Kristian Gundersen

List of Publications by Year
in descending order

36 papers	2,649 citations	236925 25 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	2393 citing authors

#	Article	IF	Citations
1	Cross Talk rebuttal: Schwartz and Gundersen. Journal of Physiology, 2022, 600, 2087-2088.	2.9	4
2	Cross Talk opposing view: Myonuclei do not undergo apoptosis during skeletal muscle atrophy. Journal of Physiology, 2022, 600, 2081-2084.	2.9	8
3	Comparing the epigenetic landscape in myonuclei purified with a PCM1 antibody from a fast/glycolytic and a slow/oxidative muscle. PLoS Genetics, 2021, 17, e1009907.	3.5	12
4	Muscle memory: are myonuclei ever lost?. Journal of Applied Physiology, 2020, 128, 456-457.	2.5	7
5	Myonuclear content regulates cell size with similar scaling properties in mice and humans. Nature Communications, 2020, 11, 6288.	12.8	49
6	Computational Assessment of Transport Distances in Living Skeletal Muscle Fibers Studied In Situ. Biophysical Journal, 2020, 119, 2166-2178.	0.5	6
7	Nuclear numbers in syncytial muscle fibers promote size but limit the development of larger myonuclear domains. Nature Communications, 2020, 11, 6287.	12.8	57
8	Effects of training, detraining, and retraining on strength, hypertrophy, and myonuclear number in human skeletal muscle. Journal of Applied Physiology, 2019, 126, 1636-1645.	2.5	48
9	Cachexia does not induce loss of myonuclei or muscle fibres during xenografted prostate cancer in mice. Acta Physiologica, 2019, 225, e13204.	3.8	13
10	Specific labelling of myonuclei by an antibody against pericentriolar material 1 on skeletal muscle tissue sections. Acta Physiologica, 2018, 223, e13034.	3.8	41
11	Muscle memory: virtues of your youth?. Journal of Physiology, 2018, 596, 4289-4290.	2.9	18
12	An apparent lack of effect of satellite cell depletion on hypertrophy could be due to methodological limitations. Response to â€˜Methodological issues limit interpretation of negative effects of satellite cell depletion on adult muscle hypertrophyâ€™. Development (Cambridge), 2017, 144, 1365-1367.	2.5	19
13	Increased hypertrophic response with increased mechanical load in skeletal muscles receiving identical activity patterns. American Journal of Physiology - Cell Physiology, 2016, 311, C616-C629.	4.6	29
14	Satellite cell depletion prevents fiber hypertrophy in skeletal muscle. Development (Cambridge), 2016, 143, 2898-2906.	2.5	153
15	Muscle memory and a new cellular model for muscle atrophy and hypertrophy. Journal of Experimental Biology, 2016, 219, 235-242.	1.7	123
16	Overexpression of SMPX in Adult Skeletal Muscle Does not Change Skeletal Muscle Fiber Type or Size. PLoS ONE, 2014, 9, e99232.	2.5	11
17	A cellular memory mechanism aids overload hypertrophy in muscle long after an episodic exposure to anabolic steroids. Journal of Physiology, 2013, 591, 6221-6230.	2.9	101
18	No change in myonuclear number during muscle unloading and reloading. Journal of Applied Physiology, 2012, 113, 290-296.	2.5	89

#	Article	IF	Citations
19	Excitationâ€transcription coupling in skeletal muscle: the molecular pathways of exercise. Biological Reviews, 2011, 86, 564-600.	10.4	201
20	Hypoxia inducible factor 1Î± links fastâ€patterned muscle activity and fast muscle phenotype in rats. Journal of Physiology, 2011, 589, 1443-1454.	2.9	46
21	Myonuclei acquired by overload exercise precede hypertrophy and are not lost on detraining. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15111-15116.	7.1	241
22	Nuclear domains during muscle atrophy: nuclei lost or paradigm lost?. Journal of Physiology, 2008, 586, 2675-2681.	2.9	111
23	Activity-dependent repression of muscle genes by NFAT. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5921-5926.	7.1	39
24	In vivo time-lapse microscopy reveals no loss of murine myonuclei during weeks of muscle atrophy. Journal of Clinical Investigation, 2008, 118, 1450-1457.	8.2	140
25	PPARÎ´ expression is influenced by muscle activity and induces slow muscle properties in adult rat muscles after somatic gene transfer. Journal of Physiology, 2007, 582, 1277-1287.	2.9	40
26	Deâ€phosphorylation of MyoD is linking nerveâ€evoked activity to fast myosin heavy chain expression in rodent adult skeletal muscle. Journal of Physiology, 2007, 584, 637-650.	2.9	57
27	Distribution of myonuclei and microtubules in live muscle fibers of young, middle-aged, and old mice. Journal of Applied Physiology, 2006, 100, 2024-2030.	2.5	117
28	Muscle hypertrophy induced by the Ski protein: cyto-architecture and ultrastructure. Acta Physiologica Scandinavica, 2005, 185, 141-149.	2.2	22
29	Number and spatial distribution of nuclei in the muscle fibres of normal mice studied in vivo. Journal of Physiology, 2003, 551, 467-478.	2.9	211
30	DNA Injection into Single Cells of Intact Mice. Human Gene Therapy, 1999, 10, 291-300.	2.7	51
31	Fast to slow transformation of denervated and electrically stimulated rat muscle. Journal of Physiology, 1998, 510, 623-632.	2.9	132
32	Id-1 as a possible transcriptional mediator of muscle disuse atrophy.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3647-3651.	7.1	45
33	Neural regulation of muscle acetylcholine receptor epsilon- and alpha-subunit gene promoters in transgenic mice.. Journal of Cell Biology, 1993, 123, 1535-1544.	5.2	77
34	Electrical stimulation resembling normal motor-unit activity: effects on denervated fast and slow rat muscles.. Journal of Physiology, 1988, 402, 651-669.	2.9	97
35	Fibre types, calciumâ€sequestering proteins and metabolic enzymes in denervated and chronically stimulated muscles of the rat.. Journal of Physiology, 1988, 398, 177-189.	2.9	107
36	Slowâ€toâ€fast transformation of denervated soleus muscles by chronic highâ€frequency stimulation in the rat.. Journal of Physiology, 1988, 402, 627-649.	2.9	126