Werner Melzer

List of Publications by Year
in descending order

20 papers	436 citations	840776 11 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	535 citing authors

#	Article	IF	Citations
1	From Î±1s splicing to Î³1 function: A new twist in subunit modulation of the skeletal muscle L-type Ca2+ channel. Journal of General Physiology, 2022, 154, .	1.9	0
2	ECC meets CEUâ€"New focus on the backdoor for calcium ions in skeletal muscle cells. Journal of General Physiology, 2020, 152, .	1.9	3
3	Voltage modulates halothane-triggered Ca2+ release in malignant hyperthermia-susceptible muscle. Journal of General Physiology, 2018, 150, 111-125.	1.9	15
4	No voltage change at skeletal muscle SR membrane during Ca2+ releaseâ€"just Mermaids on acid. Journal of General Physiology, 2018, 150, 1055-1058.	1.9	4
5	Loss of S100A1 expression leads to Ca2+ release potentiation in mutant mice with disrupted CaM and S100A1 binding to CaMBD2 of RyR1. Physiological Reports, 2018, 6, e13822.	1.7	3
6	The Ca2+ influx through the mammalian skeletal muscle dihydropyridine receptor is irrelevant for muscle performance. Nature Communications, 2017, 8, 475.	12.8	74
7	Fast-to-Slow Transition of Skeletal Muscle Contractile Function and Corresponding Changes in Myosin Heavy and Light Chain Formation in the R6/2 Mouse Model of Huntingtonâ€™s Disease. PLoS ONE, 2016, 11, e0166106.	2.5	15
8	Altered Ca2+ signaling in skeletal muscle fibers of the R6/2 mouse, a model of Huntingtonâ€™s disease. Journal of General Physiology, 2014, 144, 393-413.	1.9	27
9	Skeletal muscle fibers: Inactivated or depleted after long depolarizations?. Journal of General Physiology, 2013, 141, 517-520.	1.9	3
10	Muscle weakness in Ryr1I4895T/WT knock-in mice as a result of reduced ryanodine receptor Ca2+ ion permeation and release from the sarcoplasmic reticulum. Journal of General Physiology, 2011, 137, 43-57.	1.9	76
11	S100A1 promotes action potential-initiated calcium release flux and force production in skeletal muscle. American Journal of Physiology - Cell Physiology, 2010, 299, C891-C902.	4.6	22
12	A retrograde signal from RyR1 alters DHP receptor inactivation and limits window Ca ²⁺ release in muscle fibers of Y522S RyR1 knock-in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4531-4536.	7.1	62
13	Local calcium signals induced by hyper-osmotic stress in mammalian skeletal muscle cells. Journal of Muscle Research and Cell Motility, 2009, 30, 97-109.	2.0	20
14	Functional roles of the gamma subunit of the skeletal muscle DHP-receptor. Journal of Muscle Research and Cell Motility, 2006, 27, 307-314.	2.0	4
15	When sparks get old. Journal of Cell Biology, 2006, 174, 613-614.	5.2	2
16	Functional Interaction of CaV Channel Isoforms with Ryanodine Receptors Studied in Dysgenic Myotubes. Biophysical Journal, 2005, 88, 1765-1777.	0.5	9
17	Altered Inactivation of Ca2+ Current and Ca2+ Release in Mouse Muscle Fibers Deficient in the DHP receptor Î³1 subunit. Journal of General Physiology, 2004, 124, 605-618.	1.9	31
18	L-type calcium current activation in cultured human myotubes. Journal of Muscle Research and Cell Motility, 1997, 18, 353-367.	2.0	11

#	Article	IF	Citations
19	A possible role of sarcoplasmic Ca2+ release in modulating the slow Ca2+ current of skeletal muscle. Pflugers Archiv European Journal of Physiology, 1993, 425, 54-61.	2.8	21
20	Extracellular Ca2+ and excitationâ€“contraction coupling. Nature, 1979, 280, 158-160.	27.8	34