

Sophie Lalande

List of Publications by Year in descending order

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49
papers

638
citations

623574

14
h-index

610775

24
g-index

49
all docs

49
docs citations

49
times ranked

994
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulmonary vascular distensibility predicts aerobic capacity in healthy individuals. <i>Journal of Physiology</i> , 2012, 590, 4279-4288.	1.3	84
2	Reduced Leg Blood Flow during Submaximal Exercise in Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 612-617.	0.2	77
3	Diastolic dysfunction: A link between hypertension and heart failure. <i>Drugs of Today</i> , 2008, 44, 503.	0.7	50
4	Effect of age on the hemodynamic and sympathetic responses at the onset of isometric handgrip exercise. <i>Journal of Applied Physiology</i> , 2014, 116, 222-227.	1.2	36
5	Effects of aging and coronary artery disease on sympathetic neural recruitment strategies during end-inspiratory and end-expiratory apnea. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1040-H1050.	1.5	33
6	In vivo estimates of NO and CO conductance for haemoglobin and for lung transfer in humans. <i>Respiratory Physiology and Neurobiology</i> , 2016, 228, 1-8.	0.7	29
7	Effects of 6 Months of Exercise-Based Cardiac Rehabilitation on Autonomic Function and Neuro-Cardiovascular Stress Reactivity in Coronary Artery Disease Patients. <i>Journal of the American Heart Association</i> , 2019, 8, e012257.	1.6	23
8	Left Ventricular Mass in Elite Olympic Weight Lifters. <i>American Journal of Cardiology</i> , 2007, 100, 1177-1180.	0.7	22
9	Impact of Menstrual Blood Loss and Oral Contraceptive Use on Oxygen-carrying Capacity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1414-1419.	0.2	20
10	The interactions between respiratory and cardiovascular systems in systolic heart failure. <i>Journal of Applied Physiology</i> , 2020, 128, 214-224.	1.2	20
11	The effects of sildenafil and acetazolamide on breathing efficiency and ventilatory control during hypoxic exercise. <i>European Journal of Applied Physiology</i> , 2009, 106, 509-515.	1.2	19
12	Effect of changes in intrathoracic pressure on cardiac function at rest and during moderate exercise in health and heart failure. <i>Experimental Physiology</i> , 2012, 97, 248-256.	0.9	19
13	Exercise Intolerance in Heart Failure: Central Role for the Pulmonary System. <i>Exercise and Sport Sciences Reviews</i> , 2020, 48, 11-19.	1.6	17
14	Effect of supine posture on airway blood flow and pulmonary function in stable heart failure. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 269-274.	0.7	16
15	Postural differences in hemodynamics and diastolic function in healthy older men. <i>European Journal of Applied Physiology</i> , 2007, 99, 651-657.	1.2	15
16	Four-Second Power Cycling Training Increases Maximal Anaerobic Power, Peak Oxygen Consumption, and Total Blood Volume. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2536-2542.	0.2	15
17	Influence of bronchial blood flow and conductance on pulmonary function in stable systolic heart failure. <i>Respiratory Physiology and Neurobiology</i> , 2011, 177, 256-264.	0.7	14
18	Short exposure to intermittent hypoxia increases erythropoietin levels in healthy individuals. <i>Journal of Applied Physiology</i> , 2021, 130, 1955-1960.	1.2	14

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19	Ventilatory Expired Gas at Constant-Rate Low-Intensity Exercise Predicts Adverse Events and is Related to Neurohormonal Markers in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2009, 15, 482-488.	0.7	12
20	Pulmonary vascular function and exercise capacity in black sub-Saharan Africans. <i>Journal of Applied Physiology</i> , 2015, 119, 502-507.	1.2	12
21	Hypoxic preconditioning attenuates ischemia-reperfusion injury in young healthy adults. <i>Journal of Applied Physiology</i> , 2021, 130, 846-852.	1.2	12
22	Physiologic +G_z Tolerance Responses Over Successive +G_z Exposures in Simulated Air Combat Maneuvers. <i>Aviation, Space, and Environmental Medicine</i> , 2009, 80, 1032-1038.	0.6	11
23	Expiratory Loading Improves Cardiac Output during Exercise in Heart Failure. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2309-2314.	0.2	11
24	Effects of Interval Walking on Physical Fitness in Middle-Aged Individuals. <i>Journal of Primary Care and Community Health</i> , 2010, 1, 104-110.	1.0	10
25	The link between exercise and titin passive stiffness. <i>Experimental Physiology</i> , 2017, 102, 1055-1066.	0.9	8
26	Sex difference in the influence of central blood volume mobilization on the exercise pressor response. <i>European Journal of Applied Physiology</i> , 2015, 115, 2653-2660.	1.2	7
27	Effect of a Single Session of Intermittent Hypoxia on Erythropoietin and Oxygen-Carrying Capacity. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7257.	1.2	6
28	Effect of virtual reality-simulated exercise on sympathovagal balance. <i>PLoS ONE</i> , 2020, 15, e0235792.	1.1	5
29	Influence of ischemia-reperfusion injury on endothelial function in men and women with similar serum estradiol concentrations. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R273-R278.	0.9	5
30	Response characteristics of esophageal balloon catheters handmade using latex and nonlatex materials. <i>Physiological Reports</i> , 2015, 3, e12426.	0.7	4
31	Aging is associated with enhanced central, but impaired peripheral arms of the sympathetic baroreflex arc. <i>Journal of Applied Physiology</i> , 0, , .	1.2	4
32	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
33	The shear complexity of insulin-stimulated vasodilatation. <i>Journal of Physiology</i> , 2019, 597, 11-11.	1.3	2
34	The Effect of the Menstrual Cycle on Hemoglobin Mass. <i>FASEB Journal</i> , 2019, 33, 840.3.	0.2	2
35	The impact of 6 months of exercise-based cardiac rehabilitation on sympathetic neural recruitment during apneic stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R174-R185.	0.9	1
36	Short Exposure to Intermittent Hypoxia Increases Erythropoietin Levels in Healthy Individuals. <i>FASEB Journal</i> , 2021, 35, .	0.2	0

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37	Aging Resets the Spontaneous Baroreflex Control of Sympathetic Action Potential Subpopulations in Humans. FASEB Journal, 2021, 35, .	0.2	0
38	Reduction in Aerobic Capacity and Cardiac Output in Diabetic Adolescents. Medicine and Science in Sports and Exercise, 2007, 39, S54.	0.2	0
39	The effects of sildenafil and acetazolamide on breathing efficiency during hypoxic exercise. FASEB Journal, 2008, 22, 1173.13.	0.2	0
40	Effect of a Single Session of Intermittent Hypoxia on Erythropoietin and Oxygenâ€Carrying Capacity. FASEB Journal, 2020, 34, 1-1.	0.2	0
41	Effect of Intermittent Hypoxia on Ischemicâ€Reperfusion Injury in Healthy Individuals. FASEB Journal, 2020, 34, 1-1.	0.2	0
42	Effect of virtual reality-simulated exercise on sympathovagal balance. , 2020, 15, e0235792.		0
43	Effect of virtual reality-simulated exercise on sympathovagal balance. , 2020, 15, e0235792.		0
44	Effect of virtual reality-simulated exercise on sympathovagal balance. , 2020, 15, e0235792.		0
45	Effect of virtual reality-simulated exercise on sympathovagal balance. , 2020, 15, e0235792.		0
46	Effect of virtual reality-simulated exercise on sympathovagal balance. , 2020, 15, e0235792.		0
47	Effect of virtual reality-simulated exercise on sympathovagal balance. , 2020, 15, e0235792.		0
48	Hypoxic Preconditioning Attenuates Ischemiaâ€Reperfusion Injury in Older Adults. FASEB Journal, 2022, 36, .	0.2	0
49	Acute Effect of Intermittent Hypoxia on Peripheral Vascular Function in Young Healthy Adults. FASEB Journal, 2022, 36, .	0.2	0