

Paul S Brookes

List of Publications by Year in Descending Order

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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.

145 papers	19,649 citations	57 h-index	140 g-index
165 ext. papers	21,920 ext. citations	6.8 avg, IF	6.29 L-index

#	Paper	IF	Citations
145	Metabolomics of aging in primary fibroblasts from small and large breed dogs. <i>GeroScience</i> , 2021 , 43, 1683-1696	8.9	2
144	Discovery of Halogenated Benzothiadiazine Derivatives with Anticancer Activity*. <i>ChemMedChem</i> , 2021 , 16, 1143-1162	3.7	1
143	FNDC-1-mediated mitophagy and ATFS-1 coordinate to protect against hypoxia-reoxygenation. <i>Autophagy</i> , 2021 , 17, 3389-3401	10.2	4
142	Modified Blue Native Gel Approach for Analysis of Respiratory Supercomplexes. <i>Methods in Molecular Biology</i> , 2021 , 2276, 227-234	1.4	1
141	Neonatal hyperoxia inhibits proliferation and survival of atrial cardiomyocytes by suppressing fatty acid synthesis. <i>JCI Insight</i> , 2021 , 6,	9.9	5
140	Nucleus-mitochondria positive feedback loop formed by ERK5 S496 phosphorylation-mediated poly (ADP-ribose) polymerase activation provokes persistent pro-inflammatory senescent phenotype and accelerates coronary atherosclerosis after chemo-radiation. <i>Redox Biology</i> , 2021 , 47, 102132	11.3	3
139	Cardiac metabolism as a driver and therapeutic target of myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 5937-5954	5.6	38
138	Cardiac Function is not Susceptible to Moderate Disassembly of Mitochondrial Respiratory Supercomplexes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
137	ALKBH7 mediates necrosis via rewiring of glyoxal metabolism. <i>ELife</i> , 2020 , 9,	8.9	4
136	Acid enhancement of ROS generation by complex-I reverse electron transport is balanced by acid inhibition of complex-II: Relevance for tissue reperfusion injury. <i>Redox Biology</i> , 2020 , 37, 101733	11.3	10
135	The choline transporter Slc44a2 controls platelet activation and thrombosis by regulating mitochondrial function. <i>Nature Communications</i> , 2020 , 11, 3479	17.4	11
134	Fndc-1 contributes to paternal mitochondria elimination in <i>C. elegans</i> . <i>Developmental Biology</i> , 2019 , 454, 15-20	3.1	22
133	Early life exposures shape the CD4 T cell transcriptome, influencing proliferation, differentiation, and mitochondrial dynamics later in life. <i>Scientific Reports</i> , 2019 , 9, 11489	4.9	4
132	Cardioprotection by the mitochondrial unfolded protein response requires ATF5. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H472-H478	5.2	45
131	Cellular Compartmentation and the Redox/Nonredox Functions of NAD. <i>Antioxidants and Redox Signaling</i> , 2019 , 31, 623-642	8.4	24
130	Metabolomics reveals critical adrenergic regulatory checkpoints in glycolysis and pentose-phosphate pathways in embryonic heart. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6925-6941	5.4	8
129	Krebs cycle metabolites and preferential succinate oxidation following neonatal hypoxic-ischemic brain injury in mice. <i>Pediatric Research</i> , 2018 , 83, 491-497	3.2	26

128	Cardiac metabolic effects of K1.2 channel deletion and evidence for its mitochondrial localization. <i>FASEB Journal</i> , 2018 , 32, fj201800139R	0.9	17
127	Accumulation of Succinate in Cardiac Ischemia Primarily Occurs via Canonical Krebs Cycle Activity. <i>Cell Reports</i> , 2018 , 23, 2617-2628	10.6	75
126	Cardioprotection by nicotinamide mononucleotide (NMN): Involvement of glycolysis and acidic pH. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 121, 155-162	5.8	31
125	Synthesis and Antineoplastic Evaluation of Mitochondrial Complex II (Succinate Dehydrogenase) Inhibitors Derived from Atpenin A5. <i>ChemMedChem</i> , 2017 , 12, 1033-1044	3.7	27
124	The Slo(w) path to identifying the mitochondrial channels responsible for ischemic protection. <i>Biochemical Journal</i> , 2017 , 474, 2067-2094	3.8	25
123	SMG-1 kinase attenuates mitochondrial ROS production but not cell respiration deficits during hyperoxia. <i>Experimental Lung Research</i> , 2017 , 43, 229-239	2.3	2
122	Potential mechanisms linking SIRT activity and hypoxic 2-hydroxyglutarate generation: no role for direct enzyme (de)acetylation. <i>Biochemical Journal</i> , 2017 , 474, 2829-2839	3.8	13
121	Mitochondria and Nitric Oxide 2017 , 137-156		2
120	Acidic pH Is a Metabolic Switch for 2-Hydroxyglutarate Generation and Signaling. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20188-97	5.4	90
119	Suppressors of Superoxide-HO Production at Site I of Mitochondrial Complex I Protect against Stem Cell Hyperplasia and Ischemia-Reperfusion Injury. <i>Cell Metabolism</i> , 2016 , 24, 582-592	24.6	108
118	Cardiac Slo2.1 Is Required for Volatile Anesthetic Stimulation of K ⁺ Transport and Anesthetic Preconditioning. <i>Anesthesiology</i> , 2016 , 124, 1065-76	4.3	11
117	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
116	The cardioprotective compound cloxyquin uncouples mitochondria and induces autophagy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H29-38	5.2	22
115	The RSK Inhibitor BIX02565 Limits Cardiac Ischemia/Reperfusion Injury. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016 , 21, 177-86	2.6	5
114	The Mitochondrial Unfolded Protein Response Protects against Anoxia in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2016 , 11, e0159989	3.7	19
113	Cyclophilin D Knock-Out Mice Show Enhanced Resistance to Osteoporosis and to Metabolic Changes Observed in Aging Bone. <i>PLoS ONE</i> , 2016 , 11, e0155709	3.7	45
112	Moving Forwards by Blocking Back-Flow: The Yin and Yang of MI Therapy. <i>Circulation Research</i> , 2016 , 118, 898-906	15.7	60
111	Metabolomic profiling of the heart during acute ischemic preconditioning reveals a role for SIRT1 in rapid cardioprotective metabolic adaptation. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 88, 64-72	5.8	38

110	Dual targeting of the thioredoxin and glutathione antioxidant systems in malignant B cells: a novel synergistic therapeutic approach. <i>Experimental Hematology</i> , 2015 , 43, 89-99	3.1	37
109	Hyperoxia activates ATM independent from mitochondrial ROS and dysfunction. <i>Redox Biology</i> , 2015 , 5, 176-185	11.3	34
108	Mitochondrially targeted nitro-linoleate: a new tool for the study of cardioprotection. <i>British Journal of Pharmacology</i> , 2014 , 171, 2091-8	8.6	10
107	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. <i>Nature</i> , 2014 , 515, 431-435	50.4	1360
106	DNA double-strand breaks activate ATM independent of mitochondrial dysfunction in A549 cells. <i>Free Radical Biology and Medicine</i> , 2014 , 75, 30-9	7.8	7
105	Decreasing mitochondrial fission alleviates hepatic steatosis in a murine model of nonalcoholic fatty liver disease. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, G632-41	5.1	50
104	SIRT3 deficiency exacerbates ischemia-reperfusion injury: implication for aged hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1602-9	5.2	146
103	Internet publicity of data problems in the bioscience literature correlates with enhanced corrective action. <i>PeerJ</i> , 2014 , 2, e313	3.1	6
102	Physiological consequences of complex II inhibition for aging, disease, and the mKATP channel. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 598-611	4.6	54
101	Mitochondrial dysfunction and permeability transition in osteosarcoma cells showing the Warburg effect. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33303-11	5.4	39
100	BCL-2 inhibition targets oxidative phosphorylation and selectively eradicates quiescent human leukemia stem cells. <i>Cell Stem Cell</i> , 2013 , 12, 329-41	18	740
99	Role of p90(RSK) in regulating the Crabtree effect: implications for cancer. <i>Biochemical Society Transactions</i> , 2013 , 41, 124-6	5.1	13
98	Cardioprotection by S-nitrosation of a cysteine switch on mitochondrial complex I. <i>Nature Medicine</i> , 2013 , 19, 753-9	50.5	437
97	Bicarbonate modulates oxidative and functional damage in ischemia-reperfusion. <i>Free Radical Biology and Medicine</i> , 2013 , 55, 46-53	7.8	15
96	Kir6.2 is not the mitochondrial KATP channel but is required for cardioprotection by ischemic preconditioning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H1439-45	5.2	33
95	Meclizine inhibits mitochondrial respiration through direct targeting of cytosolic phosphoethanolamine metabolism. <i>Journal of Biological Chemistry</i> , 2013 , 288, 35387-95	5.4	28
94	A non-cardiomyocyte autonomous mechanism of cardioprotection involving the SLO1 BK channel. <i>PeerJ</i> , 2013 , 1, e48	3.1	32
93	The mitochondrial ATP-dependent Lon protease: a novel target in lymphoma death mediated by the synthetic triterpenoid CDDO and its derivatives. <i>Blood</i> , 2012 , 119, 3321-9	2.2	104

92	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.2	4.2	2783
91	Ischemic preconditioning: the role of mitochondria and aging. <i>Experimental Gerontology</i> , 2012 , 47, 1-7	4.5	62
90	Mitochondrial ATP-sensitive potassium channel activity and hypoxic preconditioning are independent of an inwardly rectifying potassium channel subunit in <i>Caenorhabditis elegans</i> . <i>FEBS Letters</i> , 2012 , 586, 428-34	3.8	18
89	A cell-based phenotypic assay to identify cardioprotective agents. <i>Circulation Research</i> , 2012 , 110, 948-57	5.7	25
88	Mitochondria as a drug target in ischemic heart disease and cardiomyopathy. <i>Circulation Research</i> , 2012 , 111, 1222-36	15.7	194
87	Nitroalkenes confer acute cardioprotection via adenine nucleotide translocase 1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 3573-80	5.4	32
86	The Rheumatoid Arthritis Drug Auranofin Has Significant in Vitro Activity in MCL and DLCL and Is Synergistic with a Glutathione Depleting Agent. <i>Blood</i> , 2012 , 120, 1658-1658	2.2	2
85	Bcl-2 Inhibitor ABT-263 Targets Oxidative Phosphorylation and Selectively Eradicates Quiescent Human Leukemia Stem Cells. <i>Blood</i> , 2012 , 120, 206-206	2.2	2
84	p90 ribosomal S6 kinase regulates activity of the renin-angiotensin system: a pathogenic mechanism for ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 272-5	5.8	6
83	Redox regulation of the mitochondrial K(ATP) channel in cardioprotection. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 1309-15	4.9	77
82	Lysine deacetylation in ischaemic preconditioning: the role of SIRT1. <i>Cardiovascular Research</i> , 2011 , 89, 643-9	9.9	107
81	The coordinated increased expression of biliverdin reductase and heme oxygenase-2 promotes cardiomyocyte survival: a reductase-based peptide counters β adrenergic receptor ligand-mediated cardiac dysfunction. <i>FASEB Journal</i> , 2011 , 25, 301-13	0.9	23
80	Mice lacking TR4 nuclear receptor develop mitochondrial myopathy with deficiency in complex I. <i>Molecular Endocrinology</i> , 2011 , 25, 1301-10		18
79	SIRT1-mediated acute cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H1506-12	5.2	81
78	SLO-2 is cytoprotective and contributes to mitochondrial potassium transport. <i>PLoS ONE</i> , 2011 , 6, e28287	3.7	52
77	Slo2 contributes to mitochondrial potassium flux and is required for anesthetic preconditioning. <i>FASEB Journal</i> , 2011 , 25, 1097.15	0.9	
76	Reactive Oxygen Species (ROS) Levels Define Functional Heterogeneity in Human Leukemia Stem Cells and Represent a Critical Parameter for Therapeutic Targeting. <i>Blood</i> , 2011 , 118, 639-639	2.2	0
75	A novel mitochondrial K(ATP) channel assay. <i>Circulation Research</i> , 2010 , 106, 1190-6	15.7	45

74	Identification of S-nitrosated mitochondrial proteins by S-nitrosothiol difference in gel electrophoresis (SNO-DIGE): implications for the regulation of mitochondrial function by reversible S-nitrosation. <i>Biochemical Journal</i> , 2010 , 430, 49-59	3.8	119
73	Measurement of extracellular (exofacial) versus intracellular protein thiols. <i>Methods in Enzymology</i> , 2010 , 474, 149-64	1.7	4
72	Nutrient-sensitized screening for drugs that shift energy metabolism from mitochondrial respiration to glycolysis. <i>Nature Biotechnology</i> , 2010 , 28, 249-55	44.5	234
71	SIRT1 is a redox-sensitive deacetylase that is post-translationally modified by oxidants and carbonyl stress. <i>FASEB Journal</i> , 2010 , 24, 3145-59	0.9	232
70	An analysis of the effects of Mn ²⁺ on oxidative phosphorylation in liver, brain, and heart mitochondria using state 3 oxidation rate assays. <i>Toxicology and Applied Pharmacology</i> , 2010 , 249, 65-75	4.6	56
69	Mitochondrial biotransformation of omega-(phenoxy)alkanoic acids, 3-(phenoxy)acrylic acids, and omega-(1-methyl-1H-imidazol-2-ylthio)alkanoic acids: a prodrug strategy for targeting cytoprotective antioxidants to mitochondria. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 1441-8	3.4	18
68	The mitochondrial complex II and ATP-sensitive potassium channel interaction: quantitation of the channel in heart mitochondria.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	12
67	The mitochondrial complex II and ATP-sensitive potassium channel interaction: quantitation of the channel in heart mitochondria. <i>Acta Biochimica Polonica</i> , 2010 , 57, 431-4	2	8
66	Modulation of cell surface protein free thiols: a potential novel mechanism of action of the sesquiterpene lactone parthenolide. <i>PLoS ONE</i> , 2009 , 4, e8115	3.7	50
65	Oxygen sensitivity of mitochondrial reactive oxygen species generation depends on metabolic conditions. <i>Journal of Biological Chemistry</i> , 2009 , 284, 16236-16245	5.4	132
64	A mitochondria-targeted S-nitrosothiol modulates respiration, nitrosates thiols, and protects against ischemia-reperfusion injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 10764-9	11.5	184
63	Mitochondrial nitroalkene formation and mild uncoupling in ischaemic preconditioning: implications for cardioprotection. <i>Cardiovascular Research</i> , 2009 , 82, 333-40	9.9	103
62	The complex II inhibitor atpenin A5 protects against cardiac ischemia-reperfusion injury via activation of mitochondrial KATP channels. <i>Basic Research in Cardiology</i> , 2009 , 104, 121-9	11.8	76
61	In vivo cardioprotection by S-nitroso-2-mercaptopropionyl glycine. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 960-8	5.8	63
60	Cardioprotection by metabolic shut-down and gradual wake-up. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 804-10	5.8	123
59	NDUFS4: creation of a mouse model mimicking a Complex I disorder. <i>Mitochondrion</i> , 2009 , 9, 204-10	4.9	49
58	Modulation of Cell Surface Protein Free Thiols; A Potential Novel Mechanism of Action of the Sesquiterpene Lactone Parthenolide in Non-Hodgkin's Lymphoma.. <i>Blood</i> , 2009 , 114, 3774-3774	2.2	0
57	UCPs--unlikely calcium porters. <i>Nature Cell Biology</i> , 2008 , 10, 1235-7; author reply 1237-40	23.4	85

56	The endogenous mitochondrial complex II inhibitor malonate regulates mitochondrial ATP-sensitive potassium channels: implications for ischemic preconditioning. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 882-9	4.6	83
55	The C. elegans mitochondrial K+(ATP) channel: a potential target for preconditioning. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 625-8	3.4	26
54	Chapter 10 The Interaction of Mitochondrial Membranes with Reactive Oxygen and Nitrogen Species. <i>Current Topics in Membranes</i> , 2008 , 211-242	2.2	1
53	Sustained weight loss after Roux-en-Y gastric bypass is characterized by down regulation of endocannabinoids and mitochondrial function. <i>Annals of Surgery</i> , 2008 , 247, 779-90	7.8	38
52	Mitochondria as a target for the cardioprotective effects of nitric oxide in ischemia-reperfusion injury. <i>Antioxidants and Redox Signaling</i> , 2008 , 10, 579-99	8.4	145
51	Aging and Cardiac IschemiaMitochondria and Free Radical Considerations 2008 , 253-267		
50	Methods for measuring the regulation of respiration by nitric oxide. <i>Methods in Cell Biology</i> , 2007 , 80, 395-416	1.8	5
49	Characterization of weight loss and weight regain mechanisms after Roux-en-Y gastric bypass in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R1474-89	7.3	60
48	The triterpenoid 2-cyano-3,12-dioxooleana-1,9-dien-28-oic acid and its derivatives elicit human lymphoid cell apoptosis through a novel pathway involving the unregulated mitochondrial permeability transition pore. <i>Cancer Research</i> , 2007 , 67, 1793-802	10.1	48
47	Nitrite augments tolerance to ischemia/reperfusion injury via the modulation of mitochondrial electron transfer. <i>Journal of Experimental Medicine</i> , 2007 , 204, 2089-102	16.6	448
46	Cardioprotection and mitochondrial S-nitrosation: effects of S-nitroso-2-mercaptopropionyl glycine (SNO-MPG) in cardiac ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 812-25	5.8	125
45	Response of mitochondrial reactive oxygen species generation to steady-state oxygen tension: implications for hypoxic cell signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H101-8	5.2	118
44	A shortcut to mitochondrial signaling and pathology: a commentary on "Nonenzymatic formation of succinate in mitochondria under oxidative stress". <i>Free Radical Biology and Medicine</i> , 2006 , 41, 41-5	7.8	11
43	Different mechanisms of mitochondrial proton leak in ischaemia/reperfusion injury and preconditioning: implications for pathology and cardioprotection. <i>Biochemical Journal</i> , 2006 , 395, 611-8	3.8	104
42	Mitochondrial dysfunction in cardiac ischemia-reperfusion injury: ROS from complex I, without inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006 , 1762, 223-31	6.9	122
41	Direct evidence for S-nitrosation of mitochondrial complex I. <i>Biochemical Journal</i> , 2006 , 394, 627-34	3.8	237
40	The basal proton conductance of mitochondria depends on adenine nucleotide translocase content. <i>Biochemical Journal</i> , 2005 , 392, 353-62	3.8	275
39	Mitochondrial H(+) leak and ROS generation: an odd couple. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 12-23	7.8	323

38	Mitochondrial Dok-4 recruits Src kinase and regulates NF-kappaB activation in endothelial cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 26383-96	5.4	57
37	The Triterpenoids 2-cyano-3,12-dioxooleana-1,9-dien-28-oic Acid (CDDO) and Their Imidazole (CDDO-Im) and Dinitrile Derivatives (DI-CDDO) Elicit Apoptosis through a Novel Mitochondrial Pathway.. <i>Blood</i> , 2005 , 106, 2426-2426	2.2	
36	Role of calcium and superoxide dismutase in sensitizing mitochondria to peroxynitrite-induced permeability transition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H3946	5.2	62
35	Calcium, ATP, and ROS: a mitochondrial love-hate triangle. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 287, C817-33	5.4	1763
34	Mitochondrial nitric oxide synthase. <i>Mitochondrion</i> , 2004 , 3, 187-204	4.9	140
33	Mechanisms of the interaction of nitroxyl with mitochondria. <i>Biochemical Journal</i> , 2004 , 379, 359-66	3.8	66
32	Redox signalling: from nitric oxide to oxidized lipids. <i>Biochemical Society Symposia</i> , 2004 , 107-20		34
31	Chronic alcohol consumption increases the sensitivity of rat liver mitochondrial respiration to inhibition by nitric oxide. <i>Hepatology</i> , 2003 , 38, 141-7	11.2	43
30	Modulation of mitochondrial adenosine triphosphate-sensitive potassium channels and sodium-hydrogen exchange provide additive protection from severe ischemia-reperfusion injury. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003 , 125, 863-71	1.5	10
29	Control of mitochondrial respiration by NO*, effects of low oxygen and respiratory state. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31603-9	5.4	97
28	Intra-myocyte ion homeostasis during ischemia-reperfusion injury: effects of pharmacologic preconditioning and controlled reperfusion. <i>Annals of Thoracic Surgery</i> , 2003 , 76, 1252-8; discussion 1258-7	2.7	6
27	Reversible inhibition of cytochrome c oxidase by peroxynitrite proceeds through ascorbate-dependent generation of nitric oxide. <i>Journal of Biological Chemistry</i> , 2003 , 278, 27520-4	5.4	19
26	Nanotransducers in cellular redox signaling: modification of thiols by reactive oxygen and nitrogen species. <i>Trends in Biochemical Sciences</i> , 2002 , 27, 489-92	10.3	165
25	Hypothesis: the mitochondrial NO(*) signaling pathway, and the transduction of nitrosative to oxidative cell signals: an alternative function for cytochrome C oxidase. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 370-4	7.8	117
24	Mitochondrial function in response to cardiac ischemia-reperfusion after oral treatment with quercetin. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 1220-8	7.8	70
23	Mitochondria: regulators of signal transduction by reactive oxygen and nitrogen species. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 755-64	7.8	253
22	Mitochondria, nitric oxide, and cardiovascular dysfunction. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 1465-74	7.8	123
21	High throughput two-dimensional blue-native electrophoresis: a tool for functional proteomics of mitochondria and signaling complexes. <i>Proteomics</i> , 2002 , 2, 969-77	4.8	151

20	Specific modification of mitochondrial protein thiols in response to oxidative stress: a proteomics approach. <i>Journal of Biological Chemistry</i> , 2002 , 277, 17048-56	5.4	157
19	Oxidation of 10-formyltetrahydrofolate to 10-formyldihydrofolate by complex IV of rat mitochondria. <i>Biochemistry</i> , 2002 , 41, 5633-6	3.2	14
18	Measurement of mitochondrial respiratory thresholds and the control of respiration by nitric oxide. <i>Methods in Enzymology</i> , 2002 , 359, 305-19	1.7	27
17	Mechanisms of cell signaling by nitric oxide and peroxynitrite: from mitochondria to MAP kinases. <i>Antioxidants and Redox Signaling</i> , 2001 , 3, 215-29	8.4	100
16	Increased sensitivity of mitochondrial respiration to inhibition by nitric oxide in cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 69-82	5.8	50
15	Bioenergetics in cardiac hypertrophy: mitochondrial respiration as a pathological target of NO*. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H2261-9	5.2	27
14	Concentration-dependent effects of nitric oxide on mitochondrial permeability transition and cytochrome c release. <i>Journal of Biological Chemistry</i> , 2000 , 275, 20474-9	5.4	248
13	The assumption that nitric oxide inhibits mitochondrial ATP synthesis is correct. <i>FEBS Letters</i> , 1999 , 446, 261-3	3.8	68
12	Nitric oxide, mitochondria and neurological disease. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999 , 1410, 215-28	4.6	359
11	The proton permeability of the inner membrane of liver mitochondria from ectothermic and endothermic vertebrates and from obese rats: correlations with standard metabolic rate and phospholipid fatty acid composition. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998 , 119, 325-34	2.3	184
10	Peroxynitrite and brain mitochondria: evidence for increased proton leak. <i>Journal of Neurochemistry</i> , 1998 , 70, 2195-202	6	100
9	Stimulation of glyceraldehyde-3-phosphate dehydrogenase by oxyhemoglobin. <i>Biochemical Society Transactions</i> , 1998 , 26, S246	5.1	
8	Mitochondrial proton leak and superoxide generation: an hypothesis. <i>Biochemical Society Transactions</i> , 1998 , 26, S331	5.1	16
7	Peroxynitrite causes proton leak in brain mitochondria. <i>Biochemical Society Transactions</i> , 1998 , 26, S332	5.1	3
6	Stimulation of glyceraldehyde-3-phosphate dehydrogenase by oxyhemoglobin. <i>FEBS Letters</i> , 1997 , 416, 90-2	3.8	7
5	The proton permeability of liposomes made from mitochondrial inner membrane phospholipids: no effect of fatty acid composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997 , 1330, 157-64	3.8	66
4	Cardioprotection by the mitochondrial unfolded protein response (UPRmt) is mediated by activating transcription factor 5 (ATF5)		1
3	Neonatal hyperoxia inhibits proliferation of atrial cardiomyocytes by suppressing fatty acid synthesis		1

2	Bioscience-scale automated detection of figure element reuse	6
1	Metabolomics of aging in primary fibroblasts from small and large breed dogs	1