

Luke J Haseler

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,512
citations

236925

25
h-index

197818

49
g-index

53
all docs

53
docs citations

53
times ranked

2966
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal muscle phosphocreatine recovery in exercise-trained humans is dependent on O_2 availability. <i>Journal of Applied Physiology</i> , 1999, 86, 2013-2018.	2.5	260
2	Human muscle performance and PCr hydrolysis with varied inspired oxygen fractions: a ^{31}P -MRS study. <i>Journal of Applied Physiology</i> , 1999, 86, 1367-1373.	2.5	228
3	1H MRS in acute traumatic brain injury. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 829-840.	3.4	207
4	Reduced Mechanical Efficiency in Chronic Obstructive Pulmonary Disease but Normal Peak $\dot{V}O_2$ with Small Muscle Mass Exercise. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 169, 89-96.	5.6	154
5	Phosphocreatine hydrolysis during submaximal exercise: the effect of FIO_2 . <i>Journal of Applied Physiology</i> , 1998, 85, 1457-1463.	2.5	124
6	Adenosine and its receptors in the heart: Regulation, retaliation and adaptation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1413-1428.	2.6	112
7	Dynamic imaging of perfusion in human skeletal muscle during exercise with arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 258-267.	3.0	110
8	Effect of prolonged, heavy exercise on pulmonary gas exchange in athletes. <i>Journal of Applied Physiology</i> , 1998, 85, 1523-1532.	2.5	101
9	Use of Three-Dimensional Speckle-Tracking Echocardiography for Quantitative Assessment of Global Left Ventricular Function: A Comparative Study to Three-Dimensional Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 285-291.	2.8	91
10	Increased $\dot{V}E_{TM}$ $_{O_2}$ $_{max}$ with right-shifted Hb- O_2 dissociation curve at a constant O_2 delivery in dog muscle in situ. <i>Journal of Applied Physiology</i> , 1998, 84, 995-1002.	2.5	89
11	Local perfusion and metabolic demand during exercise: a noninvasive MRI method of assessment. <i>Journal of Applied Physiology</i> , 2001, 91, 1845-1853.	2.5	80
12	Skeletal muscle oxidative metabolism in sedentary humans: ^{31}P -MRS assessment of O_2 supply and demand limitations. <i>Journal of Applied Physiology</i> , 2004, 97, 1077-1081.	2.5	77
13	Time course-dependent changes in the transcriptome of human skeletal muscle during recovery from endurance exercise: from inflammation to adaptive remodeling. <i>Journal of Applied Physiology</i> , 2014, 116, 274-287.	2.5	64
14	The role of oxygen in determining phosphocreatine onset kinetics in exercising humans. <i>Journal of Physiology</i> , 2004, 558, 985-992.	2.9	62
15	Spin-spin relaxation of brain tissues in systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 1995, 38, 810-818.	6.7	60
16	Influence of exercise intensity and duration on functional and biochemical perturbations in the human heart. <i>Journal of Physiology</i> , 2016, 594, 3031-3044.	2.9	54
17	Transcriptome analysis of neutrophils after endurance exercise reveals novel signaling mechanisms in the immune response to physiological stress. <i>Journal of Applied Physiology</i> , 2013, 114, 1677-1688.	2.5	52
18	Reproducibility of Regional and Global Longitudinal Strains Derived from Two-Dimensional Speckle-Tracking and Doppler Tissue Imaging between Expert and Novice Readers during Quantitative Dobutamine Stress Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 880-887.	2.8	49

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19	Evaluation of a 7-Gene Genetic Profile for Athletic Endurance Phenotype in Ironman Championship Triathletes. PLoS ONE, 2015, 10, e0145171.	2.5	44
20	Syringe and Needle Size, Syringe Type, Vacuum Generation, and Needle Control in Aspiration Procedures. CardioVascular and Interventional Radiology, 2011, 34, 590-600.	2.0	38
21	Evidence that a higher ATP cost of muscular contraction contributes to the lower mechanical efficiency associated with COPD: preliminary findings. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1142-R1147.	1.8	38
22	Maximal Leg-Strength Training Improves Cycling Economy in Previously Untrained Men. Medicine and Science in Sports and Exercise, 2005, 37, 1231-1236.	0.4	37
23	Oxygen availability and PCr recovery rate in untrained human calf muscle: evidence of metabolic limitation in normoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2046-R2051.	1.8	35
24	The visibility of the ^1H NMR signal of ethanol in the dog brain. Magnetic Resonance in Medicine, 1991, 19, 340-348.	3.0	28
25	Preliminary findings in the heart rate variability and haemorheology response to varied frequency and duration of walking in women 65-74 yr with type 2 diabetes. Clinical Hemorheology and Microcirculation, 2012, 51, 87-99.	1.7	28
26	Altered ventricular mechanics after 60 min of high-intensity endurance exercise: insights from exercise speckle-tracking echocardiography. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H875-H883.	3.2	26
27	Reduced muscle oxidative capacity is independent of O_2 availability in elderly people. Age, 2013, 35, 1183-1192.	3.0	25
28	Breathing He-O_2 attenuates the slow component of O_2 uptake kinetics during exercise performed above the respiratory compensation threshold. Experimental Physiology, 2010, 95, 172-183.	2.0	22
29	Mitochondrial function and increased convective O_2 transport: implications for the assessment of mitochondrial respiration in vivo. Journal of Applied Physiology, 2013, 115, 803-811.	2.5	21
30	Voluntary running in mice beneficially modulates myocardial ischemic tolerance, signaling kinases, and gene expression patterns. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1091-R1100.	1.8	20
31	The impact of an experimentally induced increase in arterial blood pressure on left ventricular twist mechanics. Experimental Physiology, 2016, 101, 124-134.	2.0	19
32	Heart rate variability is related to impaired haemorheology in older women with type 2 diabetes. Clinical Hemorheology and Microcirculation, 2010, 46, 57-68.	1.7	18
33	The effect of higher ATP cost of contraction on the metabolic response to graded exercise in patients with chronic obstructive pulmonary disease. Journal of Applied Physiology, 2012, 112, 1041-1048.	2.5	18
34	The genetics of endurance: Frequency of the ACTN3 R577X variant in Ironman World Championship athletes. Journal of Science and Medicine in Sport, 2013, 16, 365-371.	1.3	18
35	Gene networks in skeletal muscle following endurance exercise are coexpressed in blood neutrophils and linked with blood inflammation markers. Journal of Applied Physiology, 2017, 122, 752-766.	2.5	13
36	Impact of high-intensity endurance exercise on regional left and right ventricular myocardial mechanics. European Heart Journal Cardiovascular Imaging, 2017, 18, jew128.	1.2	11

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37	In vivo high-resolution volume-selected proton spectroscopy and T1 measurements in the dog brain. <i>Magnetic Resonance in Medicine</i> , 1989, 9, 288-295.	3.0	10
38	Water-suppressed volume-selected ¹ H NMR spectroscopy in vivo: Application to study tumor metabolism. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 508-512.	3.0	8
39	A simple modification for the elimination of phase distortions, a characteristic of β -solvent suppression pulse sequences. <i>Journal of Magnetic Resonance</i> , 1987, 74, 184-187.	0.5	8
40	The influence of breathing mechanics on the development of the slow component of O ₂ uptake. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, 125-131.	1.6	8
41	The Relationship Between Resting Lung-to-Lung Circulation Time and Peak Exercise Capacity in Chronic Heart Failure Patients. <i>Journal of Cardiac Failure</i> , 2007, 13, 389-394.	1.7	7
42	In Vivo Determination of ATP in Tumors Using ³¹ P Inversion Spin Transfer. <i>Cancer Investigation</i> , 1988, 6, 47-53.	1.3	6
43	Reproducibility of Echocardiography-Derived Multilevel Left Ventricular Apical Twist Mechanics. <i>Echocardiography</i> , 2016, 33, 257-263.	0.9	6
44	Extractable synovial fluid in inflammatory and non-inflammatory arthritis of the knee. <i>Clinical Rheumatology</i> , 2019, 38, 2255-2263.	2.2	6
45	Utilizing heart rate variability to predict ICU patient outcome in traumatic brain injury. <i>BMC Bioinformatics</i> , 2020, 21, 481.	2.6	5
46	Cardiac perturbations after high-intensity exercise are attenuated in middle-aged compared with young endurance athletes: diminished stress or depleted stimuli?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H159-H168.	3.2	5
47	Regular walking improves plasma protein concentrations that promote blood hyperviscosity in women 65-74 yr with type 2 diabetes. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 64, 189-198.	1.7	4
48	Marked Disparity in Regional and Transmural Cardiac Mechanics in the Athlete's Heart. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1908-1914.	0.4	2
49	The effect of methotrexate upon tumour ATP as determined by in vivo ³¹ P inversion spin transfer. <i>NMR in Biomedicine</i> , 1988, 1, 127-130.	2.8	1
50	Predicting intensive care outcomes in traumatic brain injury using heart rate variability measures with feature extraction strategies. , 2019, , .		1
51	Enhanced arthrocentesis of the effusive knee with pneumatic compression. <i>International Journal of Rheumatic Diseases</i> , 2022, , .	1.9	1
52	Intraarticular injection of the interphalangeal joint for therapy of digital mucoid cysts. <i>Rheumatology International</i> , 2022, , 1.	3.0	1
53	Reply from Glenn M. Stewart, Justin J. Kavanagh, Luke J. Haseler and Surendran Sabapathy. <i>Journal of Physiology</i> , 2016, 594, 3159-3160.	2.9	0