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List of Publications by Year
in descending order

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19 papers	710 citations	687335 13 h-index	794568 19 g-index
20 all docs	20 docs citations	20 times ranked	710 citing authors

#	Article	IF	Citations
1	Indo-1 Derivatives for Local Calcium Sensing. ACS Chemical Biology, 2009, 4, 179-190.	3.4	98
2	Depletion "skraps" and dynamic buffering inside the cellular calcium store. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2982-2987.	7.1	76
3	Ca2+ sparks operated by membrane depolarization require isoform 3 ryanodine receptor channels in skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5235-5240.	7.1	71
4	Deconstructing calsequestrin. Complex buffering in the calcium store of skeletal muscle. Journal of Physiology, 2009, 587, 3101-3111.	2.9	69
5	A probable role of dihydropyridine receptors in repression of Ca2+ sparks demonstrated in cultured mammalian muscle. American Journal of Physiology - Cell Physiology, 2006, 290, C539-C553.	4.6	66
6	Confocal imaging of [Ca2+] in cellular organelles by SEER, shifted excitation and emission ratioing of fluorescence. Journal of Physiology, 2005, 567, 523-543.	2.9	62
7	Measurement of RyR permeability reveals a role of calsequestrin in termination of SR Ca2+ release in skeletal muscle. Journal of General Physiology, 2011, 138, 231-247.	1.9	42
8	Evolution and modulation of intracellular calcium release during longâ€lasting, depleting depolarization in mouse muscle. Journal of Physiology, 2008, 586, 4609-4629.	2.9	41
9	Paradoxical buffering of calcium by calsequestrin demonstrated for the calcium store of skeletal muscle. Journal of General Physiology, 2010, 136, 325-338.	1.9	39
10	D4cpv-calsequestrin: a sensitive ratiometric biosensor accurately targeted to the calcium store of skeletal muscle. Journal of General Physiology, 2011, 138, 211-229.	1.9	32
11	Altered Ca²⁺ concentration, permeability and buffering in the myofibre Ca²⁺ store of a mouse model of malignant hyperthermia. Journal of Physiology, 2013, 591, 4439-4457.	2.9	27
12	Chemiluminescent Aldehyde and Î²-Diketone Reactions Promoted by Peroxynitrite. Chemical Research in Toxicology, 2000, 13, 317-326.	3.3	20
13	The elusive role of store depletion in the control of intracellular calcium release. Journal of Muscle Research and Cell Motility, 2006, 27, 337-350.	2.0	17
14	Rem2 stabilizes intrinsic excitability and spontaneous firing in visual circuits. ELife, 2018, 7, .	6.0	16
15	The Ras-like GTPase Rem2 is a potent inhibitor of calcium/calmodulin-dependent kinase II activity. Journal of Biological Chemistry, 2018, 293, 14798-14811.	3.4	13
16	Peroxynitrite-Initiated Oxidation of Acetoacetate and 2-Methylacetoacetate Esters by Oxygen:Â Potential Sources of Reactive Intermediates in Keto Acidoses. Chemical Research in Toxicology, 2004, 17, 1725-1732.	3.3	9
17	Rem2 signaling affects neuronal structure and function in part by regulation of gene expression. Molecular and Cellular Neurosciences, 2017, 85, 190-201.	2.2	6
18	Succinylacetone Oxidation by Oxygen/Peroxynitrite:Â A Possible Source of Reactive Intermediates in Hereditary Tyrosinemia Type I. Chemical Research in Toxicology, 2004, 17, 598-604.	3.3	5

#	Article	IF	Citations
19	The Metastasis Suppressor Protein Nme1 Is a Concentration-Dependent Modulator of Ca²⁺/Calmodulin-Dependent Protein Kinase II. Biochemistry, 2019, 58, 2710-2714.	2.5	1