Paul T Schumacker

List of Publications by Year
in descending order

171 papers	29,731 citations	5896 81 h-index	5539 163 g-index
175 all docs	175 docs citations	175 times ranked	32318 citing authors

#	Article	IF	Citations
1	Update in Sleep 2021. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	0
2	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	11.9	356
3	Mitochondrial Succinate Dehydrogenase in Chronic Obstructive Pulmonary Disease: Is Complex II Too Complex?. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 231-232.	2.9	4
4	Disruption of mitochondrial complex I induces progressive parkinsonism. Nature, 2021, 599, 650-656.	27.8	247
5	Dopamine metabolism by a monoamine oxidase mitochondrial shuttle activates the electron transport chain. Nature Neuroscience, 2020, 23, 15-20.	14.8	97
6	Role of Hypoxia-Inducible Factors in Regulating Right Ventricular Function and Remodeling during Chronic Hypoxiaâ€"induced Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 652-664.	2.9	30
7	Life at the Editorial â€œCOVID Frontlineâ€: The American Thoracic Society Journal Family. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1457-1459.	5.6	8
8	Sensors and signals: the role of reactive oxygen species in hypoxic pulmonary vasoconstriction. Journal of Physiology, 2019, 597, 1033-1043.	2.9	30
9	Happy 30th Anniversary to the Red Journal!. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 1-2.	2.9	1
10	Roles of HIF1 and HIF2 in pulmonary hypertension: it all depends on the context. European Respiratory Journal, 2019, 54, 1901929.	6.7	13
11	Efferocytosis Fuels Requirements of Fatty Acid Oxidation and the Electron Transport Chain to Polarize Macrophages for Tissue Repair. Cell Metabolism, 2019, 29, 443-456.e5.	16.2	233
12	Mitochondrial complex III is essential for suppressive function of regulatory T cells. Nature, 2019, 565, 495-499.	27.8	323
13	JNK2 up-regulates hypoxia-inducible factors and contributes to hypoxia-induced erythropoiesis and pulmonary hypertension. Journal of Biological Chemistry, 2018, 293, 271-284.	3.4	14
14	Rescuing Decrepit Soluble Guanylate Cyclase: A Therapy for Sickle Cell Disease?. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 553-554.	2.9	1
15	The Phillip Morris Foundation for a Smoke-Free World. A Cause for Concern. Annals of the American Thoracic Society, 2018, 15, 1269-1272.	3.2	2
16	mRNA-binding protein tristetraprolin is essential for cardiac response to iron deficiency by regulating mitochondrial function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6291-E6300.	7.1	57
17	Systemic isradipine treatment diminishes calcium-dependent mitochondrial oxidant stress. Journal of Clinical Investigation, 2018, 128, 2266-2280.	8.2	106
18	Loss of Hypoxia Inducible Factorâ€1Î± Increases Right Ventricular Hypertrophy in Chronic Hypoxiaâ€Induced Pulmonary Hypertension. FASEB Journal, 2018, 32, 892.16.	0.5	0

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19	Snf1-related kinase improves cardiac mitochondrial efficiency and decreases mitochondrial uncoupling. Nature Communications, 2017, 8, 14095.	12.8	18
20	The mitochondrial respiratory chain is essential for haematopoietic stem cell function. Nature Cell Biology, 2017, 19, 614-625.	10.3	244
21	Redox signaling during hypoxia in mammalian cells. Redox Biology, 2017, 13, 228-234.	9.0	152
22	Sirt3 protects dopaminergic neurons from mitochondrial oxidative stress. Human Molecular Genetics, 2017, 26, 1915-1926.	2.9	76
23	Real-time inÂvivo mitochondrial redox assessment confirms enhanced mitochondrial reactive oxygen species in diabetic nephropathy. Kidney International, 2017, 92, 1282-1287.	5.2	60
24	Calcium and Parkinson's disease. Biochemical and Biophysical Research Communications, 2017, 483, 1013-1019.	2.1	164
25	Determinants of Selective Vulnerability of Dopamine Neurons in Parkinson's Disease. Handbook of Behavioral Neuroscience, 2016, 24, 821-837.	0.7	0
26	Intermediate filament aggregates cause mitochondrial dysmotility and increase energy demands in giant axonal neuropathy. Human Molecular Genetics, 2016, 25, 2143-2157.	2.9	44
27	A New Beginning for theRed Journal. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, v-vi.	2.9	0
28	Mitochondrial Function in Sepsis. Shock, 2016, 45, 271-281.	2.1	142
29	O 2 sensing, mitochondria and ROS signaling: The fog is lifting. Molecular Aspects of Medicine, 2016, 47-48, 76-89.	6.4	140
30	Dynaminâ€"Related Protein 1 Deficiency Improves Mitochondrial Fitness and Protects against Progression of Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2016, 27, 2733-2747.	6.1	130
31	Life on the Edge: Determinants of Selective Neuronal Vulnerability in Parkinsonâ€™s Disease. , 2016, , 141-173.		0
32	MicroRNAs and PARP: co-conspirators with ROS in pulmonary hypertension. Focus on â€œmiR-223 reverses experimental pulmonary arterial hypertensionâ€. American Journal of Physiology - Cell Physiology, 2015, 309, C361-C362.	4.6	7
33	Cyclic stretch stimulates mitochondrial reactive oxygen species and Nox4 signaling in pulmonary artery smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L196-L203.	2.9	26
34	Mouse lung development and NOX1 induction during hyperoxia are developmentally regulated and mitochondrial ROS dependent. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L369-L377.	2.9	59
35	Reactive Oxygen Species in Cancer: A Dance with the Devil. Cancer Cell, 2015, 27, 156-157.	16.8	310
36	Asbestos-Induced Pulmonary Fibrosis Is Augmented in 8-Oxoguanine DNA Glycosylase Knockout Mice. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 25-36.	2.9	47

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37	Hypoxia inducible factor signaling and experimental persistent pulmonary hypertension of the newborn. Frontiers in Pharmacology, 2015, 6, 47.	3.5	21
38	Identification of Fumarate Hydratase Inhibitors with Nutrient-Dependent Cytotoxicity. Journal of the American Chemical Society, 2015, 137, 564-567.	13.7	23
39	Regulation of Hypoxia-induced Pulmonary Hypertension by Vascular Smooth Muscle Hypoxia-Inducible Factor-1Î±. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 314-324.	5.6	209
40	Mitochondria-targeted Ogg1 and Aconitase-2 Prevent Oxidant-induced Mitochondrial DNA Damage in Alveolar Epithelial Cells. Journal of Biological Chemistry, 2014, 289, 6165-6176.	3.4	85
41	Cellular and Molecular Mechanisms of O2 Sensing. , 2014, , 1-22.		4
42	The â€˜mitoflashâ€™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14.	27.8	109
43	Mitochondria in lung biology and pathology: more than just a powerhouse. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L962-L974.	2.9	158
44	Mitochondrial ROS in cancer: initiators, amplifiers or an Achilles' heel?. Nature Reviews Cancer, 2014, 14, 709-721.	28.4	1,238
45	Update in Pulmonary Vascular Diseases 2013. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 738-743.	5.6	2
46	Mitochondrial oxidant stress in locus coeruleus is regulated by activity and nitric oxide synthase. Nature Neuroscience, 2014, 17, 832-840.	14.8	139
47	Developmental differences in hyperoxia-induced oxidative stress and cellular responses in the murine lung. Free Radical Biology and Medicine, 2013, 61, 51-60.	2.9	76
48	Peroxiredoxin-5 targeted to the mitochondrial intermembrane space attenuates hypoxia-induced reactive oxygen species signalling. Biochemical Journal, 2013, 456, 337-346.	3.7	55
49	Mitochondria Are Required for Antigen-Specific T Cell Activation through Reactive Oxygen Species Signaling. Immunity, 2013, 38, 225-236.	14.3	981
50	Superoxide Generated at Mitochondrial Complex III Triggers Acute Responses to Hypoxia in the Pulmonary Circulation. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 424-432.	5.6	137
51	Calcium Entry and Â-Synuclein Inclusions Elevate Dendritic Mitochondrial Oxidant Stress in Dopaminergic Neurons. Journal of Neuroscience, 2013, 33, 10154-10164.	3.6	174
52	Nitric oxide quenches the fire in heart mitochondria. Nature Medicine, 2013, 19, 666-667.	30.7	8
53	Sirtuin 3 Deficiency Does Not Augment Hypoxia-Induced Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 885-891.	2.9	25
54	Cyclic Stretch Induces Inducible Nitric Oxide Synthase and Soluble Guanylate Cyclase in Pulmonary Artery Smooth Muscle Cells. International Journal of Molecular Sciences, 2013, 14, 4334-4348.	4.1	18

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55	ROSâ€Mediated PARP Activity Undermines Mitochondrial Function After Permeability Transition Pore Opening During Myocardial Ischemiaâ€"Reperfusion. Journal of the American Heart Association, 2013, 2, e000159.	3.7	83
56	Hypoxia-inducible factor-2Î± and TGF-Î² signaling interact to promote normoxic glomerular fibrogenesis. American Journal of Physiology - Renal Physiology, 2013, 305, F1323-F1331.	2.7	51
57	Calcium, Bioenergetics, and Neuronal Vulnerability in Parkinson's Disease. Journal of Biological Chemistry, 2013, 288, 10736-10741.	3.4	179
58	Increased p22^{phox}/Nox4 Expression Is Involved in Remodeling Through Hydrogen Peroxide Signaling in Experimental Persistent Pulmonary Hypertension of the Newborn. Antioxidants and Redox Signaling, 2013, 18, 1765-1776.	5.4	57
59	Paradoxical Regulation of Hypoxia Inducible Factor-1Î± (HIF-1Î±) by Histone Deacetylase Inhibitor in Diffuse Large B-Cell Lymphoma. PLoS ONE, 2013, 8, e81333.	2.5	18
60	Brief Hyperoxia Increases Mitochondrial Oxidation and Increases Phosphodiesterase 5 Activity in Fetal Pulmonary Artery Smooth Muscle Cells. Antioxidants and Redox Signaling, 2012, 17, 460-470.	5.4	60
61	Physiological Phenotype and Vulnerability in Parkinson's Disease. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a009290-a009290.	6.2	97
62	Mitochondrial Fission Triggered by Hyperglycemia Is Mediated by ROCK1 Activation in Podocytes and Endothelial Cells. Cell Metabolism, 2012, 15, 186-200.	16.2	395
63	Hypoxia and Hyperoxia. , 2012, , 91-109.		0
64	Unraveling the Biological Roles of Reactive Oxygen Species. Cell Metabolism, 2011, 13, 361-366.	16.2	661
65	The role of calcium and mitochondrial oxidant stress in the loss of substantia nigra pars compacta dopaminergic neurons in Parkinson's disease. Neuroscience, 2011, 198, 221-231.	2.3	192
66	Lung Cell Hypoxia: Role of Mitochondrial Reactive Oxygen Species Signaling in Triggering Responses. Proceedings of the American Thoracic Society, 2011, 8, 477-484.	3.5	70
67	Mitochondrial oxidant stress triggers cell death in simulated ischemiaâ€"reperfusion. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1382-1394.	4.1	172
68	SIRT3 Controls Cancer Metabolic Reprogramming by Regulating ROS and HIF. Cancer Cell, 2011, 19, 299-300.	16.8	63
69	Hydrogen Peroxide Regulates Extracellular Superoxide Dismutase Activity and Expression in Neonatal Pulmonary Hypertension. Antioxidants and Redox Signaling, 2011, 15, 1497-1506.	5.4	64
70	Hypoxia Triggers AMPK Activation through Reactive Oxygen Species-Mediated Activation of Calcium Release-Activated Calcium Channels. Molecular and Cellular Biology, 2011, 31, 3531-3545.	2.3	329
71	Epithelial Cell Death Is an Important Contributor to Oxidant-mediated Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1043-1054.	5.6	93
72	Interdependence of HIF-1Î± and TGF-Î²/Smad3 signaling in normoxic and hypoxic renal epithelial cell collagen expression. American Journal of Physiology - Renal Physiology, 2011, 300, F898-F905.	2.7	122

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73	Hypoxia-induced changes in pulmonary and systemic vascular resistance: Where is the O2 sensor?. Respiratory Physiology and Neurobiology, 2010, 174, 201-211.	1.6	66
74	Mitochondrial oxidant stress increases PDE5 activity in persistent pulmonary hypertension of the newborn. Respiratory Physiology and Neurobiology, 2010, 174, 272-281.	1.6	72
75	Physiological redox signaling in lung, cardiovascular and neural cells: Progress, controversy and potential. Respiratory Physiology and Neurobiology, 2010, 174, 163-164.	1.6	2
76	Menadione triggers cell death through ROS-dependent mechanisms involving PARP activation without requiring apoptosis. Free Radical Biology and Medicine, 2010, 49, 1925-1936.	2.9	213
77	Oxidant stress evoked by pacemaking in dopaminergic neurons is attenuated by DJ-1. Nature, 2010, 468, 696-700.	27.8	717
78	BAX OR BAK Mediate Mitochondrial Superoxide Dependent Acute Lung Injury. , 2010, , .		1
79	Hypoxia Triggers Subcellular Compartmental Redox Signaling in Vascular Smooth Muscle Cells. Circulation Research, 2010, 106, 526-535.	4.5	312
80	Hypoxia-Inducible Factor-1 Î± Expression Predicts Superior Survival in Patients With Diffuse Large B-Cell Lymphoma Treated With R-CHOP. Journal of Clinical Oncology, 2010, 28, 1017-1024.	1.6	57
81	Terpestacin Inhibits Tumor Angiogenesis by Targeting UQCRB of Mitochondrial Complex III and Suppressing Hypoxia-induced Reactive Oxygen Species Production and Cellular Oxygen Sensing. Journal of Biological Chemistry, 2010, 285, 11584-11595.	3.4	101
82	Hypoxia Increases ROS Signaling and Cytosolic Ca²⁺ in Pulmonary Artery Smooth Muscle Cells of Mouse Lungs Slices. Antioxidants and Redox Signaling, 2010, 12, 595-602.	5.4	70
83	Prolonged Hypoxia Increases ROS Signaling and RhoA Activation in Pulmonary Artery Smooth Muscle and Endothelial Cells. Antioxidants and Redox Signaling, 2010, 12, 603-610.	5.4	61
84	The First Global Screening of Protein Substrates Bearing Protein-Bound 3,4-Dihydroxyphenylalanine in <i>Escherichia coli</i> and Human Mitochondria. Journal of Proteome Research, 2010, 9, 5705-5714.	3.7	15
85	A Tumor Suppressor SIRTainty. Cancer Cell, 2010, 17, 5-6.	16.8	25
86	Is enough oxygen too much?. Critical Care, 2010, 14, 191.	5.8	11
87	Hyperoxiaâ€induced premature senescence requires p53 and pRb, but not mitochondrial matrix ROS. FASEB Journal, 2009, 23, 783-794.	0.5	57
88	Mitochondrial Complex III-generated Oxidants Activate ASK1 and JNK to Induce Alveolar Epithelial Cell Death following Exposure to Particulate Matter Air Pollution. Journal of Biological Chemistry, 2009, 284, 2176-2186.	3.4	117
89	Role of mitochondrial hOGG1 and aconitase in oxidant-induced lung epithelial cell apoptosis. Free Radical Biology and Medicine, 2009, 47, 750-759.	2.9	68
90	PX-478, a Novel Small Molecule Inhibitor of Hypoxia Inducible Factor-1 (HIF-1) Downregulates HIF and Induces Cytotoxicity in Diffuse Large B Cell Lymphoma Cells.. Blood, 2009, 114, 2713-2713.	1.4	1

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91	Oxygen sensing in hypoxic pulmonary vasoconstriction: using new tools to answer an ageâ€old question. Experimental Physiology, 2008, 93, 133-138.	2.0	52
92	Synthesis enables identification of the cellular target of leucascandrolide A and neopeltolide. Nature Chemical Biology, 2008, 4, 418-424.	8.0	93
93	Hypoxia inducible factor-alpha activation in lymphoma and relationship to the thioredoxin family. British Journal of Haematology, 2008, 141, 676-680.	2.5	40
94	Loss of the SdhB, but Not the SdhA, Subunit of Complex II Triggers Reactive Oxygen Species-Dependent Hypoxia-Inducible Factor Activation and Tumorigenesis. Molecular and Cellular Biology, 2008, 28, 718-731.	2.3	392
95	Hyperoxia Increases Phosphodiesterase 5 Expression and Activity in Ovine Fetal Pulmonary Artery Smooth Muscle Cells. Circulation Research, 2008, 102, 226-233.	4.5	141
96	AMP-activated protein kinase regulates CO2-induced alveolar epithelial dysfunction in rats and human cells by promoting Na,K-ATPase endocytosis. Journal of Clinical Investigation, 2008, 118, 752-62.	8.2	146
97	Oxidant Stress during Simulated Ischemia Primes Cardiomyocytes for Cell Death during Reperfusion. Journal of Biological Chemistry, 2007, 282, 19133-19143.	3.4	119
98	Mitochondrial Reactive Oxygen Species Trigger Hypoxia-Inducible Factor-Dependent Extension of the Replicative Life Span during Hypoxia. Molecular and Cellular Biology, 2007, 27, 5737-5745.	2.3	202
99	Mitochondrial Complex III is Required for Hypoxia-Induced ROS Production and Gene Transcription in Yeast. Antioxidants and Redox Signaling, 2007, 9, 1317-1328.	5.4	78
100	Hypoxic conformance of metabolism in primary rat hepatocytes: A model of hepatic hibernation. Hepatology, 2007, 45, 455-464.	7.3	32
101	Nitric oxide during ischemia attenuates oxidant stress and cell death during ischemia and reperfusion in cardiomyocytes. Free Radical Biology and Medicine, 2007, 43, 590-599.	2.9	42
102	Cell Metabolism and Tissue Hypoxia. , 2006, , 41-50.		0
103	Oxygen sensing by mitochondria at complex III: the paradox of increased reactive oxygen species during hypoxia. Experimental Physiology, 2006, 91, 807-819.	2.0	743
104	Increases in Mitochondrial Reactive Oxygen Species Trigger Hypoxia-Induced Calcium Responses in Pulmonary Artery Smooth Muscle Cells. Circulation Research, 2006, 99, 970-978.	4.5	174
105	Reactive oxygen species in cancer cells: Live by the sword, die by the sword. Cancer Cell, 2006, 10, 175-176.	16.8	1,056
106	Stretch-induced phosphorylation of focal adhesion kinase in endothelial cells: role of mitochondrial oxidants. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L38-L45.	2.9	75
107	Hypoxia-inducible factor-1 (HIF-1). Critical Care Medicine, 2005, 33, S423-S425.	0.9	73
108	Physiological hypoxia promotes survival of cultured cortical neurons. European Journal of Neuroscience, 2005, 22, 1319-1326.	2.6	27

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109	Hypoxic pulmonary vasoconstriction: redox events in oxygen sensing. Journal of Applied Physiology, 2005, 98, 404-414.	2.5	149
110	Mitochondrial complex III is required for hypoxia-induced ROS production and cellular oxygen sensing. Cell Metabolism, 2005, 1, 401-408.	16.2	1,321
111	Mitochondrial dysfunction resulting from loss of cytochrome c impairs cellular oxygen sensing and hypoxic HIF-Î± activation. Cell Metabolism, 2005, 1, 393-399.	16.2	566
112	Mitochondrial requirement for endothelial responses to cyclic strain: implications for mechanotransduction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L486-L496.	2.9	137
113	Distinct Mechanisms of Neurodegeneration Induced by Chronic Complex I Inhibition in Dopaminergic and Non-dopaminergic Cells. Journal of Biological Chemistry, 2004, 279, 51783-51792.	3.4	63
114	Synergistic Effect of Scutellaria baicalensis and Grape Seed Proanthocyanidins on Scavenging Reactive Oxygen Species in Vitro. The American Journal of Chinese Medicine, 2004, 32, 89-95.	3.8	39
115	Antioxidant effects of American ginseng berry extract in cardiomyocytes exposed to acute oxidant stress. Biochimica Et Biophysica Acta - General Subjects, 2004, 1670, 165-171.	2.4	77
116	Grape Seed Proanthocyanidins Induce Pro-Oxidant Toxicity in Cardiomyocytes. Cardiovascular Toxicology, 2003, 3, 331-340.	2.7	32
117	Grape seed proanthocyanidin extract attenuates oxidant injury in cardiomyocytes. Pharmacological Research, 2003, 47, 463-469.	7.1	72
118	ROS and NO trigger early preconditioning: relationship to mitochondrial K_{ATP} channel. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H299-H308.	3.2	206
119	Cell death during ischemia: relationship to mitochondrial depolarization and ROS generation. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H549-H558.	3.2	186
120	Current Paradigms in Cellular Oxygen Sensing. Advances in Experimental Medicine and Biology, 2003, 543, 57-71.	1.6	45
121	Role of Mitochondrial Oxidant Generation in Endothelial Cell Responses to Hypoxia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 566-573.	2.4	158
122	Angiotensin II Signaling in the Brain. Circulation Research, 2002, 91, 982-984.	4.5	9
123	Mitochondrial Reactive Oxygen Species Trigger Calcium Increases During Hypoxia in Pulmonary Arterial Myocytes. Circulation Research, 2002, 91, 719-726.	4.5	273
124	Baicalein attenuates oxidant stress in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H999-H1006.	3.2	134
125	Hypoxia, anoxia, and O2 sensing: the search continues. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L918-L921.	2.9	47
126	Endothelial responses to mechanical stress: Where is the mechanosensor?. Critical Care Medicine, 2002, 30, S198-S206.	0.9	125

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127	Mitochondrial ROS initiate phosphorylation of p38 MAP kinase during hypoxia in cardiomyocytes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L1324-L1329.	2.9	232
128	O2 sensing in hypoxic pulmonary vasoconstriction: the mitochondrial door re-opens. Respiratory Physiology and Neurobiology, 2002, 132, 81-91.	1.6	62
129	Editorial: Straining to understand mechanotransduction in the lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L881-L882.	2.9	21
130	Qian-Kun-Nin, a Chinese herbal medicine formulation, attenuates mitochondrial oxidant stress in cardiomyocytes. Journal of Ethnopharmacology, 2001, 74, 63-68.	4.1	7
131	Signal transduction of flumazenil-induced preconditioning in myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1249-H1255.	3.2	20
132	Model for Hypoxic Pulmonary Vasoconstriction Involving Mitochondrial Oxygen Sensing. Circulation Research, 2001, 88, 1259-1266.	4.5	345
133	Reactive Oxygen Species Are Downstream Products of TRAF-mediated Signal Transduction. Journal of Biological Chemistry, 2001, 276, 42728-42736.	3.4	174
134	Redox regulation of p53 during hypoxia. Oncogene, 2000, 19, 3840-3848.	5.9	148
135	Cellular oxygen sensing by mitochondria: old questions, new insight. Journal of Applied Physiology, 2000, 88, 1880-1889.	2.5	344
136	January 2000!. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L1-L2.	2.9	1
137	Reactive Oxygen Species Generated at Mitochondrial Complex III Stabilize Hypoxia-inducible Factor-1Î± during Hypoxia. Journal of Biological Chemistry, 2000, 275, 25130-25138.	3.4	1,697
138	Role of Oxidants in NF-ÎºB Activation and TNF-Î± Gene Transcription Induced by Hypoxia and Endotoxin. Journal of Immunology, 2000, 165, 1013-1021.	0.8	472
139	Outer mitochondrial membrane permeability can regulate coupled respiration and cell survival. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4666-4671.	7.1	397
140	Preconditioning in Cardiomyocytes Protects by Attenuating Oxidant Stress at Reperfusion. Circulation Research, 2000, 86, 541-548.	4.5	287
141	TRAF4 Deficiency Leads to Tracheal Malformation with Resulting Alterations in Air Flow to the Lungs. American Journal of Pathology, 2000, 157, 679-688.	3.8	72
142	Generation of superoxide in cardiomyocytes during ischemia before reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2240-H2246.	3.2	248
143	Endothelial permeability and IL-6 production during hypoxia: role of ROS in signal transduction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L1057-L1065.	2.9	129
144	Role of reactive oxygen species in acetylcholine-induced preconditioning in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2504-H2509.	3.2	79

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145	Bcl-xL Prevents Cell Death following Growth Factor Withdrawal by Facilitating Mitochondrial ATP/ADP Exchange. Molecular Cell, 1999, 3, 159-167.	9.7	476
146	Cells depleted of mitochondrial DNA (p0) yield insight into physiological mechanisms. FEBS Letters, 1999, 454, 173-176.	2.8	179
147	Extract from Scutellaria baicalensis Georgi Attenuates Oxidant Stress in Cardiomyocytes. Journal of Molecular and Cellular Cardiology, 1999, 31, 1885-1895.	1.9	122
148	What Keeps a Resting T Cell Alive?. Cold Spring Harbor Symposia on Quantitative Biology, 1999, 64, 383-388.	1.1	5
149	Nitric Oxide Acutely Inhibits Neuronal Energy Production. Journal of Neuroscience, 1999, 19, 147-158.	3.6	189
150	Mitochondrial reactive oxygen species trigger hypoxia-induced transcription. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 11715-11720.	7.1	1,724
151	Intracellular Signaling by Reactive Oxygen Species during Hypoxia in Cardiomyocytes. Journal of Biological Chemistry, 1998, 273, 11619-11624.	3.4	601
152	Hibernation during Hypoxia in Cardiomyocytes. Journal of Biological Chemistry, 1998, 273, 3320-3326.	3.4	143
153	Reactive Oxygen Species Released from Mitochondria during Brief Hypoxia Induce Preconditioning in Cardiomyocytes. Journal of Biological Chemistry, 1998, 273, 18092-18098.	3.4	620
154	Cellular Respiration during Hypoxia. Journal of Biological Chemistry, 1997, 272, 18808-18816.	3.4	163
155	Mitochondrial Electron Transport can Become a Significant Source of Oxidative Injury in Cardiomyocytes. Journal of Molecular and Cellular Cardiology, 1997, 29, 2441-2450.	1.9	153
156	Significant Levels of Oxidants are Generated by Isolated Cardiomyocytes During Ischemia Prior to Reperfusion. Journal of Molecular and Cellular Cardiology, 1997, 29, 2571-2583.	1.9	359
157	Bcl-xL Regulates the Membrane Potential and Volume Homeostasis of Mitochondria. Cell, 1997, 91, 627-637.	28.9	1,345
158	Oxygen delivery and consumption relationships: Current perspectives. Reanimation Urgences, 1996, 5, 186-190.	0.1	0
159	Molecular Oxygen Modulates Cytochrome c Oxidase Function. Journal of Biological Chemistry, 1996, 271, 18672-18677.	3.4	123
160	The effect of adrenergic agonists on the systemic response to hemorrhage. Journal of Critical Care, 1994, 9, 25-33.	2.2	3
161	Absence of supply dependence of oxygen consumption in patients with septic shock. Journal of Critical Care, 1993, 8, 203-211.	2.2	42
162	Effects of EndotoxinIn Vivoon Endothelial and Smooth-Muscle Function in Rabbit and Rat Aorta. The American Review of Respiratory Disease, 1993, 148, 1638-1645.	2.9	87

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163	Peripheral Vascular Responses in Septic Shock. Chest, 1991, 99, 1057-1058.	0.8	6
164	EndotoxinIn VivoImpairs Endothelium-dependent Relaxation of Canine ArteriesIn Vitro. The American Review of Respiratory Disease, 1990, 142, 1263-1267.	2.9	83
165	Oxygen Supply and Consumption in the Adult Respiratory Distress Syndrome. Clinics in Chest Medicine, 1990, 11, 715-722.	2.1	10
166	Oxygen Delivery and Uptake by Peripheral Tissues: Physiology and Pathophysiology. Critical Care Clinics, 1989, 5, 255-269.	2.6	86
167	Systemic oxygen delivery and consumption during acute lung injury in dogs. Journal of Critical Care, 1988, 3, 249-255.	2.2	12
168	Limitations of Aerobic Metabolism in Critical illness. Chest, 1984, 85, 453-454.	0.8	26
169	Influence of Gelatin on Bioassayable and Immunoreactive Opsonic Fibronectin. Experimental Biology and Medicine, 1981, 168, 15-23.	2.4	19
170	Role for Mitochondrial Reactive Oxygen Species in Hypoxic Pulmonary Vasoconstriction. Novartis Foundation Symposium, 0, , 176-195.	1.1	11
171	Antiapoptotic effect of Vitis vinifera (grape seed) proanthocyanidins in cardiomyocytes. Focus on Alternative and Complementary Therapies, 0, 9, 49-49.	0.1	0