

Victor M Darley-USmar

List of Publications by Year
in descending order

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Version: 2024-02-01

314
papers

33,457
citations

3159

92
h-index

4432

172
g-index

321
all docs

321
docs citations

321
times ranked

44500
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting whole body metabolism and mitochondrial bioenergetics in the drug development for Alzheimer's disease. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 511-531.	12.0	26
2	Oxylipin metabolism is controlled by mitochondrial \hat{I}^2 -oxidation during bacterial inflammation. <i>Nature Communications</i> , 2022, 13, 139.	12.8	27
3	Optimization of measurement of mitochondrial electron transport activity in postmortem human brain samples and measurement of susceptibility to rotenone and 4-hydroxynonenal inhibition. <i>Redox Biology</i> , 2022, 50, 102241.	9.0	4
4	Differential Effects of 2-Deoxyglucose and Glucose Deprivation on 4-Hydroxynonenal Dependent Mitochondrial Dysfunction in Primary Neurons. <i>Frontiers in Aging</i> , 2022, 3, .	2.6	2
5	Acute inhibition of OGA sex-dependently alters the networks associated with bioenergetics, autophagy, and neurodegeneration. <i>Molecular Brain</i> , 2022, 15, 22.	2.6	5
6	Targeting oncometabolism to maximize immunotherapy in malignant brain tumors. <i>Oncogene</i> , 2022, 41, 2663-2671.	5.9	5
7	Activation of Autophagic Flux Maintains Mitochondrial Homeostasis during Cardiac Ischemia/Reperfusion Injury. <i>Cells</i> , 2022, 11, 2111.	4.1	5
8	A role for GLUT3 in glioblastoma cell invasion that is not recapitulated by GLUT1. <i>Cell Adhesion and Migration</i> , 2021, 15, 101-115.	2.7	20
9	New Insights Into the Biology of Protein O-GlcNAcylation: Approaches and Observations. <i>Frontiers in Aging</i> , 2021, 1, .	2.6	17
10	Bioenergetic maladaptation and release of HMGB1 in calcineurin inhibitor-mediated nephrotoxicity. <i>American Journal of Transplantation</i> , 2021, 21, 2964-2977.	4.7	6
11	UAB-UCSD Oâ€™Brien Center for Acute Kidney Injury Research. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F870-F882.	2.7	4
12	Metabolic alterations mediated by STAT3 promotes drug persistence in CML. <i>Leukemia</i> , 2021, 35, 3371-3382.	7.2	19
13	AMPK activates Parkin independent autophagy and improves post sepsis immune defense against secondary bacterial lung infections. <i>Scientific Reports</i> , 2021, 11, 12387.	3.3	12
14	University of Alabama at Birmingham Nathan Shock Center: comparative energetics of aging. <i>GeroScience</i> , 2021, 43, 2149-2160.	4.6	2
15	Hedgehog Signaling Regulates Metabolism and Polarization of Mammary Tumor-Associated Macrophages. <i>Cancer Research</i> , 2021, 81, 5425-5437.	0.9	50
16	ZKSCAN3 in severe bacterial lung infection and sepsis-induced immunosuppression. <i>Laboratory Investigation</i> , 2021, 101, 1467-1474.	3.7	8
17	Defining the Dynamic Regulation of O-GlcNAc Proteome in the Mouse Cortex—the O-GlcNAcylation of Synaptic and Trafficking Proteins Related to Neurodegenerative Diseases. <i>Frontiers in Aging</i> , 2021, 2, .	2.6	10
18	Mesenchymal stromal cell aging impairs the self-organizing capacity of lung alveolar epithelial stem cells. <i>ELife</i> , 2021, 10, .	6.0	22

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19	Fasting drives the metabolic, molecular and geroprotective effects of a calorie-restricted diet in mice. <i>Nature Metabolism</i> , 2021, 3, 1327-1341.	11.9	84
20	Metabolic derangement in polycystic kidney disease mouse models is ameliorated by mitochondrial-targeted antioxidants. <i>Communications Biology</i> , 2021, 4, 1200.	4.4	16
21	The Identification of a Novel Calcium-Dependent Link Between NAD ⁺ and Glucose Deprivation-Induced Increases in Protein O-GlcNAcylation and ER Stress. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 780865.	3.5	3
22	A precision medicine approach to defining the impact of doxorubicin on the bioenergetic-metabolite interactome in human platelets. <i>Redox Biology</i> , 2020, 28, 101311.	9.0	11
23	The Role of Metabolic Plasticity in Blood and Brain Stem Cell Pathophysiology. <i>Cancer Research</i> , 2020, 80, 5-16.	0.9	17
24	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10984-11011.	6.4	30
25	Differential effects of REV-ERB α/β agonism on cardiac gene expression, metabolism, and contractile function in a mouse model of circadian disruption. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1487-H1508.	3.2	29
26	Lung Tumor Cell-Derived Exosomes Promote M2 Macrophage Polarization. <i>Cells</i> , 2020, 9, 1303.	4.1	123
27	Mitochondrial damage and senescence phenotype of cells derived from a novel frataxin G127V point mutation mouse model of Friedreich's ataxia. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	2.4	10
28	Reductive Stress Causes Pathological Cardiac Remodeling and Diastolic Dysfunction. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1293-1312.	5.4	27
29	Mitochondrial Oxidative Phosphorylation Regulates the Fate Decision between Pathogenic Th17 and Regulatory T Cells. <i>Cell Reports</i> , 2020, 30, 1898-1909.e4.	6.4	103
30	Nuclear receptor binding factor 2 (NRBF2) is required for learning and memory. <i>Laboratory Investigation</i> , 2020, 100, 1238-1251.	3.7	8
31	Insulin-Like Growth Factors Are Key Regulators of T Helper 17 Regulatory T Cell Balance in Autoimmunity. <i>Immunity</i> , 2020, 52, 650-667.e10.	14.3	84
32	Dynamic Imaging of LDH Inhibition in Tumors Reveals Rapid In Vivo Metabolic Rewiring and Vulnerability to Combination Therapy. <i>Cell Reports</i> , 2020, 30, 1798-1810.e4.	6.4	73
33	A novel approach to measure mitochondrial respiration in frozen biological samples. <i>EMBO Journal</i> , 2020, 39, e104073.	7.8	110
34	Targeting Glycolysis through Inhibition of Lactate Dehydrogenase Impairs Tumor Growth in Preclinical Models of Ewing Sarcoma. <i>Cancer Research</i> , 2019, 79, 5060-5073.	0.9	86
35	Precisely Control Mitochondria with Light to Manipulate Cell Fate Decision. <i>Biophysical Journal</i> , 2019, 117, 631-645.	0.5	23
36	Bioenergetics and translational metabolism: implications for genetics, physiology and precision medicine. <i>Biological Chemistry</i> , 2019, 401, 3-29.	2.5	41

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37	Enhanced Keap1-Nrf2 signaling protects the myocardium from isoproterenol-induced pathological remodeling in mice. <i>Redox Biology</i> , 2019, 27, 101212.	9.0	54
38	New quantitative approach reveals heterogeneity in mitochondrial structure-function relations in tumor initiating cells. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	25
39	Mitochondria in precision medicine; linking bioenergetics and metabolomics in platelets. <i>Redox Biology</i> , 2019, 22, 101165.	9.0	34
40	Acute increases in α -GlcNAc indirectly impair mitochondrial bioenergetics through dysregulation of LonP1-mediated mitochondrial protein complex turnover. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C862-C875.	4.6	16
41	Feasibility of cellular bioenergetics as a biomarker in porphyria patients. <i>Molecular Genetics and Metabolism Reports</i> , 2019, 19, 100451.	1.1	17
42	DDIS-24. DECREASE IN GLIOBLASTOMA GROWTH IN VITRO WITH TREATMENT OF NOVEL ANALOGS OF GLUCOSE TRANSPORTER INHIBITORS. <i>Neuro-Oncology</i> , 2019, 21, vi68-vi68.	1.2	0
43	Truncating α -PKHD1 and α -PKD2 mutations alter energy metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F414-F425.	2.7	16
44	Mitoquinone ameliorates pressure overload-induced cardiac fibrosis and left ventricular dysfunction in mice. <i>Redox Biology</i> , 2019, 21, 101100.	9.0	80
45	SIRT3 diminishes inflammation and mitigates endotoxin-induced acute lung injury. <i>JCI Insight</i> , 2019, 4, .	5.0	105
46	SIRT1 regulates metabolism and leukemogenic potential in CML stem cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 2685-2701.	8.2	56
47	Integrative metabolomics and transcriptomics signatures of clinical tolerance to <i>Plasmodium vivax</i> reveal activation of innate cell immunity and T cell signaling. <i>Redox Biology</i> , 2018, 17, 158-170.	9.0	59
48	Methods for assessing mitochondrial quality control mechanisms and cellular consequences in cell culture. <i>Redox Biology</i> , 2018, 17, 59-69.	9.0	37
49	Temporal partitioning of adaptive responses of the murine heart to fasting. <i>Life Sciences</i> , 2018, 197, 30-39.	4.3	16
50	An overview of the emerging interface between cardiac metabolism, redox biology and the circadian clock. <i>Free Radical Biology and Medicine</i> , 2018, 119, 75-84.	2.9	14
51	Poldip2 is an oxygen-sensitive protein that controls PDH and α -KGDH lipoylation and activation to support metabolic adaptation in hypoxia and cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1789-1794.	7.1	52
52	Mitochondrial function and autophagy: integrating proteotoxic, redox, and metabolic stress in Parkinson's disease. <i>Journal of Neurochemistry</i> , 2018, 144, 691-709.	3.9	58
53	Glutaminolysis is required for transforming growth factor- β -induced myofibroblast differentiation and activation. <i>Journal of Biological Chemistry</i> , 2018, 293, 1218-1228.	3.4	126
54	DDIS-04. COMPOUNDS IDENTIFIED BY STRUCTURE BASED VIRTUAL SCREENING DECREASE GBM BTIC GROWTH AND GLUCOSE UPTAKE. <i>Neuro-Oncology</i> , 2018, 20, vi69-vi70.	1.2	0

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55	Nâ€acetylcysteine targets 5 lipoxygenaseâ€derived, toxic lipids and can synergize with prostaglandin E₂ to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. Annals of Neurology, 2018, 84, 854-872.	5.3	195
56	Exosomal transfer of mitochondria from airway myeloid-derived regulatory cells to T cells. Redox Biology, 2018, 18, 54-64.	9.0	130
57	Metformin reverses established lung fibrosis in a bleomycin model. Nature Medicine, 2018, 24, 1121-1127.	30.7	411
58	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. Blood, 2018, 132, 1180-1192.	1.4	57
59	Identification of Compounds That Decrease Glioblastoma Growth and Glucose Uptake <i>in Vitro</i>. ACS Chemical Biology, 2018, 13, 2048-2057.	3.4	24
60	Effector CD4 T cells with progenitor potential mediate chronic intestinal inflammation. Journal of Experimental Medicine, 2018, 215, 1803-1812.	8.5	23
61	Rust never sleeps: The continuing story of the Iron Bolt. Free Radical Biology and Medicine, 2018, 124, 353-357.	2.9	1
62	Autophagy and the redox connection: Virtual collection Vol 2. Redox Biology, 2017, 11, 620-621.	9.0	0
63	Trehalose does not improve neuronal survival on exposure to alpha-synuclein pre-formed fibrils. Redox Biology, 2017, 11, 429-437.	9.0	33
64	Endostatin inhibits androgenâ€independent prostate cancer growth by suppressing nuclear receptorâ€mediated oxidative stress. FASEB Journal, 2017, 31, 1608-1619.	0.5	11
65	Monocyte bioenergetic function is associated with body composition in virologically suppressed HIV-infected women. Redox Biology, 2017, 12, 648-656.	9.0	22
66	Inhibition of autophagy with bafilomycin and chloroquine decreases mitochondrial quality and bioenergetic function in primary neurons. Redox Biology, 2017, 11, 73-81.	9.0	188
67	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.	3.4	95
68	Regulation of autophagy, mitochondrial dynamics, and cellular bioenergetics by 4-hydroxynonenal in primary neurons. Autophagy, 2017, 13, 1828-1840.	9.1	57
69	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.	1.9	52
70	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). Journal of Medicinal Chemistry, 2017, 60, 9184-9204.	6.4	98
71	Constitutive activation of Nrf2 induces a stable reductive state in the mouse myocardium. Redox Biology, 2017, 12, 937-945.	9.0	49
72	O-GlcNAcylation and neurodegeneration. Brain Research Bulletin, 2017, 133, 80-87.	3.0	96

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73	O-GlcNAc regulation of autophagy and α -synuclein homeostasis; implications for Parkinson's disease. <i>Molecular Brain</i> , 2017, 10, 32.	2.6	67
74	Addition of carbonic anhydrase 9 inhibitor SLC-0111 to temozolomide treatment delays glioblastoma growth in vivo. <i>JCI Insight</i> , 2017, 2, .	5.0	94
75	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.		75
76	Diagnosis and Treatment of Alcoholic Hepatitis: A Systematic Review. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 1390-1402.	2.4	47
77	Mapping the Human Platelet Lipidome Reveals Cytosolic Phospholipase A2 as a Regulator of Mitochondrial Bioenergetics during Activation. <i>Cell Metabolism</i> , 2016, 23, 930-944.	16.2	150
78	Assessing Cardiac Metabolism. <i>Circulation Research</i> , 2016, 118, 1659-1701.	4.5	211
79	Abrogation of Nrf2 impairs antioxidant signaling and promotes atrial hypertrophy in response to high-intensity exercise stress. <i>Journal of Translational Medicine</i> , 2016, 14, 86.	4.4	26
80	Pleiotropic effects of 4-hydroxynonenal on oxidative burst and phagocytosis in neutrophils. <i>Redox Biology</i> , 2016, 9, 57-66.	9.0	31
81	A biphasic effect of TNF- α in regulation of the Keap1/Nrf2 pathway in cardiomyocytes. <i>Redox Biology</i> , 2016, 9, 77-89.	9.0	71
82	The Bioenergetic Health Index is a sensitive measure of oxidative stress in human monocytes. <i>Redox Biology</i> , 2016, 8, 43-50.	9.0	54
83	Redox biology and the interface between bioenergetics, autophagy and circadian control of metabolism. <i>Free Radical Biology and Medicine</i> , 2016, 100, 94-107.	2.9	44
84	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
85	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. <i>FASEB Journal</i> , 2016, 30, 1865-1879.	0.5	27
86	Modification of platelet proteins by 4-hydroxynonenal: Potential Mechanisms for inhibition of aggregation and metabolism. <i>Free Radical Biology and Medicine</i> , 2016, 91, 143-153.	2.9	13
87	Defining the effects of storage on platelet bioenergetics: The role of increased proton leak. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2525-2534.	3.8	23
88	Inhibition of the lymphocyte metabolic switch by the oxidative burst of human neutrophils. <i>Clinical Science</i> , 2015, 129, 489-504.	4.3	20
89	Decreased Bioenergetic Health Index in monocytes isolated from the pericardial fluid and blood of post-operative cardiac surgery patients. <i>Bioscience Reports</i> , 2015, 35, .	2.4	45
90	Metabolic Plasticity in Resting and Thrombin Activated Platelets. <i>PLoS ONE</i> , 2015, 10, e0123597.	2.5	98

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91	KEAP1â€NRF2 signalling and autophagy in protection against oxidative and reductive proteotoxicity. Biochemical Journal, 2015, 469, 347-355.	3.7	160
92	Participation of proteasome-ubiquitin protein degradation in autophagy and the activation of AMP-activated protein kinase. Cellular Signalling, 2015, 27, 1186-1197.	3.6	33
93	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-H663.	3.2	66
94	Upregulation of autophagy decreases chlorine-induced mitochondrial injury and lung inflammation. Free Radical Biology and Medicine, 2015, 85, 83-94.	2.9	51
95	Bioenergetic programming of macrophages by the apolipoprotein A-I mimetic peptide 4F. Biochemical Journal, 2015, 467, 517-527.	3.7	9
96	Hemoglobin-associated oxidative stress in the pericardial compartment of postoperative cardiac surgery patients. Laboratory Investigation, 2015, 95, 132-141.	3.7	39
97	Metabolic Reprogramming Is Required for Myofibroblast Contractility and Differentiation. Journal of Biological Chemistry, 2015, 290, 25427-25438.	3.4	140
98	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, 831-846.	2.3	84
99	Regulation of autophagy by protein post-translational modification. Laboratory Investigation, 2015, 95, 14-25.	3.7	130
100	The emerging theme of redox bioenergetics in health and disease. Biomedical Journal, 2015, 38, 294.	3.1	13
101	The role of GABARAPL1/GEC1 in autophagic flux and mitochondrial quality control in MDA-MB-436 breast cancer cells. Autophagy, 2014, 10, 986-1003.	9.1	86
102	The Bioenergetic Health Index: a new concept in mitochondrial translational research. Clinical Science, 2014, 127, 367-373.	4.3	266
103	Bioenergetics and the Oxidative Burst: Protocols for the Isolation and Evaluation of Human Leukocytes and Platelets. Journal of Visualized Experiments, 2014, , .	0.3	61
104	Aging and energeticsâ€™ â€™Top 40â€™ future research opportunities 2010-2013. F1000Research, 2014, 3, 219. 1.6		17
105	Redox regulation of antioxidants, autophagy, and the response to stress: Implications for electrophile therapeutics. Free Radical Biology and Medicine, 2014, 71, 196-207.	2.9	207
106	Autophagy as an essential cellular antioxidant pathway in neurodegenerative disease. Redox Biology, 2014, 2, 82-90.	9.0	303
107	Redox Biology celebrates its first anniversary with over 100 articles, Listing In PubMedÂand 120,000 downloadsÂwith overÂ230 citations!. Redox Biology, 2014, 2, 640-641.	9.0	0
108	A mitochondria-targeted mass spectrometry probe to detect glyoxals: implications for diabetes. Free Radical Biology and Medicine, 2014, 67, 437-450.	2.9	44

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109	Mitochondria in monocytes and macrophages-implications for translational and basic research. International Journal of Biochemistry and Cell Biology, 2014, 53, 202-207.	2.8	48
110	Mitophagy mechanisms and role in human diseases. International Journal of Biochemistry and Cell Biology, 2014, 53, 127-133.	2.8	118
111	A review of the mitochondrial and glycolytic metabolism in human platelets and leukocytes: Implications for their use as bioenergetic biomarkers. Redox Biology, 2014, 2, 206-210.	9.0	310
112	Translational Bioenergetics: A Promising Biomarker With Potential to Personalize Treatment in Patients With Alcoholic Liver Disease. American Journal of Gastroenterology, 2014, 109, S138-S139.	0.4	1
113	Off to a good start and a promising future in communicating cutting edge developments in redox biology. Redox Biology, 2013, 1, 446-447.	9.0	1
114	Inhibition of autophagy and glycolysis by nitric oxide during hypoxiaâ€œreoxygenation impairs cellular bioenergetics and promotes cell death in primary neurons. Free Radical Biology and Medicine, 2013, 65, 1215-1228.	2.9	40
115	Inhibition of glycolysis attenuates 4-hydroxynonenal-dependent autophagy and exacerbates apoptosis in differentiated SH-SY5Y neuroblastoma cells. Autophagy, 2013, 9, 1996-2008.	9.1	45
116	Launch of Redox Biology: A new venue for studies in translational, basic and applied research in the fields of antioxidants, cell signaling and redox therapeutics. Redox Biology, 2013, 1, 17-18.	9.0	2
117	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.	2.9	20
118	Quercetin prevents left ventricular hypertrophy in the Apo E knockout mouse. Redox Biology, 2013, 1, 381-386.	9.0	29
119	Mitochondrially targeted compounds and their impact on cellular bioenergetics. Redox Biology, 2013, 1, 86-93.	9.0	192
120	Cellular metabolic and autophagic pathways: Traffic control by redox signaling. Free Radical Biology and Medicine, 2013, 63, 207-221.	2.9	284
121	Dysfunctional mitochondrial bioenergetics and oxidative stress in Akita ^{<sup>+</sup>/Ins2^{<sup>-</sup>}-derived Î²-cells. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E585-E599.}	3.5	39
122	Mitochondrial genetic background modulates bioenergetics and susceptibility to acute cardiac volume overload. Biochemical Journal, 2013, 455, 157-167.	3.7	79
123	Convergent mechanisms for dysregulation of mitochondrial quality control in metabolic disease: implications for mitochondrial therapeutics. Biochemical Society Transactions, 2013, 41, 127-133.	3.4	46
124	Mitochondria-targeted heme oxygenase-1 decreases oxidative stress in renal epithelial cells. American Journal of Physiology - Renal Physiology, 2013, 305, F255-F264.	2.7	59
125	Bioenergetic and autophagic control by Sirt3Âin response to nutrient deprivation in mouse embryonic fibroblasts. Biochemical Journal, 2013, 454, 249-257.	3.7	64
126	Mitochondria and AMP-activated Protein Kinase-dependent Mechanism of Efferocytosis. Journal of Biological Chemistry, 2013, 288, 26013-26026.	3.4	55

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127	Methods for defining distinct bioenergetic profiles in platelets, lymphocytes, monocytes, and neutrophils, and the oxidative burst from human blood. <i>Laboratory Investigation</i> , 2013, 93, 690-700.	3.7	237
128	Xanthine oxidase inhibition preserves left ventricular systolic but not diastolic function in cardiac volume overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1440-H1450.	3.2	22
129	Mitochondrial Bioenergetics of Metastatic Breast Cancer Cells in Response to Dynamic Changes in Oxygen Tension: Effects of HIF-1 α . <i>PLoS ONE</i> , 2013, 8, e68348.	2.5	28
130	Lipid Metabolites Enhance Secretion Acting on SNARE Microdomains and Altering the Extent and Kinetics of Single Release Events in Bovine Adrenal Chromaffin Cells. <i>PLoS ONE</i> , 2013, 8, e75845.	2.5	18
131	Chlorine Gas Exposure on Human Bronchial Cells Decreases Mitochondrial Quality and Activates Autophagy. <i>FASEB Journal</i> , 2013, 27, 919.5.	0.5	0
132	Autophagy in neuronal bioenergetics and survival. <i>FASEB Journal</i> , 2013, 27, 1086.3.	0.5	0
133	Hemin causes mitochondrial dysfunction in endothelial cells through promoting lipid peroxidation: the protective role of autophagy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1394-H1409.	3.2	130
134	Cell signalling by reactive lipid species: new concepts and molecular mechanisms. <i>Biochemical Journal</i> , 2012, 442, 453-464.	3.7	268
135	Mitochondrial Dysfunction in Neurodegenerative Disease: Protein Aggregation, Autophagy, and Oxidative Stress. , 2012, , 95-111.		4
136	The Electrophile Responsive Proteome: Integrating Proteomics and Lipidomics with Cellular Function. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1580-1589.	5.4	51
137	Controlling Radicals in the Powerhouse: Development of MitoSOD. <i>Chemistry and Biology</i> , 2012, 19, 1217-1218.	6.0	7
138	Protein O-linked β -N-acetylglucosamine: A novel effector of cardiomyocyte metabolism and function. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 538-549.	1.9	102
139	Integration of cellular bioenergetics with mitochondrial quality control and autophagy. <i>Biological Chemistry</i> , 2012, 393, 1485-1512.	2.5	376
140	Distinct Effects of Rotenone, 1-methyl-4-phenylpyridinium and 6-hydroxydopamine on Cellular Bioenergetics and Cell Death. <i>PLoS ONE</i> , 2012, 7, e44610.	2.5	115
141	Measuring reactive oxygen and nitrogen species with fluorescent probes: challenges and limitations. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1-6.	2.9	1,424
142	Metabolic syndrome and mitochondrial dysfunction: insights from preclinical studies with a mitochondrially targeted antioxidant. <i>Free Radical Biology and Medicine</i> , 2012, 52, 838-840.	2.9	17
143	Loss of interstitial collagen causes structural and functional alterations of cardiomyocyte subsarcolemmal mitochondria in acute volume overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 147-156.	1.9	45
144	Oxidative Stress and Myocardial Remodeling in Chronic Mitral Regurgitation. <i>American Journal of the Medical Sciences</i> , 2011, 342, 114-119.	1.1	22

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145	Role of iPLA ₂ in the Regulation of Src Trafficking and Microglia Chemotaxis. <i>Traffic</i> , 2011, 12, 878-889.	2.7	8
146	Oxidases and peroxidases in cardiovascular and lung disease: New concepts in reactive oxygen species signaling. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1271-1288.	2.9	218
147	Assessing bioenergetic function in response to oxidative stress by metabolic profiling. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1621-1635.	2.9	372
148	Novel insights into interactions between mitochondria and xanthine oxidase in acute cardiac volume overload. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1975-1984.	2.9	49
149	Differentiation of SH-SY5Y cells to a neuronal phenotype changes cellular bioenergetics and the response to oxidative stress. <i>Free Radical Biology and Medicine</i> , 2011, 51, 2007-2017.	2.9	160
150	Nitric oxide and hypoxia exacerbate alcohol-induced mitochondrial dysfunction in hepatocytes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1573-1582.	1.0	61
151	Bioenergetic function in cardiovascular cells: The importance of the reserve capacity and its biological regulation. <i>Chemico-Biological Interactions</i> , 2011, 191, 288-295.	4.0	134
152	Mitochondria-targeted ubiquinone (MitoQ) decreases ethanol-dependent micro and macro hepatosteatosis. <i>Hepatology</i> , 2011, 54, 153-163.	7.3	98
153	PYK2 signaling is required for PDGF-dependent vascular smooth muscle cell proliferation. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C242-C251.	4.6	36
154	Differential regulation of metabolism by nitric oxide and S-nitrosothiols in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H803-H812.	3.2	24
155	Bioenergetic Profile Experiment using C2C12 Myoblast Cells. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	158
156	Role of cellular bioenergetics in smooth muscle cell proliferation induced by platelet-derived growth factor. <i>Biochemical Journal</i> , 2010, 428, 255-267.	3.7	93
157	Prevention of diabetic nephropathy in Ins2+/+Akita mice by the mitochondria-targeted therapy MitoQ. <i>Biochemical Journal</i> , 2010, 432, 9-19.	3.7	189
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