

Steven J Sollott

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

6,407
citations

17
h-index

25
g-index

25
ext. papers

7,690
ext. citations

9.9
avg, IF

5.92
L-index

#	Paper	IF	Citations
22	Mitochondrial reactive oxygen species (ROS) and ROS-induced ROS release. <i>Physiological Reviews</i> , 2014 , 94, 909-50	47.9	1961
21	Reactive oxygen species (ROS)-induced ROS release: a new phenomenon accompanying induction of the mitochondrial permeability transition in cardiac myocytes. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1001-14	16.6	1109
20	Mitochondrial ROS-induced ROS release: an update and review. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 509-17	4.6	754
19	Glycogen synthase kinase-3beta mediates convergence of protection signaling to inhibit the mitochondrial permeability transition pore. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1535-49	15.9	741
18	Mitochondrial membrane potential. <i>Analytical Biochemistry</i> , 2018 , 552, 50-59	3.1	622
17	Role of glycogen synthase kinase-3beta in cardioprotection. <i>Circulation Research</i> , 2009 , 104, 1240-52	15.7	286
16	Endogenous nitric oxide mechanisms mediate the stretch dependence of Ca ²⁺ release in cardiomyocytes. <i>Nature Cell Biology</i> , 2001 , 3, 867-73	23.4	270
15	Regulation and pharmacology of the mitochondrial permeability transition pore. <i>Cardiovascular Research</i> , 2009 , 83, 213-25	9.9	177
14	The identity and regulation of the mitochondrial permeability transition pore: where the known meets the unknown. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1123, 197-212	6.5	108
13	Protection in the aged heart: preventing the heart-break of old age?. <i>Cardiovascular Research</i> , 2005 , 66, 233-44	9.9	105
12	Examining intracellular organelle function using fluorescent probes: from animalcules to quantum dots. <i>Circulation Research</i> , 2004 , 95, 239-52	15.7	62
11	Blueberry-enriched diet protects rat heart from ischemic damage. <i>PLoS ONE</i> , 2009 , 4, e5954	3.7	41
10	Mitochondrial health, the epigenome and healthspan. <i>Clinical Science</i> , 2016 , 130, 1285-305	6.5	37
9	Mitochondrial respiration and ROS emission during oxidation in the heart: An experimental-computational study. <i>PLoS Computational Biology</i> , 2017 , 13, e1005588	5	36
8	Ca(2+)/calmodulin-activated phosphodiesterase 1A is highly expressed in rabbit cardiac sinoatrial nodal cells and regulates pacemaker function. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 98, 73-82	5.8	21
7	The old heart: operating on the edge. <i>Novartis Foundation Symposium</i> , 2001 , 235, 172-96; discussion 196-201, 217-20		20
6	Glucagon-like peptide-1 does not mediate amylase release from AR42J cells. <i>Journal of Cellular Physiology</i> , 1999 , 181, 470-8	7	17

5	Mitochondrial Ca, redox environment and ROS emission in heart failure: Two sides of the same coin?. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 151, 113-125	5.8	11
4	ATP Synthase K- and H-fluxes Drive ATP Synthesis and Enable Mitochondrial K-"Uniporter" Function: II. Ion and ATP Synthase Flux Regulation.. <i>Function</i> , 2022 , 3, zqac001	6.1	8
3	ATP Synthase K- and H-Fluxes Drive ATP Synthesis and Enable Mitochondrial K-"Uniporter" Function: I. Characterization of Ion Fluxes.. <i>Function</i> , 2022 , 3, zqab065	6.1	7
2	Mitochondrial health is enhanced in rats with higher vs. lower intrinsic exercise capacity and extended lifespan. <i>Npj Aging and Mechanisms of Disease</i> , 2021 , 7, 1	5.5	7
1	Computational modeling of mitochondrial K- and H-driven ATP synthesis.. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 165, 9-18	5.8	3