Victor M Darley-Usmar

List of Publications by Year in Descending Order

303 papers	27,390 citations	86 h-index	157 g-index
321 ext. papers	30,624 ext. citations	6.3 avg, IF	6.71 L-index

#	Paper	IF	Citations
303	Oxylipin metabolism is controlled by mitochondrial β-oxidation during bacterial inflammation.. *Nature Communications*, **2022**, 13, 139	17.4	3
302	Optimization of measurement of mitochondrial electron transport activity in postmortem human brain samples and measurement of susceptibility to rotenone and 4-hydroxynonenal inhibition.. *Redox Biology*, **2022**, 50, 102241	11.3	
301	Targeting whole body metabolism and mitochondrial bioenergetics in the drug development for Alzheimer's disease.. *Acta Pharmaceutica Sinica B*, **2022**, 12, 511-531	15.5	4
300	Acute inhibition of OGA sex-dependently alters the networks associated with bioenergetics, autophagy, and neurodegeneration.. *Molecular Brain*, **2022**, 15, 22	4.5	
299	Fasting drives the metabolic, molecular and geroprotective effects of a calorie-restricted diet in mice. *Nature Metabolism*, **2021**, 3, 1327-1341	14.6	18
298	Metabolic derangement in polycystic kidney disease mouse models is ameliorated by mitochondrial-targeted antioxidants. *Communications Biology*, **2021**, 4, 1200	6.7	2
297	New Insights Into the Biology of Protein O-GlcNAcylation: Approaches and Observations. *Frontiers in Aging*, **2021**, 1,	2.5	5
296	Bioenergetic maladaptation and release of HMGB1 in calcineurin inhibitor-mediated nephrotoxicity. *American Journal of Transplantation*, **2021**, 21, 2964-2977	8.7	0
295	UAB-UCSD O'Brien Center for Acute Kidney Injury Research. *American Journal of Physiology - Renal Physiology*, **2021**, 320, F870-F882	4.3	0
294	Metabolic alterations mediated by STAT3 promotes drug persistence in CML. *Leukemia*, **2021**, 35, 3371-3382	11.7	2
293	AMPK activates Parkin independent autophagy and improves post sepsis immune defense against secondary bacterial lung infections. *Scientific Reports*, **2021**, 11, 12387	4.9	5
292	University of Alabama at Birmingham Nathan Shock Center: comparative energetics of aging. *GeroScience*, **2021**, 43, 2149-2160	8.9	0
291	A role for GLUT3 in glioblastoma cell invasion that is not recapitulated by GLUT1. *Cell Adhesion and Migration*, **2021**, 15, 101-115	3.2	7
290	Hedgehog Signaling Regulates Metabolism and Polarization of Mammary Tumor-Associated Macrophages. *Cancer Research*, **2021**, 81, 5425-5437	10.1	6
289	ZKSCAN3 in severe bacterial lung infection and sepsis-induced immunosuppression. *Laboratory Investigation*, **2021**, 101, 1467-1474	5.9	1
288	Mesenchymal stromal cell aging impairs the self-organizing capacity of lung alveolar epithelial stem cells. *ELife*, **2021**, 10,	8.9	3
287	The Identification of a Novel Calcium-Dependent Link Between NAD and Glucose Deprivation-Induced Increases in Protein O-GlcNAcylation and ER Stress.. *Frontiers in Molecular Biosciences*, **2021**, 8, 780865	5.6	0

286	Differential effects of REV-ERBβ/δ agonism on cardiac gene expression, metabolism, and contractile function in a mouse model of circadian disruption. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H1487-H1508	5.2	11
285	Lung Tumor Cell-Derived Exosomes Promote M2 Macrophage Polarization. *Cells*, **2020**, 9,	7.9	56
284	Mitochondrial damage and senescence phenotype of cells derived from a novel frataxin G127V point mutation mouse model of Friedreich's ataxia. *DMM Disease Models and Mechanisms*, **2020**, 13,	4.1	3
283	Reductive Stress Causes Pathological Cardiac Remodeling and Diastolic Dysfunction. *Antioxidants and Redox Signaling*, **2020**, 32, 1293-1312	8.4	11
282	Mitochondrial Oxidative Phosphorylation Regulates the Fate Decision between Pathogenic Th17 and Regulatory T Cells. *Cell Reports*, **2020**, 30, 1898-1909.e4	10.6	32
281	Nuclear receptor binding factor 2 (NRBF2) is required for learning and memory. *Laboratory Investigation*, **2020**, 100, 1238-1251	5.9	5
280	A novel approach to measure mitochondrial respiration in frozen biological samples. *EMBO Journal*, **2020**, 39, e104073	13	39
279	Dynamic Imaging of LDH Inhibition in Tumors Reveals Rapid In Vivo Metabolic Rewiring and Vulnerability to Combination Therapy. *Cell Reports*, **2020**, 30, 1798-1810.e4	10.6	32
278	The Role of Metabolic Plasticity in Blood and Brain Stem Cell Pathophysiology. *Cancer Research*, **2020**, 80, 5-16	10.1	9
277	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. *Journal of Medicinal Chemistry*, **2020**, 63, 10984-11011	8.3	12
276	A precision medicine approach to defining the impact of doxorubicin on the bioenergetic-metabolite interactome in human platelets. *Redox Biology*, **2020**, 28, 101311	11.3	5
275	Insulin-Like Growth Factors Are Key Regulators of T Helper 17 Regulatory T Cell Balance in Autoimmunity. *Immunity*, **2020**, 52, 650-667.e10	32.3	29
274	Enhanced Keap1-Nrf2 signaling protects the myocardium from isoproterenol-induced pathological remodeling in mice. *Redox Biology*, **2019**, 27, 101212	11.3	32
273	New quantitative approach reveals heterogeneity in mitochondrial structure-function relations in tumor-initiating cells. *Journal of Cell Science*, **2019**, 132,	5.3	8
272	Mitochondria in precision medicine; linking bioenergetics and metabolomics in platelets. *Redox Biology*, **2019**, 22, 101165	11.3	19
271	Acute increases in -GlcNAc indirectly impair mitochondrial bioenergetics through dysregulation of LonP1-mediated mitochondrial protein complex turnover. *American Journal of Physiology - Cell Physiology*, **2019**, 316, C862-C875	5.4	11
270	Feasibility of cellular bioenergetics as a biomarker in porphyria patients. *Molecular Genetics and Metabolism Reports*, **2019**, 19, 100451	1.8	10
269	Targeting Glycolysis through Inhibition of Lactate Dehydrogenase Impairs Tumor Growth in Preclinical Models of Ewing Sarcoma. *Cancer Research*, **2019**, 79, 5060-5073	10.1	48

268	Precisely Control Mitochondria with Light to Manipulate Cell Fate Decision. *Biophysical Journal*, **2019**, 117, 631-645	2.9	11
267	Bioenergetics and translational metabolism: implications for genetics, physiology and precision medicine. *Biological Chemistry*, **2019**, 401, 3-29	4.5	24
266	SIRT3 diminishes inflammation and mitigates endotoxin-induced acute lung injury. *JCI Insight*, **2019**, 4,	9.9	53
265	SIRT1 regulates metabolism and leukemogenic potential in CML stem cells. *Journal of Clinical Investigation*, **2019**, 129, 2685-2701	15.9	27
264	DDIS-24. DECREASE IN GLIOBLASTOMA GROWTH IN VITRO WITH TREATMENT OF NOVEL ANALOGS OF GLUCOSE TRANSPORTER INHIBITORS. *Neuro-Oncology*, **2019**, 21, vi68-vi68	1	78
263	Truncating PKHD1 and PKD2 mutations alter energy metabolism. *American Journal of Physiology - Renal Physiology*, **2019**, 316, F414-F425	4.3	11
262	Mitoquinone ameliorates pressure overload-induced cardiac fibrosis and left ventricular dysfunction in mice. *Redox Biology*, **2019**, 21, 101100	11.3	45
261	Integrative metabolomics and transcriptomics signatures of clinical tolerance to Plasmodium vivax reveal activation of innate cell immunity and T cell signaling. *Redox Biology*, **2018**, 17, 158-170	11.3	43
260	Methods for assessing mitochondrial quality control mechanisms and cellular consequences in cell culture. *Redox Biology*, **2018**, 17, 59-69	11.3	28
259	Temporal partitioning of adaptive responses of the murine heart to fasting. *Life Sciences*, **2018**, 197, 30-39	6.8	11
258	An overview of the emerging interface between cardiac metabolism, redox biology and the circadian clock. *Free Radical Biology and Medicine*, **2018**, 119, 75-84	7.8	9
257	Poldip2 is an oxygen-sensitive protein that controls PDH and □GDH lipoylation and activation to support metabolic adaptation in hypoxia and cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1789-1794	11.5	31
256	Mitochondrial function and autophagy: integrating proteotoxic, redox, and metabolic stress in Parkinson□s disease. *Journal of Neurochemistry*, **2018**, 144, 691-709	6	42
255	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. *Blood*, **2018**, 132, 1180-1192	2.2	29
254	Identification of Compounds That Decrease Glioblastoma Growth and Glucose Uptake in Vitro. *ACS Chemical Biology*, **2018**, 13, 2048-2057	4.9	18
253	Effector CD4 T cells with progenitor potential mediate chronic intestinal inflammation. *Journal of Experimental Medicine*, **2018**, 215, 1803-1812	16.6	14
252	Rust never sleeps: The continuing story of the Iron Bolt. *Free Radical Biology and Medicine*, **2018**, 124, 353-357	7.8	1
251	Glutaminolysis is required for transforming growth factor-□1-induced myofibroblast differentiation and activation. *Journal of Biological Chemistry*, **2018**, 293, 1218-1228	5.4	73

250	DDIS-04. COMPOUNDS IDENTIFIED BY STRUCTURE BASED VIRTUAL SCREENING DECREASE GBM BTIC GROWTH AND GLUCOSE UPTAKE. *Neuro-Oncology*, **2018**, 20, vi69-vi70	1	78
249	N-acetylcysteine targets 5 lipoxygenase-derived, toxic lipids and can synergize with prostaglandin E to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. *Annals of Neurology*, **2018**, 84, 854-872	9.4	103
248	Exosomal transfer of mitochondria from airway myeloid-derived regulatory cells to T cells. *Redox Biology*, **2018**, 18, 54-64	11.3	84
247	Metformin reverses established lung fibrosis in a bleomycin model. *Nature Medicine*, **2018**, 24, 1121-1127	30.5	228
246	Trehalose does not improve neuronal survival on exposure to alpha-synuclein pre-formed fibrils. *Redox Biology*, **2017**, 11, 429-437	11.3	24
245	Endostatin inhibits androgen-independent prostate cancer growth by suppressing nuclear receptor-mediated oxidative stress. *FASEB Journal*, **2017**, 31, 1608-1619	0.9	11
244	Monocyte bioenergetic function is associated with body composition in virologically suppressed HIV-infected women. *Redox Biology*, **2017**, 12, 648-656	11.3	14
243	Inhibition of autophagy with bafilomycin and chloroquine decreases mitochondrial quality and bioenergetic function in primary neurons. *Redox Biology*, **2017**, 11, 73-81	11.3	120
242	NADPH Oxidase 4 (Nox4) Suppresses Mitochondrial Biogenesis and Bioenergetics in Lung Fibroblasts via a Nuclear Factor Erythroid-derived 2-like 2 (Nrf2)-dependent Pathway. *Journal of Biological Chemistry*, **2017**, 292, 3029-3038	5.4	65
241	O-GlcNAc regulation of autophagy and □-synuclein homeostasis; implications for Parkinson□ disease. *Molecular Brain*, **2017**, 10, 32	4.5	50
240	Regulation of autophagy, mitochondrial dynamics, and cellular bioenergetics by 4-hydroxynonenal in primary neurons. *Autophagy*, **2017**, 13, 1828-1840	10.2	32
239	Genetic disruption of the cardiomyocyte circadian clock differentially influences insulin-mediated processes in the heart. *Journal of Molecular and Cellular Cardiology*, **2017**, 110, 80-95	5.8	34
238	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). *Journal of Medicinal Chemistry*, **2017**, 60, 9184-9204	8.3	67
237	Constitutive activation of Nrf2 induces a stable reductive state in the mouse myocardium. *Redox Biology*, **2017**, 12, 937-945	11.3	37
236	O-GlcNAcylation and neurodegeneration. *Brain Research Bulletin*, **2017**, 133, 80-87	3.9	65
235	Addition of carbonic anhydrase 9 inhibitor SLC-0111 to temozolomide treatment delays glioblastoma growth in vivo. *JCI Insight*, **2017**, 2,	9.9	67
234	A biphasic effect of TNF-□n regulation of the Keap1/Nrf2 pathway in cardiomyocytes. *Redox Biology*, **2016**, 9, 77-89	11.3	52
233	The Bioenergetic Health Index is a sensitive measure of oxidative stress in human monocytes. *Redox Biology*, **2016**, 8, 43-50	11.3	41

232	Redox biology and the interface between bioenergetics, autophagy and circadian control of metabolism. *Free Radical Biology and Medicine*, **2016**, 100, 94-107	7.8	40
231	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
230	Disruption of nuclear factor (erythroid-derived-2)-like 2 antioxidant signaling: a mechanism for impaired activation of stem cells and delayed regeneration of skeletal muscle. *FASEB Journal*, **2016**, 30, 1865-79	0.9	20
229	Modification of platelet proteins by 4-hydroxynonenal: Potential Mechanisms for inhibition of aggregation and metabolism. *Free Radical Biology and Medicine*, **2016**, 91, 143-53	7.8	12
228	The Role of Autophagy, Mitophagy and Lysosomal Functions in Modulating Bioenergetics and Survival in the Context of Redox and Proteotoxic Damage: Implications for Neurodegenerative Diseases **2016**, 7, 150-62		62
227	Diagnosis and Treatment of Alcoholic Hepatitis: A Systematic Review. *Alcoholism: Clinical and Experimental Research*, **2016**, 40, 1390-402	3.7	32
226	Mapping the Human Platelet Lipidome Reveals Cytosolic Phospholipase A2 as a Regulator of Mitochondrial Bioenergetics during Activation. *Cell Metabolism*, **2016**, 23, 930-44	24.6	98
225	Assessing Cardiac Metabolism: A Scientific Statement From the American Heart Association. *Circulation Research*, **2016**, 118, 1659-701	15.7	142
224	Abrogation of Nrf2 impairs antioxidant signaling and promotes atrial hypertrophy in response to high-intensity exercise stress. *Journal of Translational Medicine*, **2016**, 14, 86	8.5	25
223	Pleiotropic effects of 4-hydroxynonenal on oxidative burst and phagocytosis in neutrophils. *Redox Biology*, **2016**, 9, 57-66	11.3	24
222	Participation of proteasome-ubiquitin protein degradation in autophagy and the activation of AMP-activated protein kinase. *Cellular Signalling*, **2015**, 27, 1186-97	4.9	28
221	Cardiomyocyte mitochondrial oxidative stress and cytoskeletal breakdown in the heart with a primary volume overload. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 308, H651-63	5.2	56
220	Upregulation of autophagy decreases chlorine-induced mitochondrial injury and lung inflammation. *Free Radical Biology and Medicine*, **2015**, 85, 83-94	7.8	36
219	Bioenergetic programming of macrophages by the apolipoprotein A-I mimetic peptide 4F. *Biochemical Journal*, **2015**, 467, 517-27	3.8	8
218	Hemoglobin-associated oxidative stress in the pericardial compartment of postoperative cardiac surgery patients. *Laboratory Investigation*, **2015**, 95, 132-41	5.9	25
217	Metabolic Reprogramming Is Required for Myofibroblast Contractility and Differentiation. *Journal of Biological Chemistry*, **2015**, 290, 25427-38	5.4	98
216	Enhanced cardiac Akt/protein kinase B signaling contributes to pathological cardiac hypertrophy in part by impairing mitochondrial function via transcriptional repression of mitochondrion-targeted nuclear genes. *Molecular and Cellular Biology*, **2015**, 35, 831-46	4.8	61
215	Regulation of autophagy by protein post-translational modification. *Laboratory Investigation*, **2015**, 95, 14-25	5.9	95

214	Defining the effects of storage on platelet bioenergetics: The role of increased proton leak. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 2525-34	6.9	17
213	Inhibition of the lymphocyte metabolic switch by the oxidative burst of human neutrophils. *Clinical Science*, **2015**, 129, 489-504	6.5	15
212	Decreased Bioenergetic Health Index in monocytes isolated from the pericardial fluid and blood of post-operative cardiac surgery patients. *Bioscience Reports*, **2015**, 35,	4.1	35
211	Metabolic plasticity in resting and thrombin activated platelets. *PLoS ONE*, **2015**, 10, e0123597	3.7	59
210	KEAP1-NRF2 signalling and autophagy in protection against oxidative and reductive proteotoxicity. *Biochemical Journal*, **2015**, 469, 347-55	3.8	124
209	The emerging theme of redox bioenergetics in health and disease. *Biomedical Journal*, **2015**, 38, 294-300	7.1	13
208	Autophagy as an essential cellular antioxidant pathway in neurodegenerative disease. *Redox Biology*, **2014**, 2, 82-90	11.3	244
207	A mitochondria-targeted mass spectrometry probe to detect glyoxals: implications for diabetes. *Free Radical Biology and Medicine*, **2014**, 67, 437-50	7.8	39
206	Mitochondria in monocytes and macrophages-implications for translational and basic research. *International Journal of Biochemistry and Cell Biology*, **2014**, 53, 202-207	5.6	32
205	Mitophagy mechanisms and role in human diseases. *International Journal of Biochemistry and Cell Biology*, **2014**, 53, 127-33	5.6	96
204	A review of the mitochondrial and glycolytic metabolism in human platelets and leukocytes: implications for their use as bioenergetic biomarkers. *Redox Biology*, **2014**, 2, 206-10	11.3	235
203	The role of GABARAPL1/GEC1 in autophagic flux and mitochondrial quality control in MDA-MB-436 breast cancer cells. *Autophagy*, **2014**, 10, 986-1003	10.2	68
202	The Bioenergetic Health Index: a new concept in mitochondrial translational research. *Clinical Science*, **2014**, 127, 367-73	6.5	185
201	Bioenergetics and the oxidative burst: protocols for the isolation and evaluation of human leukocytes and platelets. *Journal of Visualized Experiments*, **2014**,	1.6	50
200	Aging and energeticsPPTop 40Pfuture research opportunities 2010-2013. *F1000Research*, **2014**, 3, 219	3.6	14
199	Redox regulation of antioxidants, autophagy, and the response to stress: implications for electrophile therapeutics. *Free Radical Biology and Medicine*, **2014**, 71, 196-207	7.8	168
198	Inhibition of autophagy and glycolysis by nitric oxide during hypoxia-reoxygenation impairs cellular bioenergetics and promotes cell death in primary neurons. *Free Radical Biology and Medicine*, **2013**, 65, 1215-1228	7.8	33
197	Inhibition of glycolysis attenuates 4-hydroxynonenal-dependent autophagy and exacerbates apoptosis in differentiated SH-SY5Y neuroblastoma cells. *Autophagy*, **2013**, 9, 1996-2008	10.2	40

196	Utilization of fluorescent probes for the quantification and identification of subcellular proteomes and biological processes regulated by lipid peroxidation products. *Free Radical Biology and Medicine* , **2013**, 59, 56-68	7.8	16
195	Quercetin prevents left ventricular hypertrophy in the Apo E knockout mouse. *Redox Biology*, **2013**, 1, 381-6	11.3	26
194	Mitochondrially targeted compounds and their impact on cellular bioenergetics. *Redox Biology*, **2013**, 1, 86-93	11.3	155
193	Cellular metabolic and autophagic pathways: traffic control by redox signaling. *Free Radical Biology and Medicine*, **2013**, 63, 207-21	7.8	236
192	Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita(+/Ins2)-derived β-cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E585-99	6	34
191	Mitochondrial genetic background modulates bioenergetics and susceptibility to acute cardiac volume overload. *Biochemical Journal*, **2013**, 455, 157-67	3.8	63
190	Convergent mechanisms for dysregulation of mitochondrial quality control in metabolic disease: implications for mitochondrial therapeutics. *Biochemical Society Transactions*, **2013**, 41, 127-33	5.1	39
189	Mitochondria-targeted heme oxygenase-1 decreases oxidative stress in renal epithelial cells. *American Journal of Physiology - Renal Physiology*, **2013**, 305, F255-64	4.3	45
188	Bioenergetic and autophagic control by Sirt3 in response to nutrient deprivation in mouse embryonic fibroblasts. *Biochemical Journal*, **2013**, 454, 249-57	3.8	46
187	Mitochondria and AMP-activated protein kinase-dependent mechanism of efferocytosis. *Journal of Biological Chemistry*, **2013**, 288, 26013-26026	5.4	42
186	Methods for defining distinct bioenergetic profiles in platelets, lymphocytes, monocytes, and neutrophils, and the oxidative burst from human blood. *Laboratory Investigation*, **2013**, 93, 690-700	5.9	175
185	Xanthine oxidase inhibition preserves left ventricular systolic but not diastolic function in cardiac volume overload. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H1440-50	5.2	20
184	Mitochondrial bioenergetics of metastatic breast cancer cells in response to dynamic changes in oxygen tension: effects of HIF-1α *PLoS ONE*, **2013**, 8, e68348	3.7	24
183	Lipid metabolites enhance secretion acting on SNARE microdomains and altering the extent and kinetics of single release events in bovine adrenal chromaffin cells. *PLoS ONE*, **2013**, 8, e75845	3.7	16
182	Chlorine Gas Exposure on Human Bronchial Cells Decreases Mitochondrial Quality and Activates Autophagy. *FASEB Journal*, **2013**, 27, 919.5	0.9	
181	Autophagy in neuronal bioenergetics and survival. *FASEB Journal*, **2013**, 27, 1086.3	0.9	
180	Controlling radicals in the powerhouse: development of MitoSOD. *Chemistry and Biology*, **2012**, 19, 1217-8		6
179	Protein O-linked β-N-acetylglucosamine: a novel effector of cardiomyocyte metabolism and function. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 538-49	5.8	74

178	Integration of cellular bioenergetics with mitochondrial quality control and autophagy. *Biological Chemistry*, **2012**, 393, 1485-1512	4.5	275
177	Distinct effects of rotenone, 1-methyl-4-phenylpyridinium and 6-hydroxydopamine on cellular bioenergetics and cell death. *PLoS ONE*, **2012**, 7, e44610	3.7	87
176	Measuring reactive oxygen and nitrogen species with fluorescent probes: challenges and limitations. *Free Radical Biology and Medicine*, **2012**, 52, 1-6	7.8	1180
175	Metabolic syndrome and mitochondrial dysfunction: insights from preclinical studies with a mitochondrially targeted antioxidant. *Free Radical Biology and Medicine*, **2012**, 52, 838-40	7.8	13
174	Hemin causes mitochondrial dysfunction in endothelial cells through promoting lipid peroxidation: the protective role of autophagy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 302, H1394-409	5.2	104
173	Cell signalling by reactive lipid species: new concepts and molecular mechanisms. *Biochemical Journal*, **2012**, 442, 453-64	3.8	218
172	Mitochondrial Dysfunction in Neurodegenerative Disease: Protein Aggregation, Autophagy, and Oxidative Stress **2012**, 95-111		3
171	The electrophile responsive proteome: integrating proteomics and lipidomics with cellular function. *Antioxidants and Redox Signaling*, **2012**, 17, 1580-9	8.4	43
170	Loss of interstitial collagen causes structural and functional alterations of cardiomyocyte subsarcolemmal mitochondria in acute volume overload. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 147-56	5.8	38
169	Oxidative stress and myocardial remodeling in chronic mitral regurgitation. *American Journal of the Medical Sciences*, **2011**, 342, 114-9	2.2	20
168	Role of iPLA(2) in the regulation of Src trafficking and microglia chemotaxis. *Traffic*, **2011**, 12, 878-89	5.7	8
167	Oxidases and peroxidases in cardiovascular and lung disease: new concepts in reactive oxygen species signaling. *Free Radical Biology and Medicine*, **2011**, 51, 1271-88	7.8	193
166	Assessing bioenergetic function in response to oxidative stress by metabolic profiling. *Free Radical Biology and Medicine*, **2011**, 51, 1621-35	7.8	310
165	Novel insights into interactions between mitochondria and xanthine oxidase in acute cardiac volume overload. *Free Radical Biology and Medicine*, **2011**, 51, 1975-84	7.8	41
164	Differentiation of SH-SY5Y cells to a neuronal phenotype changes cellular bioenergetics and the response to oxidative stress. *Free Radical Biology and Medicine*, **2011**, 51, 2007-17	7.8	131
163	Nitric oxide and hypoxia exacerbate alcohol-induced mitochondrial dysfunction in hepatocytes. *Biochimica Et Biophysica Acta - Bioenergetics*, **2011**, 1807, 1573-82	4.6	47
162	Bioenergetic function in cardiovascular cells: the importance of the reserve capacity and its biological regulation. *Chemico-Biological Interactions*, **2011**, 191, 288-95	5	111
161	Mitochondria-targeted ubiquinone (MitoQ) decreases ethanol-dependent micro and macro hepatosteatosis. *Hepatology*, **2011**, 54, 153-63	11.2	86

160	PYK2 signaling is required for PDGF-dependent vascular smooth muscle cell proliferation. *American Journal of Physiology - Cell Physiology*, **2011**, 301, C242-51	5.4	33
159	Differential regulation of metabolism by nitric oxide and S-nitrosothiols in endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H803-12	5.2	24
158	Acquisition of temozolomide chemoresistance in gliomas leads to remodeling of mitochondrial electron transport chain. *Journal of Biological Chemistry*, **2010**, 285, 39759-67	5.4	126
157	What part of NO don't you understand? Some answers to the cardinal questions in nitric oxide biology. *Journal of Biological Chemistry*, **2010**, 285, 19699-704	5.4	235
156	Mitochondrial targeting of the electrophilic lipid 15-deoxy-Delta12,14-prostaglandin J2 increases apoptotic efficacy via redox cell signalling mechanisms. *Biochemical Journal*, **2010**, 426, 31-41	3.8	51
155	Bioenergetic profile experiment using C2C12 myoblast cells. *Journal of Visualized Experiments*, **2010**,	1.6	124
154	Role of cellular bioenergetics in smooth muscle cell proliferation induced by platelet-derived growth factor. *Biochemical Journal*, **2010**, 428, 255-67	3.8	77
153	Prevention of diabetic nephropathy in Ins2(+/)?(AkitaJ) mice by the mitochondria-targeted therapy MitoQ. *Biochemical Journal*, **2010**, 432, 9-19	3.8	176
152	Regulation of vascular smooth muscle cell bioenergetic function by protein glutathiolation. *Biochimica Et Biophysica Acta - Bioenergetics*, **2010**, 1797, 285-95	4.6	70
151	Mitochondrial reserve capacity in endothelial cells: The impact of nitric oxide and reactive oxygen species. *Free Radical Biology and Medicine*, **2010**, 48, 905-14	7.8	248
150	Protein O-GlcNAcylation: a new signaling paradigm for the cardiovascular system. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H13-28	5.2	118
149	Methods for imaging and detecting modification of proteins by reactive lipid species. *Free Radical Biology and Medicine*, **2009**, 47, 201-12	7.8	29
148	Importance of the bioenergetic reserve capacity in response to cardiomyocyte stress induced by 4-hydroxynonenal. *Biochemical Journal*, **2009**, 424, 99-107	3.8	224
147	High fat diet induces dysregulation of hepatic oxygen gradients and mitochondrial function in vivo. *Biochemical Journal*, **2009**, 417, 183-93	3.8	199
146	Oxidative stress induces vascular calcification through modulation of the osteogenic transcription factor Runx2 by AKT signaling. *Journal of Biological Chemistry*, **2008**, 283, 15319-27	5.4	429
145	Accumulation of 15-deoxy-delta(12,14)-prostaglandin J2 adduct formation with Keap1 over time: effects on potency for intracellular antioxidant defence induction. *Biochemical Journal*, **2008**, 411, 297-306	3.8	101
144	S-nitrosation and thiol switching in the mitochondrion: a new paradigm for cardioprotection in ischaemic preconditioning. *Biochemical Journal*, **2008**, 412, e11-3	3.8	19
143	Proteomic approaches to identify and characterize alterations to the mitochondrial proteome in alcoholic liver disease. *Methods in Molecular Biology*, **2008**, 447, 369-80	1.4	13

142	Hydrogen sulfide mediates vasoactivity in an O2-dependent manner. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H1953-60	5.2	137
141	Is the soluble guanylate cyclase pathway the only one available for nitric oxide (NO) signaling?. *IUBMB Life*, **2007**, 59, 110-2	4.7	
140	Novel interactions of mitochondria and reactive oxygen/nitrogen species in alcohol mediated liver disease. *World Journal of Gastroenterology*, **2007**, 13, 4967-73	5.6	48
139	Methods for measuring the regulation of respiration by nitric oxide. *Methods in Cell Biology*, **2007**, 80, 395-416	1.8	5
138	Hydrogen sulfide mediates the vasoactivity of garlic. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17977-82	11.5	605
137	Evidence for oxygen as the master regulator of the responsiveness of soluble guanylate cyclase and cytochrome c oxidase to nitric oxide. *Biochemical Journal*, **2007**, 405, e3-4	3.8	4
136	Mechanism by which alcohol and wine polyphenols affect coronary heart disease risk. *Annals of Epidemiology*, **2007**, 17, S24-31	6.4	50
135	Deoxymyoglobin is a nitrite reductase that generates nitric oxide and regulates mitochondrial respiration. *Circulation Research*, **2007**, 100, 654-61	15.7	466
134	A sensitive method for the quantitative measurement of protein thiol modification in response to oxidative stress. *Free Radical Biology and Medicine*, **2006**, 40, 459-68	7.8	41
133	The Covalent Advantage: A New Paradigm for Cell Signaling Mediated by Thiol Reactive Lipid Oxidation Products **2006**, 343-367		4
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