

Scot C Leary

List of Publications by Year in descending order

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43
papers

3,101
citations

201674

27
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265206

42
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46
all docs

46
docs citations

46
times ranked

3332
citing authors

#	ARTICLE	IF	CITATIONS
1	The Energy Sensor AMPK \pm 1 Is Critical in Rapamycin-Inhibition of mTORC1-S6K-Induced T-cell Memory. International Journal of Molecular Sciences, 2022, 23, 37.	4.1	7
2	Prosurvival IL-7 $\hat{=}$ “Stimulated Weak Strength of mTORC1-S6K Controls T Cell Memory via Transcriptional FOXO1 $\hat{=}$ “TCF1 $\hat{=}$ “Id3 and Metabolic AMPK \pm 1 $\hat{=}$ “ULK1 $\hat{=}$ “ATG7 Pathways. Journal of Immunology, 2022, 208, 155-168.	0.8	7
3	Distinct strengths of mTORC1 control T-cell memory via transcriptional FOXO1 and metabolic AMPK \pm 1 pathways in linear cell differentiation and asymmetric cell division models. , 2022, , .		1
4	Getting out what you put in: Copper in mitochondria and its impacts on human disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118867.	4.1	103
5	The A $\hat{=}$ 2(1 $\hat{=}$ “38) peptide is a negative regulator of the A $\hat{=}$ 2(1 $\hat{=}$ “42) peptide implicated in Alzheimer disease progression. Scientific Reports, 2021, 11, 431.	3.3	32
6	Mitochondrial copper and phosphate transporter specificity was defined early in the evolution of eukaryotes. ELife, 2021, 10, .	6.0	19
7	Homeostatic control of nuclear-encoded mitochondrial gene expression by the histone variant H2A.Z is essential for neuronal survival. Cell Reports, 2021, 36, 109704.	6.4	2
8	Advances in visualization of copper in mammalian systems using X-ray fluorescence microscopy. Current Opinion in Chemical Biology, 2020, 55, 19-25.	6.1	17
9	Cellular Uptake and Distribution of Gemini Surfactant Nanoparticles Used as Gene Delivery Agents. AAPS Journal, 2019, 21, 98.	4.4	9
10	COA6 Is Structurally Tuned to Function as a Thiol-Disulfide Oxidoreductase in Copper Delivery to Mitochondrial Cytochrome c Oxidase. Cell Reports, 2019, 29, 4114-4126.e5.	6.4	37
11	The determination of gemini surfactants used as gene delivery agents in cellular matrix using validated tandem mass spectrometric method. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 164-172.	2.8	3
12	Building the CuA site of cytochrome c oxidase: A complicated, redox-dependent process driven by a surprisingly large complement of accessory proteins. Journal of Biological Chemistry, 2018, 293, 4644-4652.	3.4	36
13	The mammalian phosphate carrier SLC25A3 is a mitochondrial copper transporter required for cytochrome c oxidase biogenesis. Journal of Biological Chemistry, 2018, 293, 1887-1896.	3.4	105
14	Elesclomol restores mitochondrial function in genetic models of copper deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8161-8166.	7.1	63
15	The mitochondrial metallochaperone SCO1 maintains CTR1 at the plasma membrane to preserve copper homeostasis in the murine heart. Human Molecular Genetics, 2017, 26, 4617-4628.	2.9	20
16	The mitochondrion: a central architect of copper homeostasis. Metallomics, 2017, 9, 1501-1512.	2.4	105
17	IL-15 signaling promotes adoptive effector T-cell survival and memory formation in irradiation-induced lymphopenia. Cell and Bioscience, 2016, 6, 30.	4.8	32
18	The intrinsically kinase-inactive EPHB6 receptor predisposes cancer cells to DR5-induced apoptosis by promoting mitochondrial fragmentation. Oncotarget, 2016, 7, 77865-77877.	1.8	13

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19	The Mitochondrial Metallochaperone SCO1 Is Required to Sustain Expression of the High-Affinity Copper Transporter CTR1 and Preserve Copper Homeostasis. <i>Cell Reports</i> , 2015, 10, 933-943.	6.4	37
20	Cooperation between COA6 and SCO2 in COX2 Maturation during Cytochrome c Oxidase Assembly Links Two Mitochondrial Cardiomyopathies. <i>Cell Metabolism</i> , 2015, 21, 823-833.	16.2	68
21	Human COX20 cooperates with SCO1 and SCO2 to mature COX2 and promote the assembly of cytochrome c oxidase. <i>Human Molecular Genetics</i> , 2014, 23, 2901-2913.	2.9	82
22	Novel Mutations in <i>SCO1</i> as a Cause of Fatal Infantile Encephalopathy and Lactic Acidosis. <i>Human Mutation</i> , 2013, 34, 1366-1370.	2.5	36
23	COX19 mediates the transduction of a mitochondrial redox signal from SCO1 that regulates ATP7A-mediated cellular copper efflux. <i>Molecular Biology of the Cell</i> , 2013, 24, 683-691.	2.1	58
24	Copper Import into the Mitochondrial Matrix in <i>Saccharomyces cerevisiae</i> Is Mediated by Pic2, a Mitochondrial Carrier Family Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 23884-23892.	3.4	91
25	Blue Native Polyacrylamide Gel Electrophoresis: A Powerful Diagnostic Tool for the Detection of Assembly Defects in the Enzyme Complexes of Oxidative Phosphorylation. <i>Methods in Molecular Biology</i> , 2012, 837, 195-206.	0.9	18
26	A Targetable Fluorescent Sensor Reveals That Copper-Deficient <i>SCO1</i> and <i>SCO2</i> Patient Cells Prioritize Mitochondrial Copper Homeostasis. <i>Journal of the American Chemical Society</i> , 2011, 133, 8606-8616.	13.7	255
27	Redox Regulation of SCO Protein Function: Controlling Copper at a Mitochondrial Crossroad. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1403-1416.	5.4	79
28	Human SCO2 is required for the synthesis of CO II and as a thiol-disulphide oxidoreductase for SCO1. <i>Human Molecular Genetics</i> , 2009, 18, 2230-2240.	2.9	139
29	p53 Improves Aerobic Exercise Capacity and Augments Skeletal Muscle Mitochondrial DNA Content. <i>Circulation Research</i> , 2009, 105, 705-712.	4.5	164
30	“Pulling the plug” on cellular copper: The role of mitochondria in copper export. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 146-153.	4.1	103
31	Oxidative Phosphorylation: Synthesis of Mitochondrially Encoded Proteins and Assembly of Individual Structural Subunits into Functional Holoenzyme Complexes. <i>Methods in Molecular Biology</i> , 2009, 554, 143-162.	0.9	48
32	Isolated Cytochrome c Oxidase Deficiency in G93A SOD1 Mice Overexpressing CCS Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 12267-12275.	3.4	41
33	The Human Cytochrome c Oxidase Assembly Factors SCO1 and SCO2 Have Regulatory Roles in the Maintenance of Cellular Copper Homeostasis. <i>Cell Metabolism</i> , 2007, 5, 9-20.	16.2	197
34	The Janus face of copper: its expanding roles in biology and the pathophysiology of disease. <i>EMBO Reports</i> , 2007, 8, 224-227.	4.5	22
35	A hemizygous SCO2 mutation in an early onset rapidly progressive, fatal cardiomyopathy. <i>Molecular Genetics and Metabolism</i> , 2006, 89, 129-133.	1.1	27
36	The P174L Mutation in Human Sco1 Severely Compromises Cox17-dependent Metallation but Does Not Impair Copper Binding. <i>Journal of Biological Chemistry</i> , 2006, 281, 12270-12276.	3.4	34

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37	Human Sco1 and Sco2 Function as Copper-binding Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 34113-34122.	3.4	147
38	Human SCO1 and SCO2 have independent, cooperative functions in copper delivery to cytochrome c oxidase. <i>Human Molecular Genetics</i> , 2004, 13, 1839-1848.	2.9	203
39	Bioenergetic remodeling during cellular differentiation: changes in cytochrome c oxidase regulation do not affect the metabolic phenotype. <i>Biochemistry and Cell Biology</i> , 2004, 82, 391-399.	2.0	28
40	Mitochondrial biogenesis: Which part of "NO" do we understand?. <i>BioEssays</i> , 2003, 25, 538-541.	2.5	27
41	Mutations in COX15 Produce a Defect in the Mitochondrial Heme Biosynthetic Pathway, Causing Early-Onset Fatal Hypertrophic Cardiomyopathy. <i>American Journal of Human Genetics</i> , 2003, 72, 101-114.	6.2	296
42	Mutations in COX10 result in a defect in mitochondrial heme A biosynthesis and account for multiple, early-onset clinical phenotypes associated with isolated COX deficiency. <i>Human Molecular Genetics</i> , 2003, 12, 2693-2702.	2.9	219
43	Chronic Treatment with Azide in Situ Leads to an Irreversible Loss of Cytochrome c Oxidase Activity via Holoenzyme Dissociation. <i>Journal of Biological Chemistry</i> , 2002, 277, 11321-11328.	3.4	70