of cigarette smokers and nonsmokers. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 270-275.	2.8	7
26	Transient Intrapulmonary Shunting in a Patient Treated With $\beta_2$ -Adrenergic Agonists for Status Asthmaticus. <i>Pediatrics</i> , 2014, 133, e1087-e1091.	2.1	7
27	Carotid body size measured by computed tomographic angiography in individuals born prematurely. <i>Respiratory Physiology and Neurobiology</i> , 2018, 258, 47-52.	1.6	7
28	Everyone must be able to breathe: a plan to support diversity and inclusion in respiratory physiology. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L159-L162.	2.9	7
29	Beta Adrenergic Regulation of Intrapulmonary Arteriovenous Anastomoses in Intact Rat and Isolated Rat Lungs. <i>Frontiers in Physiology</i> , 2017, 8, 218.	2.8	5
30	Challenges and inclusive practices for LGBTQIA2S+ scientists in the American Physiological Society. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H121-H124.	3.2	5
31	Inspiratory and expiratory resistance cause right-to-left bubble passage through the foramen ovale. <i>Physiological Reports</i> , 2018, 6, e13719.	1.7	4
32	Case Studies in Physiology: Untangling the cause of hypoxemia in a patient with obesity with acute leukemia. <i>Journal of Applied Physiology</i> , 2021, 131, 788-793.	2.5	4
33	Prominent Bronchopulmonary Vascular Anastomoses in Fatal Childhood Asthma. <i>Annals of the American Thoracic Society</i> , 2018, 15, 1359-1362.	3.2	3
34	Pulmonary function responses to ozone in smokers with a limited smoking history. <i>Toxicology and Applied Pharmacology</i> , 2014, 278, 85-90.	2.8	2
35	Commentaries on Viewpoint: Why do some patients stop breathing after taking narcotics? Ventilatory chemosensitivity as a predictor of opioid-induced respiratory depression. <i>Journal of Applied Physiology</i> , 2015, 119, 423-425.	2.5	2
36	Addressing workplace violence with the Pathway to Excellence® framework. <i>Nursing Management</i> , 2019, 50, 10-13.	0.4	2

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37	Respiratory diseases are whole body diseases: opportunities for growth in respiratory physiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L628-L630.	2.9	2
38	Case Studies in Physiology: Untangling the cause of hypoxemia in an obese patient with acute leukemia. FASEB Journal, 2021, 35, .	0.5	1
39	Wearable Monitors Facilitate Exercise in Adult and Pediatric Stem Cell Transplant. Exercise and Sport Sciences Reviews, 2021, 49, 205-212.	3.0	1
40	Air Pollution and the Pulmonary Vasculature. , 2011, , 963-977.		0
41	Inhaled Nitric Oxide Alters Opening Of Intrapulmonary Arteriovenous Pathways In Humans During Exercise. , 2011, , .		0
42	Intrapulmonary Arteriovenous Shunt Pathways Are Recruited By Sympathetic Mediators. , 2011, , .		0
43	Overbuilt for exercise or not: how do lung structure and distensibility impact exercise capacity?. Journal of Physiology, 2013, 591, 605-606.	2.9	0
44	Reply to Joseph. Journal of Applied Physiology, 2014, 117, 1525-1525.	2.5	0
45	Ultrasound Assessment of Ex Vivo Lung Tissue Properties Using a Fluid-Filled Negative Pressure Bath. Journal of Biomechanical Engineering, 2014, 136, .	1.3	0
46	Combining Volumetric Capnography And Barometric Plethysmography To Measure The Lung Structure-function Relationship. Journal of Visualized Experiments, 2019, , .	0.3	0
47	Using an Investigative Journalism Approach to Design Mechanistic Experiments in Physiology. Physiology, 2020, 35, 218-219.	3.1	0
48	RNA Bulk Sequencing Analysis and Differential Gene Expression of Multiple Myeloma Susceptibility Strains: KaLwRij and CIH. FASEB Journal, 2021, 35, .	0.5	0
49	Aortic Pulse Wave Velocity Derivation From Arterial Waveforms in Critically Ill Infants and Children. FASEB Journal, 2021, 35, .	0.5	0
50	Viewpoint: Time to stop treating the heart as a single organ?. Experimental Physiology, 2021, 106, 1315-1316.	2.0	0
51	Increases in Cardiac Output Recruit Intrapulmonary Shunt Pathways in the Rat. FASEB Journal, 2010, 24, 1061.2.	0.5	0
52	Intrapulmonary Shunting is an Important Contributor to Exercise-Induced Arterial Hypoxemia. FASEB Journal, 2012, 26, 1146.2.	0.5	0
53	Feasibility of Stent Fracture and Expansion in the Palliation of Branch Pulmonary Artery Stenosis. FASEB Journal, 2015, 29, 1017.5.	0.5	0
54	Long-term dietary nitrite supplementation is effective in reducing cardiovascular disease risk factors in older, obese rats. FASEB Journal, 2018, 32, 517.4.	0.5	0

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55	Ventilatory effects of long-term nitrite supplementation in a rat model of obesity. FASEB Journal, 2019, 33, 733.2.	0.5	0
56	The use of simulated research rehearsals to address barriers to cardiopulmonary physiology research in the neonatal intensive care unit. Human Factors in Healthcare, 2022, , 100007.	1.5	0
57	Sex Differences and Cardiovascular Diseases in Down Syndrome. FASEB Journal, 2022, 36, .	0.5	0