Liron Boyman

List of Publications by Year
in descending order

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23 papers	1,504 citations	623734 14 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	2324 citing authors

#	Article	IF	Citations
1	Pyruvate-Driven Oxidative Phosphorylation is Downregulated in Sepsis-Induced Cardiomyopathy: A Study of Mitochondrial Proteome. Shock, 2022, 57, 553-564.	2.1	16
2	Career pathways, part 8. Nature Metabolism, 2022, , .	11.9	0
3	Understanding the Dynamics of the Transient and Permanent Opening Events of the Mitochondrial Permeability Transition Pore with a Novel Stochastic Model. Membranes, 2022, 12, 494.	3.0	3
4	Calcium influx through the mitochondrial calcium uniporter holocomplex, MCUcx. Journal of Molecular and Cellular Cardiology, 2021, 151, 145-154.	1.9	24
5	Parkin-independent mitophagy via Drp1-mediated outer membrane severing and inner membrane ubiquitination. Journal of Cell Biology, 2021, 220, .	5.2	29
6	The mechanism of MICU-dependent gating of the mitochondrial Ca2+uniporter. ELife, 2021, 10, .	6.0	39
7	Calcium Signaling Silencing in Atrial Fibrillation: Implications for Atrial Sodium Homeostasis. International Journal of Molecular Sciences, 2021, 22, 10513.	4.1	5
8	Regulation of Mitochondrial ATP Production: Ca2+ Signaling and Quality Control. Trends in Molecular Medicine, 2020, 26, 21-39.	6.7	134
9	How the mitochondrial calcium uniporter complex (MCU _{cx}) works. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22634-22636.	7.1	11
10	Voltage-energized calcium-sensitive ATP production by mitochondria. Nature Metabolism, 2019, 1, 975-984.	11.9	101
11	Dynamics of the mitochondrial permeability transition pore: Transient and permanent opening events. Archives of Biochemistry and Biophysics, 2019, 666, 31-39.	3.0	46
12	Real-time local oxygen measurements for high resolution cellular imaging. Journal of Molecular and Cellular Cardiology, 2019, 127, 97-104.	1.9	1
13	Mitochondrial E3 ubiquitin ligase MARCH5 controls mitochondrial fission and cell sensitivity to stress-induced apoptosis through regulation of MiD49 protein. Molecular Biology of the Cell, 2016, 27, 349-359.	2.1	117
14	Transient assembly of F-actin on the outer mitochondrial membrane contributes to mitochondrial fission. Journal of Cell Biology, 2015, 208, 109-123.	5.2	180
15	The growing importance of mitochondrial calcium in health and disease. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11150-11151.	7.1	11
16	Mitochondrial calcium and the regulation of metabolism in the heart. Journal of Molecular and Cellular Cardiology, 2015, 78, 35-45.	1.9	156
17	Calcium Movement in Cardiac Mitochondria. Biophysical Journal, 2014, 107, 1289-1301.	0.5	64
18	NCLX: The mitochondrial sodium calcium exchanger. Journal of Molecular and Cellular Cardiology, 2013, 59, 205-213.	1.9	132

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19	Mitochondrial calcium uptake. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10479-10486.	7.1	301
20	Proton-sensing Ca2+ Binding Domains Regulate the Cardiac Na+/Ca2+ Exchanger. Journal of Biological Chemistry, 2011, 286, 28811-28820.	3.4	54
21	Kinetic and Equilibrium Properties of Regulatory Calcium Sensors of NCX1 Protein. Journal of Biological Chemistry, 2009, 284, 6185-6193.	3.4	57
22	Direct Loading of the Purified Endogenous Inhibitor into the Cytoplasm of Patched Cardiomyocytes Blocks the Ion Currents and Calcium Transport through the NCX1 Proteinâ€. Biochemistry, 2008, 47, 6602-6611.	2.5	10
23	Advanced procedures for separation and analysis of low molecular weight inhibitor (NCXIF) of the cardiac sodiumâ€“calcium exchanger. Biochemical and Biophysical Research Communications, 2005, 337, 936-943.	2.1	9