Monika Sztretye

List of Publications by Year
in descending order

33	572	687363 13	677142 22
papers	citations	h-index	g-index

33	33	33	719
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Astaxanthin: A Potential Mitochondrial-Targeted Antioxidant Treatment in Diseases and with Aging. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14.	4.0	114
2	Indo-1 Derivatives for Local Calcium Sensing. ACS Chemical Biology, 2009, 4, 179-190.	3.4	98
3	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
4	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
5	Restricting calcium currents is required for correct fiber type specification in skeletal muscle. Development (Cambridge), 2016, 143, 1547-59.	2.5	39
6	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
7	SOCE Is Important for Maintaining Sarcoplasmic Calcium Content and Release in Skeletal Muscle Fibers. Biophysical Journal, 2017, 113, 2496-2507.	0.5	30
8	Altered expression of triadin 95 causes parallel changes in localized Ca²⁺ release events and global Ca²⁺ signals in skeletal muscle cells in culture. Journal of Physiology, 2008, 586, 5803-5818.	2.9	29
9	Hypermuscular mice with mutation in the myostatin gene display altered calcium signalling. Journal of Physiology, 2014, 592, 1353-1365.	2.9	24
10	Charged Surface Area of Maurocalcine Determines Its Interaction with the Skeletal Ryanodine Receptor. Biophysical Journal, 2008, 95, 3497-3509.	0.5	22
11	Dynamic measurement of the calcium buffering properties of the sarcoplasmic reticulum in mouse skeletal muscle. Journal of Physiology, 2013, 591, 423-442.	2.9	20
12	Altered sarcoplasmic reticulum calcium transport in the presence of the heavy metal chelator TPEN. Cell Calcium, 2009, 46, 347-355.	2.4	18
13	Improved Tetanic Force and Mitochondrial Calcium Homeostasis by Astaxanthin Treatment in Mouse Skeletal Muscle. Antioxidants, 2020, 9, 98.	5.1	16
14	From Mice to Humans: An Overview of the Potentials and Limitations of Current Transgenic Mouse Models of Major Muscular Dystrophies and Congenital Myopathies. International Journal of Molecular Sciences, 2020, 21, 8935.	4.1	10
15	Effect of TPEN on the calcium release of cultured C2C12 mouse myotubes. Journal of Muscle Research and Cell Motility, 2007, 28, 421-428.	2.0	9
16	Effects of K-201 on the calcium pump and calcium release channel of rat skeletal muscle. Pflugers Archiv European Journal of Physiology, 2008, 457, 171-183.	2.8	9
17	Alterations in the calcium homeostasis of skeletal muscle from postmyocardial infarcted rats. Pflugers Archiv European Journal of Physiology, 2007, 455, 541-553.	2.8	8
18	Calcium Homeostasis Is Modified in Skeletal Muscle Fibers of Small Ankyrin1 Knockout Mice. International Journal of Molecular Sciences, 2019, 20, 3361.	4.1	6

#	Article	IF	Citations
19	The Role of Orai1 in Regulating Sarcoplasmic Calcium Release, Mitochondrial Morphology and Function in Myostatin Deficient Skeletal Muscle. Frontiers in Physiology, 2020, 11, 601090.	2.8	3
20	Astaxanthin Exerts Anabolic Effects via Pleiotropic Modulation of the Excitable Tissue. International Journal of Molecular Sciences, 2022, 23, 917.	4.1	2
21	Ca Depletion and Ablation of Calsequestrin Similarly Increase the Evacuability of the Ca Store of Skeletal Muscle. Biophysical Journal, 2010, 98, 295a.	0.5	1
22	Assessing the Potential of Nutraceuticals as Geroprotectors on Muscle Performance and Cognition in Aging Mice. Antioxidants, 2021, 10, 1415.	5.1	1
23	Indo-1 Hybrid Biosensors For Calcium Monitoring In Cellular Organelles. Biophysical Journal, 2009, 96, 541a.	0.5	0
24	Effects of High [BAPTA] Inside Mouse Muscle Fibers Reveal a Role of Calcium in the Termination of Voltage-Operated Calcium Release from the SR. Biophysical Journal, 2010, 98, 294a.	0.5	0
25	D4cpv-Casq1. A Novel Approach for Targeting Biosensors Yields Detailed Dynamic Imaging of Calcium Concentration Inside the Sarcoplasmic Reticulum of Living Cells. Biophysical Journal, 2010, 98, 294a-295a.	0.5	0
26	Measurement of Intra-SR [Ca2+] Reveals Changes in SR Ca2+ Permeability During Intracellular Ca2+ Release in Skeletal Muscle. Biophysical Journal, 2011, 100, 593a.	0.5	0
27	Two-Edged Sword: The Ca2+ Biosensor D4cpv-Calsequestrin Restores Functionality to Calsequestrin-Null Muscle. Biophysical Journal, 2012, 102, 362a-363a.	0.5	0
28	Direct Quantification of Calsequestrin-Dependent Buffering in the Calcium Store of Skeletal Muscle. Biophysical Journal, 2012, 102, 362a.	0.5	0
29	Dual Roles of Extracellular Calcium in Excitation-Contraction Coupling of Mouse Skeletal Muscle. Biophysical Journal, 2012, 102, 363a.	0.5	0
30	Myostatin Deficient Mice Display Altered Calcium Signaling. Biophysical Journal, 2013, 104, 289a.	0.5	0
31	Expression of the Embryonic Cav1.1 Splice Variant in Adult Mice Alters Excitation-Contraction Coupling but Does not Cause Dystrophic Myotonia. Biophysical Journal, 2014, 106, 126a.	0.5	0
32	The Mstn-Cmpt Dl1Abc- Mice. A Mouse Model to Study Muscle Weakness, Fatigue and Soce. Biophysical Journal, 2014, 106, 128a-129a.	0.5	0
33	Calcium Sparklets in Intact Mammalian Skeletal Muscle Fibers Expressing the Embryonic CaV1.1 Splice Variant. Biophysical Journal, 2015, 108, 504a.	0.5	0