

Orian S Shirihai

List of Publications by Year in descending order

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Version: 2024-02-01

143
papers

26,643
citations

18436

62
h-index

10424

139
g-index

154
all docs

154
docs citations

154
times ranked

42057
citing authors

#	ARTICLE	IF	CITATIONS
1	ATP-consuming futile cycles as energy dissipating mechanisms to counteract obesity. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 121-131.	2.6	33
2	Deletion of ABCB10 in beta-cells protects from high-fat diet induced insulin resistance. <i>Molecular Metabolism</i> , 2022, 55, 101403.	3.0	0
3	Mitochondrial oxidative function in NAFLD: Friend or foe?. <i>Molecular Metabolism</i> , 2021, 50, 101134.	3.0	53
4	Forces, Fluxes, and Fuels: Tracking mitochondrial metabolism by integrating measurements of membrane potential, respiration, and metabolites. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C80-C91.	2.1	10
5	IRGM1 links mitochondrial quality control to autoimmunity. <i>Nature Immunology</i> , 2021, 22, 312-321.	7.0	67
6	The ApoA-I mimetic peptide 4F attenuates in vitro replication of SARS-CoV-2, associated apoptosis, oxidative stress and inflammation in epithelial cells. <i>Virulence</i> , 2021, 12, 2214-2227.	1.8	9
7	Isolation and functional analysis of peridroplet mitochondria from murine brown adipose tissue. <i>STAR Protocols</i> , 2021, 2, 100243.	0.5	11
8	Abstract 2818: In vivo imaging of mitochondrial bioenergetics in lung cancer. , 2021, , .		0
9	Patient-specific iPSCs carrying an SFTPC mutation reveal the intrinsic alveolar epithelial dysfunction at the inception of interstitial lung disease. <i>Cell Reports</i> , 2021, 36, 109636.	2.9	48
10	Mitochondrial Heterogeneity in Metabolic Diseases. <i>Biology</i> , 2021, 10, 927.	1.3	14
11	Utilization of Human Samples for Assessment of Mitochondrial Bioenergetics: Gold Standards, Limitations, and Future Perspectives. <i>Life</i> , 2021, 11, 949.	1.1	13
12	Recruitment and remodeling of peridroplet mitochondria in human adipose tissue. <i>Redox Biology</i> , 2021, 46, 102087.	3.9	17
13	High-Throughput Image Analysis of Lipid-Droplet-Bound Mitochondria. <i>Methods in Molecular Biology</i> , 2021, 2276, 285-303.	0.4	2
14	DLST-dependence dictates metabolic heterogeneity in TCA-cycle usage among triple-negative breast cancer. <i>Communications Biology</i> , 2021, 4, 1289.	2.0	30
15	Emerging roles of β^2 -cell mitochondria in type-2-diabetes. <i>Molecular Aspects of Medicine</i> , 2020, 71, 100843.	2.7	39
16	Mitochondrial Proton Leak Regulated by Cyclophilin D Elevates Insulin Secretion in Islets at Nonstimulatory Glucose Levels. <i>Diabetes</i> , 2020, 69, 131-145.	0.3	26
17	A new target for an old DUB: UCH-L1 regulates mitofusin-2 levels, altering mitochondrial morphology, function and calcium uptake. <i>Redox Biology</i> , 2020, 37, 101676.	3.9	17
18	Erythroid Differentiation and Heme Biosynthesis Are Dependent on a Shift in the Balance of Mitochondrial Fusion and Fission Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 592035.	1.8	16

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19	Estrogen receptor $\hat{\pm}$ controls metabolism in white and brown adipocytes by regulating <i>Polg1</i> and mitochondrial remodeling. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	64
20	Ellagic Acid and Its Microbial Metabolite Urolithin A Alleviate Diet-Induced Insulin Resistance in Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000091.	1.5	23
21	Fgr kinase is required for proinflammatory macrophage activation during diet-induced obesity. <i>Nature Metabolism</i> , 2020, 2, 974-988.	5.1	40
22	Measuring Mitochondrial Respiration in Previously Frozen Biological Samples. <i>Current Protocols in Cell Biology</i> , 2020, 89, e116.	2.3	26
23	Method for live-cell super-resolution imaging of mitochondrial cristae and quantification of submitochondrial membrane potentials. <i>Methods in Cell Biology</i> , 2020, 155, 545-555.	0.5	7
24	COQ11 deletion mitigates respiratory deficiency caused by mutations in the gene encoding the coenzyme Q chaperone protein Coq10. <i>Journal of Biological Chemistry</i> , 2020, 295, 6023-6042.	1.6	11
25	Reply to: In vivo quantification of mitochondrial membrane potential. <i>Nature</i> , 2020, 583, E19-E20.	13.7	2
26	NCLX prevents cell death during adrenergic activation of the brown adipose tissue. <i>Nature Communications</i> , 2020, 11, 3347.	5.8	31
27	Cristae undergo continuous cycles of membrane remodelling in a <i>MICOS</i> -dependent manner. <i>EMBO Reports</i> , 2020, 21, e49776.	2.0	106
28	The biology of lipid droplet-bound mitochondria. <i>Seminars in Cell and Developmental Biology</i> , 2020, 108, 55-64.	2.3	38
29	MitoTimer-based high-content screen identifies two chemically-related benzothiophene derivatives that enhance basal mitophagy. <i>Biochemical Journal</i> , 2020, 477, 461-475.	1.7	11
30	A novel approach to measure mitochondrial respiration in frozen biological samples. <i>EMBO Journal</i> , 2020, 39, e104073.	3.5	110
31	Blocking mitochondrial pyruvate import in brown adipocytes induces energy wasting via lipid cycling. <i>EMBO Reports</i> , 2020, 21, e49634.	2.0	31
32	Quantification of cristae architecture reveals time-dependent characteristics of individual mitochondria. <i>Life Science Alliance</i> , 2020, 3, e201900620.	1.3	29
33	Modulating lysosomal pH: a molecular and nanoscale materials design perspective. <i>Journal of Life Sciences (Westlake Village, Calif)</i> , 2020, 2, 25-37.	1.8	17
34	Individual cristae within the same mitochondrion display different membrane potentials and are functionally independent. <i>EMBO Journal</i> , 2019, 38, e101056.	3.5	204
35	Mitochondrial morphology regulates organellar Ca^{2+} uptake and changes cellular Ca^{2+} homeostasis. <i>FASEB Journal</i> , 2019, 33, 13176-13188.	0.2	90
36	Degradable Nanoparticles Restore Lysosomal pH and Autophagic Flux in Lipotoxic Pancreatic Beta Cells. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801511.	3.9	23

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37	IAPP toxicity activates HIF1 α /PFKFB3 signaling delaying β -cell loss at the expense of β -cell function. Nature Communications, 2019, 10, 2679.	5.8	55
38	Mitochondria Bound to Lipid Droplets: Where Mitochondrial Dynamics Regulate Lipid Storage and Utilization. Cell Metabolism, 2019, 29, 827-835.	7.2	179
39	A Thermogenic-Like Brown Adipose Tissue Phenotype Is Dispensable for Enhanced Glucose Tolerance in Female Mice. Diabetes, 2019, 68, 1717-1729.	0.3	12
40	To Fis or not to Fuse? This is the question!. EMBO Journal, 2019, 38, .	3.5	12
41	The OXPHOS supercomplex assembly factor HIG2A responds to changes in energetic metabolism and cell cycle. Journal of Cellular Physiology, 2019, 234, 17405-17419.	2.0	18
42	In vivo imaging of mitochondrial membrane potential in non-small-cell lung cancer. Nature, 2019, 575, 380-384.	13.7	143
43	Nanoparticle-mediated lysosomal reacidification restores mitochondrial turnover and function in β cells under lipotoxicity. FASEB Journal, 2019, 33, 4154-4165.	0.2	29
44	The impact of exercise on mitochondrial dynamics and the role of Drp1 in exercise performance and training adaptations in skeletal muscle. Molecular Metabolism, 2019, 21, 51-67.	3.0	83
45	A thermogenic-like brown adipose tissue phenotype is dispensable for enhanced glucose tolerance in female mice. FASEB Journal, 2019, 33, lb564.	0.2	0
46	Mitochondria Bound to Lipid Droplets Have Unique Bioenergetics, Composition, and Dynamics that Support Lipid Droplet Expansion. Cell Metabolism, 2018, 27, 869-885.e6.	7.2	359
47	Mitochondrial DNA and TLR9 drive muscle inflammation upon Opa1 deficiency. EMBO Journal, 2018, 37, .	3.5	139
48	Cell culture models of fatty acid overload: Problems and solutions. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 143-151.	1.2	87
49	Individual islet respirometry reveals functional diversity within the islet population of mice and human donors. Molecular Metabolism, 2018, 16, 150-159.	3.0	32
50	Mitochondrial adaptation in obesity is a complicated business. EMBO Reports, 2018, 19, .	2.0	0
51	A precision therapeutic strategy for hexokinase 1-null, hexokinase 2-positive cancers. Cancer & Metabolism, 2018, 6, 7.	2.4	25
52	Initial B Cell Activation Induces Metabolic Reprogramming and Mitochondrial Remodeling. IScience, 2018, 5, 99-109.	1.9	205
53	Modulation of mTOR signaling as a strategy for the treatment of Pompe disease. EMBO Molecular Medicine, 2017, 9, 353-370.	3.3	83
54	Pseudotemporal Ordering of Single Cells Reveals Metabolic Control of Postnatal β Cell Proliferation. Cell Metabolism, 2017, 25, 1160-1175.e11.	7.2	128

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55	Mfn2 deletion in brown adipose tissue protects from insulin resistance and impairs thermogenesis. <i>EMBO Reports</i> , 2017, 18, 1123-1138.	2.0	89
56	Optogenetic control of mitochondrial metabolism and Ca ²⁺ signaling by mitochondria-targeted opsins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5167-E5176.	3.3	52
57	Cell cycle-related metabolism and mitochondrial dynamics in a replication-competent pancreatic beta-cell line. <i>Cell Cycle</i> , 2017, 16, 2086-2099.	1.3	27
58	Diluted serum from calorie-restricted animals promotes mitochondrial cell adaptations and protect against glucolipototoxicity. <i>FEBS Journal</i> , 2016, 283, 822-833.	2.2	25
59	Lysosome acidification by photoactivated nanoparticles restores autophagy under lipotoxicity. <i>Journal of Cell Biology</i> , 2016, 214, 25-34.	2.3	59
60	Proteinuria causes dysfunctional autophagy in the proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F1271-F1279.	1.3	35
61	Cellular Star Trek: A laser-based shuttle transfers mitochondria into cells. <i>Molecular Metabolism</i> , 2016, 5, 805-806.	3.0	0
62	LKB1 loss links serine metabolism to DNA methylation and tumorigenesis. <i>Nature</i> , 2016, 539, 390-395.	13.7	248
63	Murine Mesenchymal Stem Cell Commitment to Differentiation Is Regulated by Mitochondrial Dynamics. <i>Stem Cells</i> , 2016, 34, 743-755.	1.4	164
64	Nanoparticle tumor localization, disruption of autophagosomal trafficking, and prolonged drug delivery improve survival in peritoneal mesothelioma. <i>Biomaterials</i> , 2016, 102, 175-186.	5.7	25
65	Mitochondrial Networking in T Cell Memory. <i>Cell</i> , 2016, 166, 9-10.	13.5	21
66	Mitochondrial Reactive Oxygen Species Mediate Cardiac Structural, Functional, and Mitochondrial Consequences of Diet-Induced Metabolic Heart Disease. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	85
67	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
68	Restoration of autophagy in endothelial cells from patients with diabetes mellitus improves nitric oxide signaling. <i>Atherosclerosis</i> , 2016, 247, 207-217.	0.4	84
69	Autocrine effect of vascular endothelial growth factor-A is essential for mitochondrial function in brown adipocytes. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 26-35.	1.5	42
70	BET Bromodomain Proteins Brd2, Brd3 and Brd4 Selectively Regulate Metabolic Pathways in the Pancreatic β -Cell. <i>PLoS ONE</i> , 2016, 11, e0151329.	1.1	65
71	Mutations in LRRK2 potentiate age-related impairment of autophagic flux. <i>Molecular Neurodegeneration</i> , 2015, 10, 26.	4.4	54
72	ATP Binding and Hydrolysis Properties of ABCB10 and Their Regulation by Glutathione. <i>PLoS ONE</i> , 2015, 10, e0129772.	1.1	13

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73	Emergence of a Stage-Dependent Human Liver Disease Signature with Directed Differentiation of Alpha-1 Antitrypsin-Deficient iPS Cells. <i>Stem Cell Reports</i> , 2015, 4, 873-885.	2.3	77
74	Mitochondrial remodeling in mice with cardiomyocyte-specific lipid overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 275-283.	0.9	52
75	How Mitochondrial Dynamism Orchestrates Mitophagy. <i>Circulation Research</i> , 2015, 116, 1835-1849.	2.0	247
76	A REDD1/TXNIP pro-oxidant complex regulates ATG4B activity to control stress-induced autophagy and sustain exercise capacity. <i>Nature Communications</i> , 2015, 6, 7014.	5.8	157
77	Integrated, Step-Wise, Mass-Isotopomeric Flux Analysis of the TCA Cycle. <i>Cell Metabolism</i> , 2015, 22, 936-947.	7.2	106
78	High fat, high sucrose diet causes cardiac mitochondrial dysfunction due in part to oxidative post-translational modification of mitochondrial complex II. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 78, 165-173.	0.9	68
79	Assessment of Brown Adipocyte Thermogenic Function by High-throughput Respirometry. <i>Bio-protocol</i> , 2015, 5, .	0.2	2
80	Hormone-induced mitochondrial fission is utilized by brown adipocytes as an amplification pathway for energy expenditure. <i>EMBO Journal</i> , 2014, 33, n/a-n/a.	3.5	185
81	Measurement of Mitochondrial Turnover and Life Cycle Using MitoTimer. <i>Methods in Enzymology</i> , 2014, 547, 21-38.	0.4	16
82	Lysosomal dysfunction and impaired autophagy underlie the pathogenesis of amyloidogenic light chain-mediated cardiotoxicity. <i>EMBO Molecular Medicine</i> , 2014, 6, 1493-1507.	3.3	106
83	Bactericidal Antibiotics Induce Mitochondrial Dysfunction and Oxidative Damage in Mammalian Cells. <i>Science Translational Medicine</i> , 2013, 5, 192ra85.	5.8	391
84	Mitochondrial Dynamics in the Regulation of Nutrient Utilization and Energy Expenditure. <i>Cell Metabolism</i> , 2013, 17, 491-506.	7.2	1,043
85	Mitochondrial morphology transitions and functions: implications for retrograde signaling?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R393-R406.	0.9	242
86	Optimal Dynamics for Quality Control in Spatially Distributed Mitochondrial Networks. <i>PLoS Computational Biology</i> , 2013, 9, e1003108.	1.5	54
87	ATP-Binding Cassette B10 Regulates Early Steps of Heme Synthesis. <i>Circulation Research</i> , 2013, 113, 279-287.	2.0	50
88	MitoTimer probe reveals the impact of autophagy, fusion, and motility on subcellular distribution of young and old mitochondrial protein and on relative mitochondrial protein age. <i>Autophagy</i> , 2013, 9, 1887-1896.	4.3	100
89	Mitochondrial fusion, fission and autophagy: Impact of diet on mitochondrial quality control. <i>FASEB Journal</i> , 2013, 27, .	0.2	1
90	Mitochondrial dynamics regulate brown adipocyte energy expenditure. <i>FASEB Journal</i> , 2013, 27, 582.4.	0.2	0

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91	Defective Mitochondrial Morphology and Bioenergetic Function in Mice Lacking the Transcription Factor Yin Yang 1 in Skeletal Muscle. <i>Molecular and Cellular Biology</i> , 2012, 32, 3333-3346.	1.1	77
92	Mitochondria Distinguish Granule-Stored from de novo Synthesized Tumor Necrosis Factor Secretion in Human Mast Cells. <i>International Archives of Allergy and Immunology</i> , 2012, 159, 23-32.	0.9	33
93	Mitochondrial autophagy in cells with mtDNA mutations results from synergistic loss of transmembrane potential and mTORC1 inhibition. <i>Human Molecular Genetics</i> , 2012, 21, 978-990.	1.4	144
94	Association of Genetic Variation in the Mitochondrial Genome With Blood Pressure and Metabolic Traits. <i>Hypertension</i> , 2012, 60, 949-956.	1.3	38
95	Antitelomerase Therapy Provokes ALT and Mitochondrial Adaptive Mechanisms in Cancer. <i>Cell</i> , 2012, 148, 651-663.	13.5	240
96	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
97	Mitochondrial ABC transporters function: The role of ABCB10 (ABC-me) as a novel player in cellular handling of reactive oxygen species. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1945-1957.	1.9	68
98	Mitochondrial dynamics and morphology in beta-cells. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012, 26, 725-738.	2.2	71
99	Metabolic master regulators: sharing information among multiple systems. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 594-601.	3.1	34
100	A Faster, High Resolution, mtPA-GFP-based Mitochondrial Fusion Assay Acquiring Kinetic Data of Multiple Cells in Parallel Using Confocal Microscopy. <i>Journal of Visualized Experiments</i> , 2012, , e3991.	0.2	13
101	Reactive Oxygen Species Stimulate Insulin Secretion in Rat Pancreatic Islets: Studies Using Mono-Oleoyl-Glycerol. <i>PLoS ONE</i> , 2012, 7, e30200.	1.1	57
102	Role of Mitofusin 2 in the Renal Stress Response. <i>PLoS ONE</i> , 2012, 7, e31074.	1.1	53
103	A Novel High-Throughput Assay for Islet Respiration Reveals Uncoupling of Rodent and Human Islets. <i>PLoS ONE</i> , 2012, 7, e33023.	1.1	103
104	Testosterone Plus Low-Intensity Physical Training in Late Life Improves Functional Performance, Skeletal Muscle Mitochondrial Biogenesis, and Mitochondrial Quality Control in Male Mice. <i>PLoS ONE</i> , 2012, 7, e51180.	1.1	55
105	Pancreatic cancers require autophagy for tumor growth. <i>Genes and Development</i> , 2011, 25, 717-729.	2.7	1,224
106	Î²-Cell Uncoupling Protein 2 Regulates Reactive Oxygen Species Production, Which Influences Both Insulin and Glucagon Secretion. <i>Diabetes</i> , 2011, 60, 2710-2719.	0.3	115
107	The Interplay Between Mitochondrial Dynamics and Mitophagy. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1939-1951.	2.5	632
108	Altered Mitochondrial Dynamics Contributes to Endothelial Dysfunction in Diabetes Mellitus. <i>Circulation</i> , 2011, 124, 444-453.	1.6	437

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109	Telomere dysfunction induces metabolic and mitochondrial compromise. <i>Nature</i> , 2011, 470, 359-365.	13.7	1,093
110	Fatty Acids Suppress Autophagic Turnover in β -Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 42534-42544.	1.6	170
111	The dynamin-related GTPase Opa1 is required for glucose-stimulated ATP production in pancreatic beta cells. <i>Molecular Biology of the Cell</i> , 2011, 22, 2235-2245.	0.9	142
112	Mitochondrial Transporter ATP Binding Cassette Mitochondrial Erythroid Is a Novel Gene Required for Cardiac Recovery After Ischemia/Reperfusion. <i>Circulation</i> , 2011, 124, 806-813.	1.6	61
113	Respiration in Adipocytes is Inhibited by Reactive Oxygen Species. <i>Obesity</i> , 2010, 18, 1493-1502.	1.5	72
114	The Lkb1 metabolic sensor maintains haematopoietic stem cell survival. <i>Nature</i> , 2010, 468, 659-663.	13.7	346
115	Biophysical properties of mitochondrial fusion events in pancreatic β -cells and cardiac cells unravel potential control mechanisms of its selectivity. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C477-C487.	2.1	75
116	The Histone Deacetylase Sirt6 Regulates Glucose Homeostasis via Hif1 α . <i>Cell</i> , 2010, 140, 280-293.	13.5	880
117	Organellar vs cellular control of mitochondrial dynamics. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 575-581.	2.3	70
118	Chapter 16 Monitoring Mitochondrial Dynamics with Photoactivateable Green Fluorescent Protein. <i>Methods in Enzymology</i> , 2009, 457, 289-304.	0.4	30
119	Abcb10 physically interacts with mitoferrin-1 (Slc25a37) to enhance its stability and function in the erythroid mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16263-16268.	3.3	194
120	Mitochondrial Networking Protects β -Cells From Nutrient-Induced Apoptosis. <i>Diabetes</i> , 2009, 58, 2303-2315.	0.3	339
121	Mitochondrial Uncoupling Protein 2 Inhibits Mast Cell Activation and Reduces Histamine Content. <i>Journal of Immunology</i> , 2009, 183, 6313-6319.	0.4	50
122	Mitochondrial "kiss-and-run": interplay between mitochondrial motility and fusion/fission dynamics. <i>EMBO Journal</i> , 2009, 28, 3074-3089.	3.5	300
123	The CB1 Antagonist Rimonabant Decreases Insulin Hypersecretion in Rat Pancreatic Islets. <i>Obesity</i> , 2009, 17, 1856-1860.	1.5	44
124	What can mitochondrial heterogeneity tell us about mitochondrial dynamics and autophagy?. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1914-1927.	1.2	99
125	Frequency and Selectivity of Mitochondrial Fusion Are Key to Its Quality Maintenance Function. <i>Biophysical Journal</i> , 2009, 96, 3509-3518.	0.2	136
126	Insulin Signaling Regulates Mitochondrial Function in Pancreatic β -Cells. <i>PLoS ONE</i> , 2009, 4, e7983.	1.1	57

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127	Dual role of proapoptotic BAD in insulin secretion and beta cell survival. <i>Nature Medicine</i> , 2008, 14, 144-153.	15.2	285
128	Fission and selective fusion govern mitochondrial segregation and elimination by autophagy. <i>EMBO Journal</i> , 2008, 27, 433-446.	3.5	2,587
129	Mitochondrial fusion, fission and autophagy as a quality control axis: The bioenergetic view. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1092-1097.	0.5	556
130	UCP2 Modulates Cell Proliferation through the MAPK/ERK Pathway during Erythropoiesis and Has No Effect on Heme Biosynthesis*. <i>Journal of Biological Chemistry</i> , 2008, 283, 30461-30470.	1.6	29
131	Abcb10 Physically Interacts with Mitoferrin1 to Enhance Its Stability for Heme Synthesis in the Erythroid Mitochondria. <i>Blood</i> , 2008, 112, 530-530.	0.6	0
132	Direct interorganellar transfer of iron from endosome to mitochondrion. <i>Blood</i> , 2007, 110, 125-132.	0.6	231
133	Ca ²⁺ , NAD(P)H and membrane potential changes in pancreatic β -cells by methyl succinate: comparison with glucose. <i>Biochemical Journal</i> , 2007, 403, 197-205.	1.7	40
134	β -Cell Mitochondria Exhibit Membrane Potential Heterogeneity That Can Be Altered by Stimulatory or Toxic Fuel Levels. <i>Diabetes</i> , 2007, 56, 2569-2578.	0.3	104
135	PA-GFP: A Window into the Subcellular Adventures of the Individual Mitochondrion. <i>Novartis Foundation Symposium</i> , 2007, 287, 21-46.	1.2	5
136	A novel miniature cell retainer for correlative high-content analysis of individual untethered non-adherent cells. <i>Lab on A Chip</i> , 2006, 6, 995.	3.1	101
137	Glucose-dependent increase in mitochondrial membrane potential, but not cytoplasmic calcium, correlates with insulin secretion in single islet cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E143-E148.	1.8	75
138	Tagging and tracking individual networks within a complex mitochondrial web with photoactivatable GFP. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C176-C184.	2.1	112
139	Synergistic amplification of β -amyloid- and interferon- γ -induced microglial neurotoxic response by the senile plaque component chromogranin A. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C169-C175.	2.1	13
140	Targeting, Import, and Dimerization of a Mammalian Mitochondrial ATP Binding Cassette (ABC) Transporter, ABCB10 (ABC-me). <i>Journal of Biological Chemistry</i> , 2004, 279, 42954-42963.	1.6	60
141	SUMO-1 Protease-1 Regulates Gene Transcription through PML. <i>Molecular Cell</i> , 2002, 10, 843-855.	4.5	148
142	Real-Time Detection of Reactive Oxygen Intermediates From Single Microglial Cells. <i>Biological Bulletin</i> , 2001, 201, 261-262.	0.7	16
143	K ⁺ channel antisense oligodeoxynucleotides inhibit cytokine-induced expansion of human hemopoietic progenitors. <i>Pflügers Archiv European Journal of Physiology</i> , 1996, 431, 632-638.	1.3	21