Kevin E Conley

List of Publications by Year
in descending order

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46 papers	3,142 citations	186265 28 h-index	289244 40 g-index
68 all docs	68 docs citations	68 times ranked	3842 citing authors

#	Article	IF	Citations
1	Oxidative capacity and ageing in human muscle. Journal of Physiology, 2000, 526, 203-210.	2.9	523
2	Skeletal Muscle Mitochondrial Energetics Are Associated With Maximal Aerobic Capacity and Walking Speed in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 447-455.	3.6	240
3	NAD ⁺ repletion improves muscle function in muscular dystrophy and counters global PARylation. Science Translational Medicine, 2016, 8, 361ra139.	12.4	208
4	Mild mitochondrial uncoupling impacts cellular aging in human muscles in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1057-1062.	7.1	191
5	Decline in isokinetic force with age: muscle cross-sectional area and specific force. Pflugers Archiv European Journal of Physiology, 1997, 434, 246-253.	2.8	172
6	Large energetic adaptations of elderly muscle to resistance and endurance training. Journal of Applied Physiology, 2001, 90, 1663-1670.	2.5	168
7	Acidosis inhibits oxidative phosphorylation in contracting human skeletal muscle in vivo. Journal of Physiology, 2003, 553, 589-599.	2.9	130
8	Ageing, muscle properties and maximal O 2 uptake rate in humans. Journal of Physiology, 2000, 526, 211-217.	2.9	104
9	Reduced mitochondrial couplingin vivoalters cellular energetics in aged mouse skeletal muscle. Journal of Physiology, 2005, 569, 467-473.	2.9	104
10	Mitochondrial dysfunction and age. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 688-692.	2.5	94
11	Glycolysis is independent of oxygenation state in stimulated human skeletal musclein vivo. Journal of Physiology, 1998, 511, 935-945.	2.9	84
12	Skeletal Muscle Mitochondrial Function and Fatigability in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1379-1385.	3.6	79
13	Mitochondrial function, fibre types and ageing: new insights from human musclein vivo. Experimental Physiology, 2007, 92, 333-339.	2.0	75
14	Mitochondrial coupling in vivo in mouse skeletal muscle. American Journal of Physiology - Cell Physiology, 2004, 286, C457-C463.	4.6	74
15	Limits to sustainable muscle performance: interaction between glycolysis and oxidative phosphorylation. Journal of Experimental Biology, 2001, 204, 3189-3194.	1.7	74
16	Skeletal Muscle Mitochondrial Capacity and Insulin Resistance in Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1160-1168.	3.6	64
17	Oxygen regulation and limitation to cellular respiration in mouse skeletal muscle in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H1900-H1908.	3.2	62
18	Mitochondrial Dysfunction. Exercise and Sport Sciences Reviews, 2007, 35, 43-49.	3.0	57

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19	Exercise efficiency is reduced by mitochondrial uncoupling in the elderly. Experimental Physiology, 2013, 98, 768-777.	2.0	55
20	Mitochondrial function in vivo: Spectroscopy provides window on cellular energetics. Methods, 2008, 46, 312-318.	3.8	52
21	Mitochondria to motion: optimizing oxidative phosphorylation to improve exercise performance. Journal of Experimental Biology, 2016, 219, 243-249.	1.7	51
22	Impaired skeletal muscle mitochondrial bioenergetics and physical performance in chronic kidney disease. JCI Insight, 2020, 5, .	5.0	48
23	Central nervous system uptake of intranasal glutathione in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2016, 2, 16002.	5.3	43
24	CKD and Muscle Mitochondrial Energetics. American Journal of Kidney Diseases, 2016, 68, 658-659.	1.9	41
25	SSâ€31 and NMN: Two paths to improve metabolism and function in aged hearts. Aging Cell, 2020, 19, e13213.	6.7	38
26	Minimal cost per twitch in rattlesnake tail muscle. Nature, 1996, 383, 71-72.	27.8	34
27	Muscle force, work and cost: a novel technique to revisit the Fenn Effect. Journal of Experimental Biology, 2015, 218, 2075-82.	1.7	30
28	Building strength, endurance, and mobility using an astaxanthin formulation with functional training in elderly. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 826-833.	7.3	30
29	Higher Mitochondrial Respiration and Uncoupling with Reduced Electron Transport Chain Contentin Vivoin Muscle of Sedentary Versus Active Subjects. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 129-136.	3.6	28
30	EFFECTS OF 12 MONTHS OF CALORIC RESTRICTION ON MUSCLE MITOCHONDRIAL FUNCTION IN HEALTHY INDIVIDUALS. Journal of Clinical Endocrinology and Metabolism, 2017, 102, jc.2016-3211.	3.6	26
31	Elevated energy coupling and aerobic capacity improves exercise performance in enduranceâ€trained elderly subjects. Experimental Physiology, 2013, 98, 899-907.	2.0	25
32	Pioglitazone-induced improvements in insulin sensitivity occur without concomitant changes in muscle mitochondrial function. Metabolism: Clinical and Experimental, 2017, 69, 24-32.	3.4	23
33	In vivo mitochondrial ATP production is improved in older adult skeletal muscle after a single dose of elamipretide in a randomized trial. PLoS ONE, 2021, 16, e0253849.	2.5	21
34	High efficiency in human muscle: an anomaly and an opportunity?. Journal of Experimental Biology, 2011, 214, 2649-2653.	1.7	19
35	Metabolic adaptation is not observed after 8 weeks of overfeeding but energy expenditure variability is associated with weight recovery. American Journal of Clinical Nutrition, 2019, 110, 805-813.	4.7	19
36	Energy-saving mechanisms in muscle: the minimization strategy. Journal of Experimental Biology, 2002, 205, 2175-81.	1.7	16

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37	Impact of prolonged overfeeding on skeletal muscle mitochondria in healthy individuals. Diabetologia, 2018, 61, 466-475.	6.3	13
38	Mitochondrial NAD(P)H In vivo: Identifying Natural Indicators of Oxidative Phosphorylation in the 31P Magnetic Resonance Spectrum. Frontiers in Physiology, 2016, 7, 45.	2.8	12
39	Astaxanthin supplementation enhances metabolic adaptation with aerobic training in the elderly. Physiological Reports, 2021, 9, e14887.	1.7	9
40	Differences in Mitochondrial Coupling Reveal a Novel Signature of Mitohormesis in Muscle of Healthy Individuals. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4994-5003.	3.6	6
41	Does Mitochondrial Uncoupling Generate More Mitochondria in Muscle?. FASEB Journal, 2009, 23, 600.30.	0.5	0
42	Aging increases resting oxygen consumption in typeâ€Ⅱ skeletal muscle. FASEB Journal, 2009, 23, 954.10.	0.5	0
43	Defining the limits to efficiency in human muscle in vivo. FASEB Journal, 2010, 24, 801.6.	0.5	0
44	Does negative work cost less. FASEB Journal, 2011, 25, 1051.25.	0.5	0
45	An innovative apparatus for measuring in vivo efficiency of positive and negative work for human muscle studies. FASEB Journal, 2011, 25, 1051.32.	0.5	0
46	New Functional Measure of for Movement Disorder Detection, Progression and Efficacy of Intervention. FASEB Journal, 2012, 26, 1035.7.	0.5	0