Steven J Sollott

List of Publications by Year
in descending order

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24 papers	8,957 citations	430843 18 h-index	642715 23 g-index
25 all docs	25 docs citations	25 times ranked	12616 citing authors

#	Article	IF	Citations
1	Mitochondrial Reactive Oxygen Species (ROS) and ROS-Induced ROS Release. Physiological Reviews, 2014, 94, 909-950.	28.8	3,274
2	Reactive Oxygen Species (Ros-Induced) Ros Release. Journal of Experimental Medicine, 2000, 192, 1001-1014.	8.5	1,263
3	Mitochondrial membrane potential. Analytical Biochemistry, 2018, 552, 50-59.	2.4	1,161
4	Mitochondrial ROS-induced ROS release: An update and review. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 509-517.	1.0	892
5	Glycogen synthase kinase-3Î² mediates convergence of protection signaling to inhibit the mitochondrial permeability transition pore. Journal of Clinical Investigation, 2004, 113, 1535-1549.	8.2	854
6	Role of Glycogen Synthase Kinase-3Î² in Cardioprotection. Circulation Research, 2009, 104, 1240-1252.	4.5	330
7	Endogenous nitric oxide mechanisms mediate the stretch dependence of Ca2+ release in cardiomyocytes. Nature Cell Biology, 2001, 3, 867-873.	10.3	295
8	Regulation and pharmacology of the mitochondrial permeability transition pore. Cardiovascular Research, 2009, 83, 213-225.	3.8	208
9	Protection in the aged heart: preventing the heart-break of old age?. Cardiovascular Research, 2005, 66, 233-244.	3.8	127
10	The Identity and Regulation of the Mitochondrial Permeability Transition Pore. Annals of the New York Academy of Sciences, 2008, 1123, 197-212.	3.8	122
11	Examining Intracellular Organelle Function Using Fluorescent Probes. Circulation Research, 2004, 95, 239-252.	4.5	77
12	Mitochondrial health, the epigenome and healthspan. Clinical Science, 2016, 130, 1285-1305.	4.3	57
13	Blueberry-Enriched Diet Protects Rat Heart from Ischemic Damage. PLoS ONE, 2009, 4, e5954.	2.5	54
14	Mitochondrial respiration and ROS emission during Î²-oxidation in the heart: An experimental-computational study. PLoS Computational Biology, 2017, 13, e1005588.	3.2	51
15	Ca2+/calmodulin-activated phosphodiesterase 1A is highly expressed in rabbit cardiac sinoatrial nodal cells and regulates pacemaker function. Journal of Molecular and Cellular Cardiology, 2016, 98, 73-82.	1.9	34
16	The Old Heart: Operating on the Edge. Novartis Foundation Symposium, 2008, 235, 172-201.	1.1	28
17	ATP Synthase K+- and H+-Fluxes Drive ATP Synthesis and Enable Mitochondrial K+-â€œUniporterâ€• Function: I. Characterization of Ion Fluxes. Function, 2022, 3, zqab065.	2.3	25
18	Mitochondrial Ca2+, redox environment and ROS emission in heart failure: Two sides of the same coin?. Journal of Molecular and Cellular Cardiology, 2021, 151, 113-125.	1.9	24

#	Article	IF	Citations
19	Mitochondrial health is enhanced in rats with higher vs. lower intrinsic exercise capacity and extended lifespan. Npj Aging and Mechanisms of Disease, 2021, 7, 1.	4.5	20
20	ATP synthase K+- and H+-fluxes drive ATP synthesis and enable mitochondrial K+-â€œuniporterâ€•function: II. Ion and ATP synthase flux regulation. Function, 2022, 3, zqac001.	2.3	20
21	Glucagon-like peptide-1 does not mediate amylase release from AR42J cells. , 1999, 181, 470-478.		17
22	Setting the Record Straight: A New Twist on the Chemiosmotic Mechanism of Oxidative Phosphorylation. Function, 2022, 3, .	2.3	8
23	Computational modeling of mitochondrial K+- and H+-driven ATP synthesis. Journal of Molecular and Cellular Cardiology, 2022, 165, 9-18.	1.9	7
24	HNO Protects the Myocardium against Reperfusion Injury, Inhibiting the mPTP Opening via PKCÎµ Activation. Antioxidants, 2022, 11, 382.	5.1	6