

Sarah E Baker

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,455
citations

516215

16
h-index

243296

44
g-index

67
all docs

67
docs citations

67
times ranked

4168
citing authors

#	ARTICLE	IF	CITATIONS
1	Central hemodynamic response during submaximal and exhaustive exercise in humans with high affinity hemoglobin and compensatory polycythemia. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
2	Muscle oxygenation during normoxic and hypoxic cycling exercise in humans with high affinity haemoglobin. <i>Experimental Physiology</i> , 2022, 107, 854-863.	0.9	2
3	Body position does not influence muscle oxygenation during submaximal cycling. <i>Translational Sports Medicine</i> , 2021, 4, 193-203.	0.5	1
4	Experiments of nature and within species comparative physiology. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 253, 110864.	0.8	6
5	Convalescent Plasma for Infectious Diseases: Historical Framework and Use in COVID-19. <i>Clinical Microbiology Newsletter</i> , 2021, 43, 23-32.	0.4	29
6	Convalescent Plasma Antibody Levels and the Risk of Death from Covid-19. <i>New England Journal of Medicine</i> , 2021, 384, 1015-1027.	13.9	438
7	Sex-based limits to running speed in the human, horse and dog: The role of sexual dimorphisms. <i>FASEB Journal</i> , 2021, 35, e21562.	0.2	6
8	Sex Differences in the Effect of Acute Intermittent Hypoxia on Respiratory Sympathetic Coupling in Humans. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
9	The Effect of Convalescent Plasma Therapy on Mortality Among Patients With COVID-19: Systematic Review and Meta-analysis. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1262-1275.	1.4	129
10	Use of convalescent plasma in COVID-19 patients with immunosuppression. <i>Transfusion</i> , 2021, 61, 2503-2511.	0.8	70
11	Convalescent Plasma Therapy for COVID-19: A Graphical Mosaic of the Worldwide Evidence. <i>Frontiers in Medicine</i> , 2021, 8, 684151.	1.2	50
12	Take a Deep, Resisted, Breath. <i>Journal of the American Heart Association</i> , 2021, 10, e022203.	1.6	2
13	The impact of ageing and sex on sympathetic neurocirculatory regulation. <i>Seminars in Cell and Developmental Biology</i> , 2021, 116, 72-81.	2.3	15
14	Mortality in individuals treated with COVID-19 convalescent plasma varies with the geographic provenance of donors. <i>Nature Communications</i> , 2021, 12, 4864.	5.8	49
15	Sex differences in the effect of acute intermittent hypoxia on respiratory modulation of sympathetic activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R903-R911.	0.9	4
16	Influence of High Hemoglobin-Oxygen Affinity on Humans During Hypoxia. <i>Frontiers in Physiology</i> , 2021, 12, 763933.	1.3	19
17	The Role of Disease Severity and Demographics in the Clinical Course of COVID-19 Patients Treated With Convalescent Plasma. <i>Frontiers in Medicine</i> , 2021, 8, 707895.	1.2	3
18	Access to and safety of COVID-19 convalescent plasma in the United States Expanded Access Program: A national registry study. <i>PLoS Medicine</i> , 2021, 18, e1003872.	3.9	43

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19	Influence of high affinity haemoglobin on the response to normoxic and hypoxic exercise. <i>Journal of Physiology</i> , 2020, 598, 1475-1490.	1.3	31
20	Bronchopulmonary dysplasia patients have preserved CT-measured central airway luminal area. <i>Respiratory Medicine</i> , 2020, 170, 106071.	1.3	1
21	Recruitment Strategy for Potential COVID-19 Convalescent Plasma Donors. <i>Mayo Clinic Proceedings</i> , 2020, 95, 2343-2349.	1.4	4
22	Safety Update. <i>Mayo Clinic Proceedings</i> , 2020, 95, 1888-1897.	1.4	364
23	Sex differences in integrated neurocardiovascular control of blood pressure following acute intermittent hypercapnic hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R626-R636.	0.9	18
24	Greater Influence of Aerobic Fitness on Autonomic Support of Blood Pressure in Young Women Than in Older Women. <i>Hypertension</i> , 2020, 75, 1497-1504.	1.3	8
25	Ergogenic Effect of Nitrate Supplementation: A Systematic Review and Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2250-2261.	0.2	66
26	Forearm vasodilatation to a β_2 adrenergic receptor agonist in premenopausal and postmenopausal women. <i>Experimental Physiology</i> , 2020, 105, 886-892.	0.9	12
27	Sex differences in paediatric airway anatomy. <i>Experimental Physiology</i> , 2020, 105, 721-731.	0.9	21
28	Sympathetic neural recruitment strategies following acute intermittent hypoxia in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R961-R971.	0.9	16
29	Early safety indicators of COVID-19 convalescent plasma in 5000 patients. <i>Journal of Clinical Investigation</i> , 2020, 130, 4791-4797.	3.9	386
30	Effect of varying chemoreflex stress on sympathetic neural recruitment strategies during apnea. <i>Journal of Neurophysiology</i> , 2019, 122, 1386-1396.	0.9	8
31	Asynchronous action potential discharge in human muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H754-H764.	1.5	10
32	Dissociating the effects of oxygen pressure and content on the control of breathing and acute hypoxic response. <i>Journal of Applied Physiology</i> , 2019, 127, 1622-1631.	1.2	14
33	Cystic Fibrosis Transmembrane Conductance Regulator Genotype, Not Circulating Catecholamines, Influences Cardiovascular Function in Patients with Cystic Fibrosis. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2019, 13, 117954841983578.	0.5	5
34	Sex differences in youth elite swimming. <i>PLoS ONE</i> , 2019, 14, e0225724.	1.1	26
35	Psychological and Genetic Predictors of Pain Tolerance. <i>Clinical and Translational Science</i> , 2019, 12, 189-195.	1.5	15
36	Effect of Voluntary End-tidal Expiratory Apnea During Varying Chemoreflex Stress on Sympathetic Neural Recruitment Strategies. <i>FASEB Journal</i> , 2019, 33, 838.14.	0.2	1

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37	Sympathetic Discharge Patterns and Neurovascular Transduction Following Acute Intermittent Hypoxia. <i>FASEB Journal</i> , 2019, 33, 562.8.	0.2	1
38	Influence of the Vibralung Acoustical Percussor on pulmonary function and sputum expectoration in individuals with cystic fibrosis. <i>Therapeutic Advances in Respiratory Disease</i> , 2018, 12, 175346661877099.	1.0	11
39	The role of the paravertebral ganglia in human sympathetic neural discharge patterns. <i>Journal of Physiology</i> , 2018, 596, 4497-4510.	1.3	11
40	Aging Alters the Relative Contributions of the Sympathetic and Parasympathetic Nervous System to Blood Pressure Control in Women. <i>Hypertension</i> , 2018, 72, 1236-1242.	1.3	40
41	Exercise Stroke Volume in Adult Cystic Fibrosis: A Comparison of Acetylene Pulmonary Uptake and Oxygen Pulse. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2018, 12, 117954841879056.	0.5	3
42	Sex differences in large conducting airway anatomy. <i>Journal of Applied Physiology</i> , 2018, 125, 960-965.	1.2	75
43	Pharmacological assessment of the contribution of the arterial baroreflex to sympathetic discharge patterns in healthy humans. <i>Journal of Neurophysiology</i> , 2018, 119, 2166-2175.	0.9	13
44	Sympathetic Neurohemodynamic Transduction at Rest in Subjects with Low and High Tolerance to Simulated Blood Loss. <i>FASEB Journal</i> , 2018, 32, lb266.	0.2	0
45	Intact blood pressure, but not sympathetic, responsiveness to sympathoexcitatory stimuli in a patient with unilateral carotid body resection. <i>Physiological Reports</i> , 2017, 5, e13212.	0.7	5
46	Epinephrine Does Not Influence Baroreflex Sensitivity During Lower Body Negative Pressure to Physiological Tolerance. <i>FASEB Journal</i> , 2017, 31, .	0.2	0
47	Neurovascular control of blood pressure is influenced by aging, sex, and sex hormones. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1271-R1275.	0.9	64
48	Albuterol Improves Alveolar-Capillary Membrane Conductance in Healthy Humans. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2016, 10, CCRPM.S30251.	0.5	3
49	The relationship between cardiac hemodynamics and exercise tolerance in cystic fibrosis. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2016, 45, 283-290.	0.8	8
50	The Coupling of Peripheral Blood Pressure and Ventilatory Responses during Exercise in Young Adults with Cystic Fibrosis. <i>PLoS ONE</i> , 2016, 11, e0168490.	1.1	4
51	Impaired cardiac and peripheral hemodynamic responses to inhaled β_2 -agonist in cystic fibrosis. <i>Respiratory Research</i> , 2015, 16, 103.	1.4	11
52	Effects of exercise intensity compared to albuterol in individuals with cystic fibrosis. <i>Respiratory Medicine</i> , 2015, 109, 463-474.	1.3	10
53	Moderate intensity exercise mediates comparable increases in exhaled chloride as albuterol in individuals with cystic fibrosis. <i>Respiratory Medicine</i> , 2015, 109, 1001-1011.	1.3	12
54	Influence of Circulating Catecholamines on Cardiovascular Function at Rest and During Exercise in Cystic Fibrosis. <i>FASEB Journal</i> , 2015, 29, 674.4.	0.2	0

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55	Relaxation Breathing Improves Human Glycemic Response. Journal of Alternative and Complementary Medicine, 2013, 19, 633-636.	2.1	3
56	Cardiovascular Response to an Inhaled β_2 -Agonist in Patients with Heart failure, Effect of β_1 -Blockade. FASEB Journal, 2013, 27, 1126.5.	0.2	0
57	Genetic Variation of SCNN1A Influences Lung Diffusing Capacity in Cystic Fibrosis. Medicine and Science in Sports and Exercise, 2012, 44, 2315-2321.	0.2	8
58	Glycemic Response of Type 2 Diabetics to Raisins. Food and Nutrition Sciences (Print), 2012, 03, 1162-1166.	0.2	4
59	Genetic variation of β_1 ENaC influences lung diffusion during exercise in humans. Respiratory Physiology and Neurobiology, 2011, 179, 212-218.	0.7	12
60	Genetic variation of the alpha subunit of the epithelial Na^+ channel influences exhaled Na^+ in healthy humans. Respiratory Physiology and Neurobiology, 2011, 179, 205-211.	0.7	6
61	Endothelin-1 as a novel target for the prevention of metabolic dysfunction with intermittent hypoxia in male participants. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 0, , .	0.9	1