

# Sophie Lalande

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

454  
citations

13  
h-index

20  
g-index

49  
ext. papers

540  
ext. citations

2.5  
avg, IF

3.72  
L-index

#	Paper	IF	Citations
43	Pulmonary vascular distensibility predicts aerobic capacity in healthy individuals. <i>Journal of Physiology</i> , <b>2012</b> , 590, 4279-88	3.9	71
42	Reduced leg blood flow during submaximal exercise in type 2 diabetes. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 612-7	1.2	63
41	Diastolic dysfunction: a link between hypertension and heart failure. <i>Drugs of Today</i> , <b>2008</b> , 44, 503-13	2.5	40
40	Effect of age on the hemodynamic and sympathetic responses at the onset of isometric handgrip exercise. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 222-7	3.7	31
39	In vivo estimates of NO and CO conductance for haemoglobin and for lung transfer in humans. <i>Respiratory Physiology and Neurobiology</i> , <b>2016</b> , 228, 1-8	2.8	25
38	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> , <b>2016</b> , 311, H1040-H1050	5.2	23
37	Left ventricular mass in elite olympic weight lifters. <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 1177-80	3	17
36	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> , <b>2019</b> , 8, e012257	6	16
35	The effects of sildenafil and acetazolamide on breathing efficiency and ventilatory control during hypoxic exercise. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 106, 509-15	3.4	16
34	Effect of changes in intrathoracic pressure on cardiac function at rest and during moderate exercise in health and heart failure. <i>Experimental Physiology</i> , <b>2012</b> , 97, 248-56	2.4	15
33	Effect of supine posture on airway blood flow and pulmonary function in stable heart failure. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 178, 269-74	2.8	15
32	Influence of bronchial blood flow and conductance on pulmonary function in stable systolic heart failure. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 177, 256-64	2.8	14
31	Postural differences in hemodynamics and diastolic function in healthy older men. <i>European Journal of Applied Physiology</i> , <b>2007</b> , 99, 651-7	3.4	13
30	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> , <b>2009</b> , 15, 482-8	3.3	12
29	Pulmonary vascular function and exercise capacity in black sub-Saharan Africans. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 502-7	3.7	9
28	Effects of interval walking on physical fitness in middle-aged individuals. <i>Journal of Primary Care and Community Health</i> , <b>2010</b> , 1, 104-10	2.1	9
27	Expiratory loading improves cardiac output during exercise in heart failure. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 2309-14	1.2	9

26	Impact of Menstrual Blood Loss and Oral Contraceptive Use on Oxygen-carrying Capacity. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1414-1419	1.2	9
25	Exercise Intolerance in Heart Failure: Central Role for the Pulmonary System. <i>Exercise and Sport Sciences Reviews</i> , <b>2020</b> , 48, 11-19	6.7	8
24	The link between exercise and titin passive stiffness. <i>Experimental Physiology</i> , <b>2017</b> , 102, 1055-1066	2.4	6
23	Sex difference in the influence of central blood volume mobilization on the exercise pressor response. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 2653-60	3.4	5
22	Physiologic +Gz tolerance responses over successive +Gz exposures in simulated air combat maneuvers. <i>Aviation, Space, and Environmental Medicine</i> , <b>2009</b> , 80, 1032-8		5
21	The interactions between respiratory and cardiovascular systems in systolic heart failure. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 214-224	3.7	5
20	Response characteristics of esophageal balloon catheters handmade using latex and nonlatex materials. <i>Physiological Reports</i> , <b>2015</b> , 3, e12426	2.6	4
19	Hypoxic preconditioning attenuates ischemia-reperfusion injury in young healthy adults. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 846-852	3.7	3
18	Albuterol Improves Alveolar-Capillary Membrane Conductance in Healthy Humans. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , <b>2016</b> , 10, 19-25	3.4	2
17	Effect of a Single Session of Intermittent Hypoxia on Erythropoietin and Oxygen-Carrying Capacity. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
16	Short exposure to intermittent hypoxia increases erythropoietin levels in healthy individuals. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 1955-1960	3.7	2
15	The shear complexity of insulin-stimulated vasodilatation. <i>Journal of Physiology</i> , <b>2019</b> , 597, 11	3.9	2
14	Effect of virtual reality-simulated exercise on sympathovagal balance. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235792	3.7	1
13	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> , <b>2021</b> , 321, R174-R185	3.2	1
12	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> , <b>2021</b> , 53, 2536-2542	1.2	1
11	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> , <b>2021</b> , 321, R273-R278	3.2	0
10	Effect of a Single Session of Intermittent Hypoxia on Erythropoietin and Oxygen-Carrying Capacity. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
9	Effect of Intermittent Hypoxia on Ischemic-Reperfusion Injury in Healthy Individuals. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	

- 8 The effects of sildenafil and acetazolamide on breathing efficiency during hypoxic exercise. *FASEB Journal*, **2008**, 22, 1173.13 0.9
- 7 The Effect of the Menstrual Cycle on Hemoglobin Mass. *FASEB Journal*, **2019**, 33, 840.3 0.9
- 6 Effect of virtual reality-simulated exercise on sympathovagal balance **2020**, 15, e0235792
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- 1 Effect of virtual reality-simulated exercise on sympathovagal balance **2020**, 15, e0235792