Laurent A Messonnier

List of Publications by Year
in descending order

27 papers	642 citations	623734 14 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	685 citing authors

#	Article	IF	Citations
1	Lower Muscle and Blood Lactate Accumulation in Sickle Cell Trait Carriers in Response to Short High-Intensity Exercise. Nutrients, 2022, 14, 501.	4.1	2
2	Mitochondrial function in sickle cell disease. Blood, 2022, 139, 1616-1617.	1.4	1
3	Skeletal Muscle Satellite Cells in Sickle Cell Disease Patients and Their Responses to a Moderate-intensity Endurance Exercise Training Program. Journal of Histochemistry and Cytochemistry, 2022, 70, 415-426.	2.5	0
4	Preventive measures for the critical postexercise period in sickle cell trait and disease. Journal of Applied Physiology, 2021, 130, 485-490.	2.5	3
5	In vivo muscle function and energetics in women with sickle cell anemia or trait: a 31P-magnetic resonance spectroscopy study. Journal of Applied Physiology, 2021, 130, 737-745.	2.5	1
6	Modelling of Blood Lactate Time-Courses During Exercise and/or the Subsequent Recovery: Limitations and Few Perspectives. Frontiers in Physiology, 2021, 12, 702252.	2.8	5
7	Muscle structural, energetic and functional benefits of endurance exercise training in sickle cell disease. American Journal of Hematology, 2020, 95, 1257-1268.	4.1	9
8	Beneficial effects of endurance exercise training on skeletal muscle microvasculature in sickle cell disease patients. Blood, 2019, 134, 2233-2241.	1.4	19
9	Physiological Evaluation for Endurance Exercise Prescription in Sickle Cell Disease. Medicine and Science in Sports and Exercise, 2019, 51, 1795-1801.	0.4	10
10	How Sickle Cell Disease Impairs Skeletal Muscle Function: Implications in Daily Life. Medicine and Science in Sports and Exercise, 2019, 51, 4-11.	0.4	20
11	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
12	Moderate-intensity endurance-exercise training in patients with sickle-cell disease without severe chronic complications (EXDRE): an open-label randomised controlled trial. Lancet Haematology,the, 2018, 5, e554-e562.	4.6	26
13	Do we have to consider acidosis induced by exercise as deleterious in sickle cell disease?. Experimental Physiology, 2018, 103, 1213-1220.	2.0	11
14	Impaired muscle force production and higher fatigability in a mouse model of sickle cell disease. Blood Cells, Molecules, and Diseases, 2017, 63, 37-44.	1.4	14
15	Role of MCT1 and CAII in skeletal muscle pH homeostasis, energetics, and function:<i>in vivo</i>insights from MCT1 haploinsufficient mice. FASEB Journal, 2017, 31, 2562-2575.	0.5	21
16	Moderate and intense muscular exercises induce marked intramyocellular metabolic acidosis in sickle cell disease mice. Journal of Applied Physiology, 2017, 122, 1362-1369.	2.5	15
17	Muscle MCT4 Content Is Correlated with the Lactate Removal Ability during Recovery Following All-Out Supramaximal Exercise in Highly-Trained Rowers. Frontiers in Physiology, 2016, 7, 223.	2.8	10
18	Lactate recovery kinetics in response to high-intensity exercises. European Journal of Applied Physiology, 2016, 116, 1455-1465.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Evidence for a Profound Remodeling of Skeletal Muscle and Its Microvasculature in Sickle Cell Anemia. American Journal of Pathology, 2015, 185, 1448-1456.	3.8	37
20	Direct and indirect lactate oxidation in trained and untrained men. Journal of Applied Physiology, 2013, 115, 829-838.	2.5	49
21	Lactate kinetics at the lactate threshold in trained and untrained men. Journal of Applied Physiology, 2013, 114, 1593-1602.	2.5	116
22	Gluconeogenesis and hepatic glycogenolysis during exercise at the lactate threshold. FASEB Journal, 2013, 27, 1132.2.	0.5	0
23	Skeletal muscle structural and energetic characteristics in subjects with sickle cell trait, Î±-thalassemia, or dual hemoglobinopathy. Journal of Applied Physiology, 2010, 109, 728-734.	2.5	16
24	Remodeling of skeletal muscle microvasculature in sickle cell trait and Î±-thalassemia. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H375-H384.	3.2	35
25	Importance of pH regulation and lactate/H+ transport capacity for work production during supramaximal exercise in humans. Journal of Applied Physiology, 2007, 102, 1936-1944.	2.5	110
26	Blood lactate exchange and removal abilities after relative high-intensity exercise: effects of training in normoxia and hypoxia. European Journal of Applied Physiology, 2001, 84, 403-412.	2.5	44
27	Lactate exchange and removal abilities in rowing performance. Medicine and Science in Sports and Exercise, 1997, 29, 396-401.	0.4	44