

# Werner Melzer

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Muscle weakness in <i>Ryr1<sup>14895T/WT</sup></i> knock-in mice as a result of reduced ryanodine receptor Ca <sup>2+</sup> ion permeation and release from the sarcoplasmic reticulum. <i>Journal of General Physiology</i> , 2011, 137, 43-57.	1.9	76
2	The Ca <sup>2+</sup> influx through the mammalian skeletal muscle dihydropyridine receptor is irrelevant for muscle performance. <i>Nature Communications</i> , 2017, 8, 475.	12.8	74
3	A retrograde signal from RyR1 alters DHP receptor inactivation and limits window Ca <sup>2+</sup> release in muscle fibers of Y522S RyR1 knock-in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4531-4536.	7.1	62
4	Extracellular Ca <sup>2+</sup> and excitation-contraction coupling. <i>Nature</i> , 1979, 280, 158-160.	27.8	34
5	Altered Inactivation of Ca <sup>2+</sup> Current and Ca <sup>2+</sup> Release in Mouse Muscle Fibers Deficient in the DHP receptor $\beta$ 1 subunit. <i>Journal of General Physiology</i> , 2004, 124, 605-618.	1.9	31
6	Altered Ca <sup>2+</sup> signaling in skeletal muscle fibers of the R6/2 mouse, a model of Huntington's disease. <i>Journal of General Physiology</i> , 2014, 144, 393-413.	1.9	27
7	S100A1 promotes action potential-initiated calcium release flux and force production in skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C891-C902.	4.6	22
8	A possible role of sarcoplasmic Ca <sup>2+</sup> release in modulating the slow Ca <sup>2+</sup> current of skeletal muscle. <i>Pflügers Archiv European Journal of Physiology</i> , 1993, 425, 54-61.	2.8	21
9	Local calcium signals induced by hyper-osmotic stress in mammalian skeletal muscle cells. <i>Journal of Muscle Research and Cell Motility</i> , 2009, 30, 97-109.	2.0	20
10	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 Huntington's Disease. <i>PLoS ONE</i> , 2016, 11, e0166106.	2.5	15
11	Voltage modulates halothane-triggered Ca <sup>2+</sup> release in malignant hyperthermia-susceptible muscle. <i>Journal of General Physiology</i> , 2018, 150, 111-125.	1.9	15
12	L-type calcium current activation in cultured human myotubes. <i>Journal of Muscle Research and Cell Motility</i> , 1997, 18, 353-367.	2.0	11
13	Functional Interaction of Ca <sub>v</sub> Channel Isoforms with Ryanodine Receptors Studied in Dysgenic Myotubes. <i>Biophysical Journal</i> , 2005, 88, 1765-1777.	0.5	9
14	Functional roles of the gamma subunit of the skeletal muscle DHP-receptor. <i>Journal of Muscle Research and Cell Motility</i> , 2006, 27, 307-314.	2.0	4
15	No voltage change at skeletal muscle SR membrane during Ca <sup>2+</sup> release—just Mermaids on acid. <i>Journal of General Physiology</i> , 2018, 150, 1055-1058.	1.9	4
16	Skeletal muscle fibers: Inactivated or depleted after long depolarizations?. <i>Journal of General Physiology</i> , 2013, 141, 517-520.	1.9	3
17	Loss of S100A1 expression leads to Ca <sup>2+</sup> release potentiation in mutant mice with disrupted CaM and S100A1 binding to CaMBD2 of RyR1. <i>Physiological Reports</i> , 2018, 6, e13822.	1.7	3
18	ECC meets CEU—New focus on the backdoor for calcium ions in skeletal muscle cells. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	3

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19	When sparks get old. <i>Journal of Cell Biology</i> , 2006, 174, 613-614.	5.2	2
20	From $\alpha_1$ splicing to $\alpha_1$ function: A new twist in subunit modulation of the skeletal muscle L-type $\text{Ca}^{2+}$ channel. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	0