

# Matthew T Lewis

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

13  
papers

72  
citations

7  
h-index

8  
g-index

16  
ext. papers

119  
ext. citations

3  
avg, IF

2.45  
L-index

#	Paper	IF	Citations
13	Measuring Mitochondrial Function: From Organelle to Organism. <i>Methods in Molecular Biology</i> , <b>2022</b> , 141-172	1.4	1
12	Impact of presymptomatic COVID-19 on vascular and skeletal muscle function: a case study. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 1961-1970	3.7	7
11	Acute high-intensity exercise and skeletal muscle mitochondrial respiratory function: role of metabolic perturbation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 321, R687-R698	3.2	0
10	Shifted vascular optimization: the emergence of a new arteriolar behaviour with chronic metabolic disease. <i>Experimental Physiology</i> , <b>2020</b> , 105, 1431-1439	2.4	0
9	Skeletal muscle energetics are compromised only during high-intensity contractions in the Goto-Kakizaki rat model of type 2 diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R356-R368	3.2	4
8	The hypertension advantage and natural selection: Since type 2 diabetes associates with co-morbidities and premature death, why have the genetic variants remained in the human genome?. <i>Medical Hypotheses</i> , <b>2019</b> , 129, 109237	3.8	2
7	Transient receptor potential vanilloid 4 channels are important regulators of parenchymal arteriole dilation and cognitive function. <i>Microcirculation</i> , <b>2019</b> , 26, e12535	2.9	9
6	Quantification of Mitochondrial Oxidative Phosphorylation in Metabolic Disease: Application to Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	12
5	Skeletal Muscle Mitochondrial Function in Goto-Kakizaki Rat Model of Type 2 Diabetes. <i>FASEB Journal</i> , <b>2019</b> , 33, 701.7	0.9	
4	Type 2 diabetes mellitus in the Goto-Kakizaki rat impairs microvascular function and contributes to premature skeletal muscle fatigue. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 626-637	3.7	10
3	Skeletal muscle performance in metabolic disease: Microvascular or mitochondrial limitation or both?. <i>Microcirculation</i> , <b>2019</b> , 26, e12517	2.9	8
2	Obesity and inactivity, not hyperglycemia, cause exercise intolerance in individuals with type 2 diabetes: Solving the obesity and inactivity versus hyperglycemia causality dilemma. <i>Medical Hypotheses</i> , <b>2019</b> , 123, 110-114	3.8	7
1	Chronic atorvastatin and exercise can partially reverse established skeletal muscle microvasculopathy in metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H855-H870	5.2	9