Vincent Pialoux

List of Publications by Year
in descending order

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70	2,140	279798	243625
papers	citations	23 h-index	44 g-index

74	74	74	3240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive Responses to Hypoxia and/or Hyperoxia in Humans. Antioxidants and Redox Signaling, 2022, 37, 887-912.	5.4	51
2	Effectiveness of an individualized home-based physical activity program in surgery-free non-endarterectomized asymptomatic stroke patients: a study protocol for the PACAPh interventional randomized trial. Trials, 2022, 23, 145.	1.6	3
3	Effect of acute aerobic exercise before immunotherapy and chemotherapy infusion in patients with metastatic non-small-cell lung cancer: protocol for the ERICA feasibility trial. BMJ Open, 2022, 12, e056819.	1.9	6
4	Cortical inflammation and brain signs of high-risk atherosclerosis in a non-human primate model. Brain Communications, 2021, 3, fcab064.	3.3	2
5	Impact of obstructive sleep apnea and intermittent hypoxia on blood rheology â€“ a translational study. European Respiratory Journal, 2021, 58, 2100352.	6.7	10
6	The TOTUM-63 Supplement and High-Intensity Interval Training Combination Limits Weight Gain, Improves Glycemic Control, and Influences the Composition of Gut Mucosa-Associated Bacteria in Rats on a High Fat Diet. Nutrients, 2021, 13, 1569.	4.1	13
7	Sarcopenia and serum biomarkers of oxidative stress after a 6-month physical activity intervention in women with metastatic breast cancer: results from the ABLE feasibility trial. Breast Cancer Research and Treatment, 2021, 188, 601-613.	2.5	16
8	Highâ€intensity exercise in hypoxia improves endothelial function via increased nitric oxide bioavailability in C57BL/6 mice. Acta Physiologica, 2021, 233, e13700.	3.8	11
9	Impact of Physical Activity on Oxidative Stress Markers in Patients with Metastatic Breast Cancer. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-9.	4.0	9
10	Beneficial Effects of High Intensity Interval Training and/or Linseed Oil Supplementation to Limit Obesity-Induced Oxidative Stress in High Fat Diet-Fed Rats. Nutrients, 2021, 13, 3531.	4.1	3
11	Association between physical activity and sedentary behaviour on carotid atherosclerotic plaques: an epidemiological and histological study in 90 asymptomatic patients. British Journal of Sports Medicine, 2020, 54, 469-474.	6.7	7
12	Physical activity preferences before and after participation in a 6â€month physical activity intervention among women with metastatic breast cancer. European Journal of Cancer Care, 2020, 29, e13169.	1.5	16
13	Effects of hypoxiaâ€“reoxygenation stimuli on renal redox status and nuclear factor erythroid 2â€related factor 2 pathway in sickle cell SAD mice. Experimental Physiology, 2020, 105, 357-369.	2.0	0
14	Carotid intraplaque haemorrhage: pathogenesis, histological classification, imaging methods and clinical value. Annals of Translational Medicine, 2020, 8, 1273-1273.	1.7	26
15	Role of Gender and Physical Activity Level on Cardiovascular Risk Factors and Biomarkers of Oxidative Stress in the Elderly. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-9.	4.0	6
16	Alterations in vascular reactivity in a transgenic mouse model of sickle cell trait. British Journal of Haematology, 2020, 189, e154-e157.	2.5	2
17	Effect of pre-term birth on oxidative stress responses to normoxic and hypoxic exercise. Redox Biology, 2020, 32, 101497.	9.0	12
18	Design and methods of a national, multicenter, randomized and controlled trial to assess the efficacy of a physical activity program to improve health-related quality of life and reduce fatigue in women with metastatic breast cancer: ABLE02 trial. BMC Cancer, 2020, 20, 622.	2.6	5

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19	Cardio-respiratory, oxidative stress and acute mountain sickness responses to normobaric and hypobaric hypoxia in prematurely born adults. European Journal of Applied Physiology, 2020, 120, 1341-1355.	2.5	8
20	Feasibility and Health Benefits of an Individualized Physical Activity Intervention in Women With Metastatic Breast Cancer: Intervention Study. JMIR MHealth and UHealth, 2020, 8, e12306.	3.7	27
21	Protective roles of estradiol against vascular oxidative stress in ovariectomized female rats exposed to normoxia or intermittent hypoxia. Acta Physiologica, 2019, 225, e13159.	3.8	23
22	Tissue-Specific Oxidative Stress Modulation by Exercise: A Comparison between MICT and HIIT in an Obese Rat Model. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	4.0	25
23	Effects of Individualized Treadmill Endurance Training on Oxidative Stress in Skeletal Muscles of Transgenic Sickle Mice. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-9.	4.0	7
24	Receptor for Advanced Glycation End Products Antagonism Blunts Kidney Damage in Transgenic Townes Sickle Mice. Frontiers in Physiology, 2019, 10, 880.	2.8	8
25	Exercise Overrides Blunted Hypoxic Ventilatory Response in Prematurely Born Men. Frontiers in Physiology, 2019, 10, 437.	2.8	20
26	Evaluation of agreement between hemoglobin A1c, fasting glucose, and fructosamine in Senegalese individuals with and without sickle-cell trait. PLoS ONE, 2019, 14, e0212552.	2.5	12
27	Ischaemiaâ€induced muscle metabolic abnormalities are poorly alleviated by endurance training in a mouse model of sickle cell disease. Experimental Physiology, 2019, 104, 398-406.	2.0	0
28	Does physical activity increase or decrease the risk of sickle cell disease complications?. British Journal of Sports Medicine, 2018, 52, 214-218.	6.7	29
29	Blood rheology in children with the S/Î²+-thalassemia syndrome. Clinical Hemorheology and Microcirculation, 2018, 69, 207-214.	1.7	6
30	Association between Oxidative Stress, Genetic Factors, and Clinical Severity in Children with Sickle Cell Anemia. Journal of Pediatrics, 2018, 195, 228-235.	1.8	21
31	Sickle-cell trait and diagnosis of type 2 diabetes. Lancet Diabetes and Endocrinology,the, 2018, 6, 840-843.	11.4	10
32	Moderate exercise training decreases inflammation in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2018, 69, 45-52.	1.4	16
33	Endurance training reduces exercise-induced acidosis and improves muscle function in a mouse model of sickle cell disease. Molecular Genetics and Metabolism, 2018, 123, 400-410.	1.1	15
34	Oxidative Stress and Inflammation, Key Targets of Atherosclerotic Plaque Progression and Vulnerability: Potential Impact of Physical Activity. Sports Medicine, 2018, 48, 2725-2741.	6.5	64
35	Increased Prevalence of Type 2 Diabetesâ€"Related Complications in Combined Type 2 Diabetes and Sickle Cell Trait. Diabetes Care, 2018, 41, 2595-2602.	8.6	23
36	Exacerbated metabolic changes in skeletal muscle of sickle cell mice submitted to an acute ischemiaâ€"reperfusion paradigm. Clinical Science, 2018, 132, 2103-2115.	4.3	1

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37	Preterm birth and oxidative stress: Effects of acute physical exercise and hypoxia physiological responses. Redox Biology, 2018, 17, 315-322.	9.0	41
38	A Personalized Physical Activity Program With Activity Trackers and a Mobile Phone App for Patients With Metastatic Breast Cancer: Protocol for a Single-Arm Feasibility Trial. JMIR Research Protocols, 2018, 7, e10487.	1.0	18
39	Association between oxidative stress and vascular reactivity in children with sickle cell anaemia and sickle haemoglobin C disease. British Journal of Haematology, 2017, 178, 468-475.	2.5	19
40	Estradiol Protects Against Cardiorespiratory Dysfunctions and Oxidative Stress in Intermittent Hypoxia. Sleep, 2017, 40, .	1.1	52
41	Redox Control of Skeletal Muscle Regeneration. Antioxidants and Redox Signaling, 2017, 27, 276-310.	5.4	124
42	Impact of physical activity and sedentary behavior on biological risk factors of carotid atherosclerotic plaque instability. Atherosclerosis, 2017, 263, e150.	0.8	1
43	Hypoxia-Induced Oxidative Stress Modulation with Physical Activity. Frontiers in Physiology, 2017, 8, 84.	2.8	108
44	Plasma Exosomes and Improvements in Endothelial Function by Angiotensin 2 Type 1 Receptor or Cyclooxygenase 2 Blockade following Intermittent Hypoxia. Frontiers in Neurology, 2017, 8, 709.	2.4	17
45	Effect of Age on Blood Rheology in Sickle Cell Anaemia and Sickle Cell Haemoglobin C Disease: A Cross-Sectional Study. PLoS ONE, 2016, 11, e0158182.	2.5	31
46	Exercise Does Not Protect against Peripheral and Central Effects of a High Cholesterol Diet Given Ad libitum in Old ApoEâ^'/â^' Mice. Frontiers in Physiology, 2016, 7, 453.	2.8	14
47	<scp>G</scp>6<scp>PD</scp> deficiency and absence of Î±â€thalassemia increase the risk for cerebral vasculopathy in children with sickle cell anemia. European Journal of Haematology, 2016, 96, 404-408.	2.2	35
48	Inflammatory and oxidative stress phenotypes in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2016, 62, 13-21.	1.4	21
49	Effects of exercise on markers of oxidative stress: an Ancillary analysis of the Alberta Physical Activity and Breast Cancer Prevention Trial. BMJ Open Sport and Exercise Medicine, 2016, 2, e000171.	2.9	26
50	FemHab: The effects of bed rest and hypoxia on oxidative stress in healthy women. Journal of Applied Physiology, 2016, 120, 930-938.	2.5	17
51	Magnetic resonance imaging biomarkers of exerciseâ€induced improvement of oxidative stress and inflammation in the brain of old highâ€fatâ€fed ApoE^{â^'/â^'} mice. Journal of Physiology, 2016, 594, 6969-6985.	2.9	15
52	Role of Exercise-Induced Oxidative Stress in Sickle Cell Trait and Disease. Sports Medicine, 2016, 46, 629-639.	6.5	14
53	Prooxidant/Antioxidant Balance in Hypoxia: A Cross-Over Study on Normobaric vs. Hypobaric â€œLive High-Train Lowâ€• PLoS ONE, 2015, 10, e0137957.	2.5	30
54	Oxidative stress is decreased in physically active sickle cell <scp>SAD</scp> mice. British Journal of Haematology, 2015, 168, 747-756.	2.5	27

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55	Sickle Cell Trait Worsens Oxidative Stress, Abnormal Blood Rheology, and Vascular Dysfunction in Type 2 Diabetes. Diabetes Care, 2015, 38, 2120-2127.	8.6	33
56	Moderate endurance exercise in patients with sickle cell anaemia: effects on oxidative stress and endothelial activation. British Journal of Haematology, 2014, 164, 124-130.	2.5	37
57	Moderate Exercise Blunts Oxidative Stress Induced by Normobaric Hypoxic Confinement. Medicine and Science in Sports and Exercise, 2014, 46, 33-41.	0.4	37
58	Physical activity limits pulmonary endothelial activation in sickle cell SAD mice. Blood, 2014, 123, 2745-2747.	1.4	16
59	Ventilation, Oxidative Stress, and Nitric Oxide in Hypobaric versus Normobaric Hypoxia. Medicine and Science in Sports and Exercise, 2013, 45, 253-260.	0.4	108
60	Evidence for Differences Between Hypobaric and Normobaric Hypoxia Is Conclusive. Exercise and Sport Sciences Reviews, 2013, 41, 133.	3.0	24
61	Point: Counterpoint: Hypobaric hypoxia induces/does not induce different responses from normobaric hypoxia. Journal of Applied Physiology, 2012, 112, 1783-1784.	2.5	158
62	Exercise training blunts oxidative stress in sickle cell trait carriers. Journal of Applied Physiology, 2012, 112, 1445-1453.	2.5	38
63	Role of oxidative stress in the pathogenesis of sickle cell disease. IUBMB Life, 2012, 64, 72-80.	3.4	165
64	Losartan abolishes oxidative stress induced by intermittent hypoxia in humans. Journal of Physiology, 2011, 589, 5529-5537.	2.9	44
65	Pulmonary arterial systolic pressure and susceptibility to high altitude pulmonary edema. Respiratory Physiology and Neurobiology, 2011, 179, 294-299.	1.6	11
66	Effects of Exposure to Intermittent Hypoxia on Oxidative Stress and Acute Hypoxic Ventilatory Response in Humans. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 1002-1009.	5.6	149
67	Effect of Cardiorespiratory Fitness on Vascular Regulation and Oxidative Stress in Postmenopausal Women. Hypertension, 2009, 54, 1014-1020.	2.7	77
68	Relationship between oxidative stress and HIF-1Î± mRNA during sustained hypoxia in humans. Free Radical Biology and Medicine, 2009, 46, 321-326.	2.9	115
69	Effect of 4 days of intermittent hypoxia on oxidative stress in healthy men. FASEB Journal, 2008, 22, 960.3.	0.5	2
70	Relationships between oxidative stress, HIFâ€1Î± transcription, erythropoietin and vascular endothelial growth factor during sustained hypoxia in humans. FASEB Journal, 2008, 22, 960.16.	0.5	0