Luke J Haseler

List of Publications by Year
in descending order

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	Enhanced arthrocentesis of the effusive knee with pneumatic compression. International Journal of Rheumatic Diseases, 2022, , .	1.9	1
2	Intraarticular injection of the interphalangeal joint for therapy of digital mucoid cysts. Rheumatology International, 2022, , 1.	3.0	1
3	Cardiac perturbations after high-intensity exercise are attenuated in middle-aged compared with young endurance athletes: diminished stress or depleted stimuli?. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H159-H168.	3.2	5
4	Marked Disparity in Regional and Transmural Cardiac Mechanics in the Athleteâ€™s Heart. Medicine and Science in Sports and Exercise, 2020, 52, 1908-1914.	0.4	2
5	Utilizing heart rate variability to predict ICU patient outcome in traumatic brain injury. BMC Bioinformatics, 2020, 21, 481.	2.6	5
6	Extractable synovial fluid in inflammatory and non-inflammatory arthritis of the knee. Clinical Rheumatology, 2019, 38, 2255-2263.	2.2	6
7	Predicting intensive care outcomes in traumatic brain injury using heart rate variability measures with feature extraction strategies. , 2019, , .		1
8	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
9	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
10	Influence of exercise intensity and duration on functional and biochemical perturbations in the human heart. Journal of Physiology, 2016, 594, 3031-3044.	2.9	54
11	Reproducibility of EchocardiographâEDerived Multilevel Left Ventricular Apical Twist Mechanics. Echocardiography, 2016, 33, 257-263.	0.9	6
12	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
13	Regular walking improves plasma protein concentrations that promote blood hyperviscosity in women 65â€“74 yr with type 2 diabetes. Clinical Hemorheology and Microcirculation, 2016, 64, 189-198.	1.7	4
14	Reply from Glenn M. Stewart, Justin J. Kavanagh, Luke J. Haseler and Surendran Sabapathy. Journal of Physiology, 2016, 594, 3159-3160.	2.9	0
15	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
16	Evaluation of a 7-Gene Genetic Profile for Athletic Endurance Phenotype in Ironman Championship Triathletes. PLoS ONE, 2015, 10, e0145171.	2.5	44
17	Use of Three-Dimensional Speckle-Tracking Echocardiography for Quantitative Assessment of Global Left Ventricular Function: A Comparative Study to Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2014, 27, 285-291.	2.8	91
18	Time course-dependent changes in the transcriptome of human skeletal muscle during recovery from endurance exercise: from inflammation to adaptive remodeling. Journal of Applied Physiology, 2014, 116, 274-287.	2.5	64

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19	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. Journal of the American Society of Echocardiography, 2014, 27, 880-887.	2.8	49
20	Reduced muscle oxidative capacity is independent of O2 availability in elderly people. Age, 2013, 35, 1183-1192.	3.0	25
21	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
22	Transcriptome analysis of neutrophils after endurance exercise reveals novel signaling mechanisms in the immune response to physiological stress. Journal of Applied Physiology, 2013, 114, 1677-1688.	2.5	52
23	Mitochondrial function and increased convective O₂ transport: implications for the assessment of mitochondrial respiration in vivo. Journal of Applied Physiology, 2013, 115, 803-811.	2.5	21
24	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
25	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
26	Preliminary findings in the heart rate variability and haemorheology response to varied frequency and duration of walking in women 65â€“74 yr with type 2 diabetes. Clinical Hemorheology and Microcirculation, 2012, 51, 87-99.	1.7	28
27	Adenosine and its receptors in the heart: Regulation, retaliation and adaptation. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1413-1428.	2.6	112
28	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
29	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
30	The influence of breathing mechanics on the development of the slow component of O2 uptake. Respiratory Physiology and Neurobiology, 2010, 173, 125-131.	1.6	8
31	Breathing Heâ€“O₂ attenuates the slow component of O₂ uptake kinetics during exercise performed above the respiratory compensation threshold. Experimental Physiology, 2010, 95, 172-183.	2.0	22
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	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
34	The Relationship Between Resting Lung-to-Lung Circulation Time and Peak Exercise Capacity in Chronic Heart Failure Patients. Journal of Cardiac Failure, 2007, 13, 389-394.	1.7	7
35	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
36	Skeletal muscle oxidative metabolism in sedentary humans: 31P-MRS assessment of O2 supply and demand limitations. Journal of Applied Physiology, 2004, 97, 1077-1081.	2.5	77

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37	Reduced Mechanical Efficiency in Chronic Obstructive Pulmonary Disease but Normal Peak VÌ‡o2with Small Muscle Mass Exercise. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 89-96.	5.6	154
38	The role of oxygen in determining phosphocreatine onset kinetics in exercising humans. Journal of Physiology, 2004, 558, 985-992.	2.9	62
39	Local perfusion and metabolic demand during exercise: a noninvasive MRI method of assessment. Journal of Applied Physiology, 2001, 91, 1845-1853.	2.5	80
40	Human muscle performance and PCr hydrolysis with varied inspired oxygen fractions: a³¹P-MRS study. Journal of Applied Physiology, 1999, 86, 1367-1373.	2.5	228
41	Skeletal muscle phosphocreatine recovery in exercise-trained humans is dependent on O₂availability. Journal of Applied Physiology, 1999, 86, 2013-2018.	2.5	260
42	Dynamic imaging of perfusion in human skeletal muscle during exercise with arterial spin labeling. Magnetic Resonance in Medicine, 1999, 42, 258-267.	3.0	110
43	¹H MRS in acute traumatic brain injury. Journal of Magnetic Resonance Imaging, 1998, 8, 829-840.	3.4	207
44	Phosphocreatine hydrolysis during submaximal exercise: the effect of F I O 2. Journal of Applied Physiology, 1998, 85, 1457-1463.	2.5	124
45	Increased VË™<scp>o</scp> _{2 max}with right-shifted Hb-O₂dissociation curve at a constant O₂ delivery in dog muscle in situ. Journal of Applied Physiology, 1998, 84, 995-1002.	2.5	89
46	Effect of prolonged, heavy exercise on pulmonary gas exchange in athletes. Journal of Applied Physiology, 1998, 85, 1523-1532.	2.5	101
47	Spin-spin relaxation of brain tissues in systemic lupus erythematosus. Arthritis and Rheumatism, 1995, 38, 810-818.	6.7	60
48	The visibility of the1H NMR signal of ethanol in the dog brain. Magnetic Resonance in Medicine, 1991, 19, 340-348.	3.0	28
49	In vivo high-resolution volume-selected proton spectroscopy andT1 measurements in the dog brain. Magnetic Resonance in Medicine, 1989, 9, 288-295.	3.0	10
50	The effect of methotrexate upon tumour ATP as determined byin vivo31P inversion spin transfer. NMR in Biomedicine, 1988, 1, 127-130.	2.8	1
51	In Vivo Determination of ATP in Tumors Using31P Inversion Spin Transfer. Cancer Investigation, 1988, 6, 47-53.	1.3	6
52	Water-suppressed volume-selected1H NMR spectroscopy in viva: Application to study tumor metabolism. Magnetic Resonance in Medicine, 1987, 5, 508-512.	3.0	8
53	A simple modification for the elimination of phase distortions, a characteristic of â€œbinomialâ€•solvent suppression pulse sequences. Journal of Magnetic Resonance, 1987, 74, 184-187.	0.5	8