Arthur J Cheng

List of Publications by Citations

Source: https://exaly.com/author-pdf/9030214/arthur-j-cheng-publications-by-citations.pdf
Version: 2024-04-28

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	1,124 citations	18 h-index	32 g-index
69 ext. papers	1,378 ext. citations	4.3 avg, IF	4.65 L-index

#	Paper	IF	Citations
56	Dietary nitrate increases tetanic [Ca2+]i and contractile force in mouse fast-twitch muscle. *Journal of Physiology*, **2012**, 590, 3575-83	3.9	192
55	Ryanodine receptor fragmentation and sarcoplasmic reticulum Ca2+ leak after one session of high-intensity interval exercise. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15492-7	11.5	100
54	Reactive oxygen/nitrogen species and contractile function in skeletal muscle during fatigue and recovery. *Journal of Physiology*, **2016**, 594, 5149-60	3.9	71
53	Fatigue and recovery of power and isometric torque following isotonic knee extensions. *Journal of Applied Physiology*, **2005**, 99, 1446-52	3.7	58
52	Antioxidant treatments do not improve force recovery after fatiguing stimulation of mouse skeletal muscle fibres. *Journal of Physiology*, **2015**, 593, 457-72	3.9	52
51	Molecular Basis for Exercise-Induced Fatigue: The Importance of Strictly Controlled Cellular Ca Handling. *Cold Spring Harbor Perspectives in Medicine*, **2018**, 8,	5.4	50
50	Subcellular distribution of glycogen and decreased tetanic Ca2+ in fatigued single intact mouse muscle fibres. *Journal of Physiology*, **2014**, 592, 2003-12	3.9	45
49	Post-exercise recovery of contractile function and endurance in humans and mice is accelerated by heating and slowed by cooling skeletal muscle. *Journal of Physiology*, **2017**, 595, 7413-7426	3.9	44
48	Nitrosative modifications of the Ca2+ release complex and actin underlie arthritis-induced muscle weakness. *Annals of the Rheumatic Diseases*, **2015**, 74, 1907-14	2.4	34
47	Intramuscular mechanisms of overtraining. *Redox Biology*, **2020**, 35, 101480	11.3	28
46	Impaired mitochondrial respiration and decreased fatigue resistance followed by severe muscle weakness in skeletal muscle of mitochondrial DNA mutator mice. *Journal of Physiology*, **2012**, 590, 6187-97	3.9	28
45	Doublet discharge stimulation increases sarcoplasmic reticulum Ca2+ release and improves performance during fatiguing contractions in mouse muscle fibres. *Journal of Physiology*, **2013**, 591, 3739-48	3.9	23
44	Methods to detect Ca(2+) in living cells. *Advances in Experimental Medicine and Biology*, **2012**, 740, 27-43	3.6	23
43	Antioxidants and Skeletal Muscle Performance: "Common Knowledge" vs. Experimental Evidence. *Frontiers in Physiology*, **2012**, 3, 46	4.6	23
42	Mechanical isolation, and measurement of force and myoplasmic free [Ca] in fully intact single skeletal muscle fibers. *Nature Protocols*, **2017**, 12, 1763-1776	18.8	22
41	Distinct underlying mechanisms of limb and respiratory muscle fiber weaknesses in nemaline myopathy. *Journal of Neuropathology and Experimental Neurology*, **2013**, 72, 472-81	3.1	20
40	SR Ca leak in skeletal muscle fibers acts as an intracellular signal to increase fatigue resistance. *Journal of General Physiology*, **2019**, 151, 567-577	3.4	20

39	Fatigue-induced reductions of torque and shortening velocity are muscle dependent. *Medicine and Science in Sports and Exercise*, **2010**, 42, 1651-9	1.2	19
38	Impaired Ca(2+) release contributes to muscle weakness in a rat model of critical illness myopathy. *Critical Care*, **2016**, 20, 254	10.8	18
37	Fast skeletal muscle troponin activator CK-2066260 increases fatigue resistance by reducing the energetic cost of muscle contraction. *Journal of Physiology*, **2019**, 597, 4615-4625	3.9	17
36	Intracellular Ca(2+)-handling differs markedly between intact human muscle fibers and myotubes. *Skeletal Muscle*, **2015**, 5, 26	5.1	17
35	Isometric torque and shortening velocity following fatigue and recovery of different voluntary tasks in the dorsiflexors. *Applied Physiology, Nutrition and Metabolism*, **2009**, 34, 866-74	3	16
34	Impaired sarcoplasmic reticulum Ca release is the major cause of fatigue-induced force loss in intact single fibres from human intercostal muscle. *Journal of Physiology*, **2020**, 598, 773-787	3.9	14
33	Muscle Fatigue Affects the Interpolated Twitch Technique When Assessed Using Electrically-Induced Contractions in Human and Rat Muscles. *Frontiers in Physiology*, **2016**, 7, 252	4.6	14
32	The Ca sensitizer CK-2066260 increases myofibrillar Ca sensitivity and submaximal force selectively in fast skeletal muscle. *Journal of Physiology*, **2017**, 595, 1657-1670	3.9	13
31	Toxic doses of caffeine are needed to increase skeletal muscle contractility. *American Journal of Physiology - Cell Physiology*, **2019**, 316, C246-C251	5.4	13
30	Cyclophilin D, a target for counteracting skeletal muscle dysfunction in mitochondrial myopathy. *Human Molecular Genetics*, **2015**, 24, 6580-7	5.6	11
29	Quadriceps fatigue caused by catchlike-inducing trains is not altered in old age. *Muscle and Nerve*, **2004**, 30, 743-51	3.4	10
28	A comparison of adductor pollicis fatigue in older men and women. *Canadian Journal of Physiology and Pharmacology*, **2003**, 81, 873-9	2.4	10
27	Oxidative hotspots on actin promote skeletal muscle weakness in rheumatoid arthritis. *JCI Insight*, **2019**, 5,	9.9	10
26	Factors contributing to the fatigue-related reduction in active dorsiflexion joint range of motion. *Applied Physiology, Nutrition and Metabolism*, **2013**, 38, 490-7	3	9
25	Potentiation of the triceps brachii during voluntary submaximal contractions. *Muscle and Nerve*, **2011**, 43, 859-65	3.4	9
24	Voluntary activation in the triceps brachii at short and long muscle lengths. *Muscle and Nerve*, **2010**, 41, 63-70	3.4	9
23	CanTt live with or without it: calcium and its role in Duchenne muscular dystrophy-induced muscle weakness. Focus on "SERCA1 overexpression minimizes skeletal muscle damage in dystrophic mouse models". *American Journal of Physiology - Cell Physiology*, **2015**, 308, C697-8	5.4	8
22	LIM and cysteine-rich domains 1 (LMCD1) regulates skeletal muscle hypertrophy, calcium handling, and force. *Skeletal Muscle*, **2019**, 9, 26	5.1	8

21	The influence of muscle length on the fatigue-related reduction in joint range of motion of the human dorsiflexors. *European Journal of Applied Physiology*, **2010**, 109, 405-15	3.4	7
20	Moderately elevated extracellular [K] potentiates submaximal force and power in skeletal muscle via increased [Ca] during contractions. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C900-C909	5.4	6
19	Intramuscular Contributions to Low-Frequency Force Potentiation Induced by a High-Frequency Conditioning Stimulation. *Frontiers in Physiology*, **2017**, 8, 712	4.6	6
18	Measuring Ca in Living Cells. *Advances in Experimental Medicine and Biology*, **2020**, 1131, 7-26	3.6	6
17	Carbohydrates do not accelerate force recovery after glycogen-depleting followed by high-intensity exercise in humans. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 998-1007	4.6	5
16	Role of Ca in changing active force during intermittent submaximal stimulation in intact, single mouse muscle fibers. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 1243-1254	4.6	5
15	Cooling down the use of cryotherapy for post-exercise skeletal muscle recovery. *Temperature*, **2018** , 5, 103-105	5.2	5
14	Intact single muscle fibres from SOD1 amyotrophic lateral sclerosis mice display preserved specific force, fatigue resistance and training-like adaptations. *Journal of Physiology*, **2019**, 597, 3133-3146	3.9	4
13	SITTdown and relax: the interpolated twitch technique is still a valid measure of central fatigue during sustained contraction tasks. *Journal of Physiology*, **2013**, 591, 3677-8	3.9	4
12	Mechanisms of prolonged low-frequency force depression: in vivo studies get us closer to the truth. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 316, R502-R503	3.2	3
11	Perceived Versus Performance Fatigability in Patients With Rheumatoid Arthritis. *Frontiers in Physiology*, **2018**, 9, 1395	4.6	3
10	Promoting a pro-oxidant state in skeletal muscle: Potential dietary, environmental, and exercise interventions for enhancing endurance-training adaptations. *Free Radical Biology and Medicine*, **2021**, 176, 189-202	7.8	3
9	Functional Impact of Post-exercise Cooling and Heating on Recovery and Training Adaptations: Application to Resistance, Endurance, and Sprint Exercise.. *Sports Medicine - Open*, **2022**, 8, 37	6.1	3
8	Calcium sensitivity during staircase with sequential incompletely fused contractions. *Journal of Muscle Research and Cell Motility*, **2021**, 42, 59-65	3.5	2
7	Exercise reduces intramuscular stress and counteracts muscle weakness in mice with breast cancer.. *Journal of Cachexia, Sarcopenia and Muscle*, **2022**,	10.3	2
6	Mitochondrial NDUFA4L2 is a novel regulator of skeletal muscle mass and force. *FASEB Journal*, **2021**, 35, e22010	0.9	1
5	Fast skeletal muscle troponin activator CK-2066260 mitigates skeletal muscle weakness independently of the underlying cause. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 1747-1757	10.3	1
4	Intracellular Ca(2+) handling and myofibrillar Ca(2+) sensitivity are defective in single muscle fibres of aged humans. *Journal of Physiology*, **2015**, 593, 3237-8	3.9	

3	Crosstalk between nitrosative stress and altered Ca2+ handling in arthritis-induced skeletal muscle dysfunction. *Annals of the Rheumatic Diseases*, **2012**, 71, A43.3-A44	2.4
2	Isolated Intercostal Muscle Fibers as a Human Skeletal Muscle Ex Vivo Model. *FASEB Journal*, **2015**, 29, LB700	0.9
1	Carbohydrate restriction following strenuous glycogen-depleting exercise does not potentiate the acute molecular response associated with mitochondrial biogenesis in human skeletal muscle. *European Journal of Applied Physiology*, **2021**, 121, 1219-1232	3.4