Navdeep S Chandel

List of Publications by Year
in descending order

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252 papers	56,099 citations	1994 101 h-index	1222 227 g-index
289 all docs	289 docs citations	289 times ranked	70166 citing authors

#	Article	IF	Citations
1	Scinderin promotes fusion of electron transport chain dysfunctional muscle stem cells with myofibers. Nature Aging, 2022, 2, 155-169.	11.6	15
2	BMAL1 drives muscle repair through control of hypoxic NAD⁺ regeneration in satellite cells. Genes and Development, 2022, 36, 149-166.	5.9	13
3	Genes Involved in Maintaining Mitochondrial Membrane Potential Upon Electron Transport Chain Disruption. Frontiers in Cell and Developmental Biology, 2022, 10, 781558.	3.7	16
4	2-Year-Old and 3-Year-Old Italian ALS Patients with Novel ALS2 Mutations: Identification of Key Metabolites in Their Serum and Plasma. Metabolites, 2022, 12, 174.	2.9	3
5	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology. Nature Reviews Molecular Cell Biology, 2022, 23, 499-515.	37.0	469
6	Mitochondrial dysregulation occurs early in ALS motor cortex with TDP-43 pathology and suggests maintaining NAD+ balance as a therapeutic strategy. Scientific Reports, 2022, 12, 4287.	3.3	17
7	Reduced expression of mitochondrial complex I subunit Ndufs2 does not impact healthspan in mice. Scientific Reports, 2022, 12, 5196.	3.3	10
8	Disruption of mitochondrial complex III in cap mesenchyme but not in ureteric progenitors results in defective nephrogenesis associated with amino acid deficiency. Kidney International, 2022, , .	5.2	0
9	Hexokinase 1 cellular localization regulates the metabolic fate of glucose. Molecular Cell, 2022, 82, 1261-1277.e9.	9.7	42
10	Intermittent prednisone treatment in mice promotes exercise tolerance in obesity through adiponectin. Journal of Experimental Medicine, 2022, 219, .	8.5	7
11	Neurons undergo pathogenic metabolic reprogramming in models of familial ALS. Molecular Metabolism, 2022, 60, 101468.	6.5	6
12	Mitochondrial electron transport chain is necessary for NLRP3 inflammasome activation. Nature Immunology, 2022, 23, 692-704.	14.5	107
13	ISL2 is a putative tumor suppressor whose epigenetic silencing reprograms the metabolism of pancreatic cancer. Developmental Cell, 2022, 57, 1331-1346.e9.	7.0	9
14	Kidney epithelial targeted mitochondrial transcription factor A deficiency results inÂprogressive mitochondrial depletion associatedÂwith severe cystic disease. Kidney International, 2021, 99, 657-670.	5.2	16
15	Carbohydrate Metabolism. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040568.	5.5	53
16	Treating mitochondrial diseases with antibiotics. Nature Metabolism, 2021, 3, 5-6.	11.9	2
17	Targeting Bacteria within Us to Diminish Infection and Autoimmunity. Immunity, 2021, 54, 1-3.	14.3	7
18	Signaling and Metabolism. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040600.	5.5	12

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19	The lung microenvironment shapes a dysfunctional response of alveolar macrophages in aging. Journal of Clinical Investigation, 2021, 131, .	8.2	86
20	Polyamines drive myeloid cell survival by buffering intracellular pH to promote immunosuppression in glioblastoma. Science Advances, 2021, 7, .	10.3	45
21	LKB1/STK11 Is a Tumor Suppressor in the Progression of Myeloproliferative Neoplasms. Cancer Discovery, 2021, 11, 1398-1410.	9.4	29
22	Mitochondrial metabolism is essential for invariant natural killer T cell development and function. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
23	Mitochondria as Signaling Organelles Control Mammalian Stem Cell Fate. Cell Stem Cell, 2021, 28, 394-408.	11.1	151
24	Mitochondria. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040543.	5.5	32
25	SGK1 signaling promotes glucose metabolism and survival in extracellular matrix detached cells. Cell Reports, 2021, 34, 108821.	6.4	32
26	Mitochondrial Metabolism Regulation of T Cellâ€“Mediated Immunity. Annual Review of Immunology, 2021, 39, 395-416.	21.8	34
27	Mitochondrial respiration controls the Prox1-Vegfr3 feedback loop during lymphatic endothelial cell fate specification and maintenance. Science Advances, 2021, 7, .	10.3	16
28	Amino Acid Metabolism. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040584.	5.5	25
29	Glycolysis. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040535.	5.5	84
30	NADPHâ€”The Forgotten Reducing Equivalent. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040550.	5.5	23
31	Nucleotide Metabolism. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040592.	5.5	18
32	Cancer metabolism: looking forward. Nature Reviews Cancer, 2021, 21, 669-680.	28.4	676
33	Lessons from Cancer Metabolism for Pulmonary Arterial Hypertension and Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 134-145.	2.9	9
34	Basics of Metabolic Reactions. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040527.	5.5	5
35	Hypoxic preconditioning protects against ischemic kidney injury through the IDO1/kynurenine pathway. Cell Reports, 2021, 36, 109547.	6.4	25
36	Metabolic decisions in development and diseaseâ€”a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 55-73.	3.8	6

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37	Lipid Metabolism. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040576.	5.5	25
38	Metabolism of Proliferating Cells. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040618.	5.5	13
39	The Gro3p factor: Restoring NAD+/NADH homeostasis to ameliorate mitochondrial disease. Cell Metabolism, 2021, 33, 1905-1907.	16.2	2
40	Fumarate is a terminal electron acceptor in the mammalian electron transport chain. Science, 2021, 374, 1227-1237.	12.6	96
41	NADH inhibition of SIRT1 links energy state to transcription during time-restricted feeding. Nature Metabolism, 2021, 3, 1621-1632.	11.9	26
42	Reactive oxygen species and cancer. , 2020, , 619-637.		5
43	FIHâ€1 engages novel binding partners to positively influence epithelial proliferation via p63. FASEB Journal, 2020, 34, 525-539.	0.5	10
44	Mitochondrial TCA cycle metabolites control physiology and disease. Nature Communications, 2020, 11, 102.	12.8	1,213
45	Mitochondrial Metabolism as a Target for Cancer Therapy. Cell Metabolism, 2020, 32, 341-352.	16.2	323
46	Epithelial cellâ€“specific loss of function of Miz1 causes a spontaneous COPD-like phenotype and up-regulates Ace2 expression in mice. Science Advances, 2020, 6, eabb7238.	10.3	16
47	Metabolic determinants of cellular fitness dependent on mitochondrial reactive oxygen species. Science Advances, 2020, 6, .	10.3	28
48	Mitochondrial Dysfunction in Fragile-X Syndrome: Plugging the Leak May Save the Ship. Molecular Cell, 2020, 80, 381-383.	9.7	4
49	NAD+ Regeneration Rescues Lifespan, but Not Ataxia, in a Mouse Model of Brain Mitochondrial Complex I Dysfunction. Cell Metabolism, 2020, 32, 301-308.e6.	16.2	72
50	Cellular adaptation to hypoxia through hypoxia inducible factors and beyond. Nature Reviews Molecular Cell Biology, 2020, 21, 268-283.	37.0	595
51	Mitochondrial ubiquinol oxidation is necessary for tumour growth. Nature, 2020, 585, 288-292.	27.8	205
52	Elevated CO2 Levels Delay Skeletal Muscle Repair by Increasing Fatty Acid Oxidation. Frontiers in Physiology, 2020, 11, 630910.	2.8	11
53	We need to talk about the Warburg effect. Nature Metabolism, 2020, 2, 127-129.	11.9	476
54	Residual endotoxin induces primary graft dysfunction through ischemia-reperfusion-primed alveolar macrophages. Journal of Clinical Investigation, 2020, 130, 4456-4469.	8.2	13

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55	Î²-Catenin/Tcf7l2â€“dependent transcriptional regulation of GLUT1 gene expression by Zic family proteins in colon cancer. Science Advances, 2019, 5, eaax0698.	10.3	28
56	Glucose Metabolism Linked to Antiviral Responses. Cell, 2019, 178, 10-11.	28.9	9
57	Requirement of Mitochondrial Transcription Factor A in Tissue-Resident Regulatory T Cell Maintenance and Function. Cell Reports, 2019, 28, 159-171.e4.	6.4	51
58	Essentiality of fatty acid synthase in the 2D to anchorage-independent growth transition in transforming cells. Nature Communications, 2019, 10, 5011.	12.8	43
59	Mitochondrial stress causes neuronal dysfunction via an ATF4-dependent increase in L-2-hydroxyglutarate. Journal of Cell Biology, 2019, 218, 4007-4016.	5.2	38
60	Suppressing Mitochondrial Respiration Is Critical for Hypoxia Tolerance in the Fetal Growth Plate. Developmental Cell, 2019, 49, 748-763.e7.	7.0	41
61	NAD-biosynthetic pathways regulate innate immunity. Nature Immunology, 2019, 20, 380-382.	14.5	20
62	HIF-1Î± Is a Metabolic Switch between Glycolytic-Driven Migration and Oxidative Phosphorylation-Driven Immunosuppression of Tregs in Glioblastoma. Cell Reports, 2019, 27, 226-237.e4.	6.4	197
63	Serine Metabolism Supports Macrophage IL-1Î² Production. Cell Metabolism, 2019, 29, 1003-1011.e4.	16.2	192
64	Probing mitochondrial metabolism in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20-22.	7.1	14
65	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
66	IDH3Î± regulates one-carbon metabolism in glioblastoma. Science Advances, 2019, 5, eaat0456.	10.3	59
67	Mitochondrial complex III is necessary for endothelial cell proliferation during angiogenesis. Nature Metabolism, 2019, 1, 158-171.	11.9	141
68	Hepatic HKDC1 Expression Contributes to Liver Metabolism. Endocrinology, 2019, 160, 313-330.	2.8	40
69	The mitochondrial retrograde signaling regulates Wnt signaling to promote tumorigenesis in colon cancer. Cell Death and Differentiation, 2019, 26, 1955-1969.	11.2	60
70	Mitochondrial complex III is essential for suppressive function of regulatory T cells. Nature, 2019, 565, 495-499.	27.8	323
71	There Is No Smoke without Mitochondria. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 489-491.	2.9	5
72	Metformin Targets Mitochondrial Electron Transport to Reduce Air-Pollution-Induced Thrombosis. Cell Metabolism, 2019, 29, 335-347.e5.	16.2	75

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73	Immunometabolism of pro-repair cells. Journal of Clinical Investigation, 2019, 129, 2597-2607.	8.2	30
74	Mitochondrial acetyl-CoA reversibly regulates locus-specific histone acetylation and gene expression. Life Science Alliance, 2019, 2, e201800228.	2.8	35
75	Acetyl-CoA-directed gene transcription in cancer cells. Genes and Development, 2018, 32, 463-465.	5.9	23
76	Mitochondrial Complex I Inhibitors Expose a Vulnerability for Selective Killing of Pten-Null Cells. Cell Reports, 2018, 23, 58-67.	6.4	73
77	E2F1 Suppresses Oxidative Metabolism and Endothelial Differentiation of Bone Marrow Progenitor Cells. Circulation Research, 2018, 122, 701-711.	4.5	23
78	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
79	Regulation of redox balance in cancer and T cells. Journal of Biological Chemistry, 2018, 293, 7499-7507.	3.4	127
80	Mitochondria: back to the future. Nature Reviews Molecular Cell Biology, 2018, 19, 76-76.	37.0	21
81	To Claim Growth Turf, mTOR Says SOD Off. Molecular Cell, 2018, 70, 383-384.	9.7	8
82	Mitochondria-ER Pas de Deux Controls Memory T Cell Function. Immunity, 2018, 48, 479-481.	14.3	1
83	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
84	Hexokinase 2 is dispensable for T cell-dependent immunity. Cancer & Metabolism, 2018, 6, 10.	5.0	33
85	ER-associated ubiquitin ligase HRD1 programs liver metabolism by targeting multiple metabolic enzymes. Nature Communications, 2018, 9, 3659.	12.8	42
86	ROS Promotes Cancer Cell Survival through Calcium Signaling. Cancer Cell, 2018, 33, 949-951.	16.8	98
87	Mitochondrial nicotinamide adenine dinucleotide reduced (NADH) oxidation links the tricarboxylic acid (TCA) cycle with methionine metabolism and nuclear DNA methylation. PLoS Biology, 2018, 16, e2005707.	5.6	77
88	Metabolism and Skeletal Muscle Homeostasis in Lung Disease. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 28-34.	2.9	18
89	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1492-1500.	3.6	55
90	Regulation of mitochondrial biogenesis in erythropoiesis by mTORC1-mediated proteinÂtranslation. Nature Cell Biology, 2017, 19, 626-638.	10.3	126

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91	The mitochondrial respiratory chain is essential for haematopoietic stem cell function. Nature Cell Biology, 2017, 19, 614-625.	10.3	244
92	Beneficial Effects of Myo-Inositol Oxygenase Deficiency in Cisplatin-Induced AKI. Journal of the American Society of Nephrology: JASN, 2017, 28, 1421-1436.	6.1	48
93	Cancer-Associated IDH1 Promotes Growth and Resistance to Targeted Therapies in the Absence of Mutation. Cell Reports, 2017, 19, 1858-1873.	6.4	164
94	Mitochondria control acute and chronic responses to hypoxia. Experimental Cell Research, 2017, 356, 217-222.	2.6	69
95	Reactive oxygen species as signaling molecules in the development of lung fibrosis. Translational Research, 2017, 190, 61-68.	5.0	67
96	A CRISPR screen identifies a pathway required for paraquat-induced cell death. Nature Chemical Biology, 2017, 13, 1274-1279.	8.0	138
97	Mitochondrial redox signaling enables repair of injured skeletal muscle cells. Science Signaling, 2017, 10, .	3.6	112
98	Monocyte-derived alveolar macrophages drive lung fibrosis and persist in the lung over the life span. Journal of Experimental Medicine, 2017, 214, 2387-2404.	8.5	755
99	Waste Not, Want Not: Lactate Oxidation Fuels the TCA Cycle. Cell Metabolism, 2017, 26, 803-804.	16.2	44
100	Mitochondrial control of immunity: beyond ATP. Nature Reviews Immunology, 2017, 17, 608-620.	22.7	306
101	The Two Faces of Reactive Oxygen Species in Cancer. Annual Review of Cancer Biology, 2017, 1, 79-98.	4.5	395
102	Disease Specific Signatures Identified by RNAâ€seq of Sorted Lung Cellular Populations. FASEB Journal, 2017, 31, 656.4.	0.5	0
103	HSC Fate Is Tethered to Mitochondria. Cell Stem Cell, 2016, 18, 303-304.	11.1	8
104	Intermediate filament aggregates cause mitochondrial dysmotility and increase energy demands in giant axonal neuropathy. Human Molecular Genetics, 2016, 25, 2143-2157.	2.9	44
105	Are Metformin Doses Used in Murine Cancer Models Clinically Relevant?. Cell Metabolism, 2016, 23, 569-570.	16.2	140
106	Mitochondrial ROS regulation of proliferating cells. Free Radical Biology and Medicine, 2016, 100, 86-93.	2.9	316
107	The Mitochondrial Respiratory Chain Is Required for Organismal Adaptation to Hypoxia. Cell Reports, 2016, 15, 451-459.	6.4	45
108	Label-free imaging of the native, living cellular nanoarchitecture using partial-wave spectroscopic microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6372-E6381.	7.1	56

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109	Metabolic regulation of stem cell function in tissue homeostasis and organismal ageing. Nature Cell Biology, 2016, 18, 823-832.	10.3	238
110	Mitochondrial catalase overexpressed transgenic mice are protected against lung fibrosis in part via preventing alveolar epithelial cell mitochondrial DNA damage. Free Radical Biology and Medicine, 2016, 101, 482-490.	2.9	68
111	Transforming Growth Factor (TGF)-Î² Promotes de Novo Serine Synthesis for Collagen Production. Journal of Biological Chemistry, 2016, 291, 27239-27251.	3.4	102
112	Fundamentals of cancer metabolism. Science Advances, 2016, 2, e1600200.	10.3	2,039
113	Targeting Tumor Mitochondrial Metabolism Overcomes Resistance to Antiangiogenics. Cell Reports, 2016, 15, 2705-2718.	6.4	78
114	TCA Cycle and Mitochondrial Membrane Potential Are Necessary for Diverse Biological Functions. Molecular Cell, 2016, 61, 199-209.	9.7	396
115	Mitochondria Coordinate Intracellular Metabolism and Epigenetic Gene Regulation during Erythropoiesis. Blood, 2016, 128, 1038-1038.	1.4	0
116	Blue Journal Conference. Aging and Susceptibility to Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 261-269.	5.6	149
117	Targeting metabolism for lupus therapy. Science Translational Medicine, 2015, 7, 274fs5.	12.4	13
118	Revisiting vitamin C and cancer. Science, 2015, 350, 1317-1318.	12.6	51
119	Evolution of Mitochondria as Signaling Organelles. Cell Metabolism, 2015, 22, 204-206.	16.2	395
120	Mitochondria in the Regulation of Innate and Adaptive Immunity. Immunity, 2015, 42, 406-417.	14.3	693
121	The kinase Jnk2 promotes stress-induced mitophagy by targeting the small mitochondrial form of the tumor suppressor ARF for degradation. Nature Immunology, 2015, 16, 458-466.	14.5	60
122	Targeting mitochondria metabolism for cancer therapy. Nature Chemical Biology, 2015, 11, 9-15.	8.0	1,107
123	ROS-dependent signal transduction. Current Opinion in Cell Biology, 2015, 33, 8-13.	5.4	678
124	Metformin inhibits mitochondrial complex I of cancer cells to reduce tumorigenesis. ELife, 2014, 3, e02242.	6.0	851
125	Mitochondrial One-Carbon Metabolism Maintains Redox Balance during Hypoxia. Cancer Discovery, 2014, 4, 1371-1373.	9.4	51
126	Mitochondrial metabolism in TCA cycle mutant cancer cells. Cell Cycle, 2014, 13, 347-348.	2.6	12

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127	Death Induced by CD95 or CD95 Ligand Elimination. Cell Reports, 2014, 7, 208-222.	6.4	66
128	TOR Signaling Couples Oxygen Sensing to Lifespan in C.Âelegans. Cell Reports, 2014, 9, 9-15.	6.4	74
129	Reply: Antioxidants in the Intensive Care Unit. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1008-1008.	5.6	0
130	HOIL-1L Functions as the PKCÎ¶ Ubiquitin Ligase to Promote Lung Tumor Growth. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 688-698.	5.6	34
131	Futility Sustains Memory T Cells. Immunity, 2014, 41, 1-3.	14.3	22
132	Targeting antioxidants for cancer therapy. Biochemical Pharmacology, 2014, 92, 90-101.	4.4	370
133	Intratracheal administration of influenza virus is superior to intranasal administration as a model of acute lung injury. Journal of Virological Methods, 2014, 209, 116-120.	2.1	26
134	Mitochondria and cancer. Cancer & Metabolism, 2014, 2, 8.	5.0	32
135	The Promise and Perils of Antioxidants for Cancer Patients. New England Journal of Medicine, 2014, 371, 177-178.	27.0	169
136	ROS Function in Redox Signaling and Oxidative Stress. Current Biology, 2014, 24, R453-R462.	3.9	4,622
137	Oxidation of Alpha-Ketoglutarate Is Required for Reductive Carboxylation in Cancer Cells with Mitochondrial Defects. Cell Reports, 2014, 7, 1679-1690.	6.4	281
138	Mitochondrial reactive oxygen species and cancer. Cancer & Metabolism, 2014, 2, 17.	5.0	574
139	Mitochondria as signaling organelles. BMC Biology, 2014, 12, 34.	3.8	413
140	Targeting SOD1 reduces experimental nonâ€“small-cell lung cancer. Journal of Clinical Investigation, 2014, 124, 117-128.	8.2	172
141	Î²2-Adrenergic agonists augment air pollutionâ€“induced IL-6 release and thrombosis. Journal of Clinical Investigation, 2014, 124, 2935-2946.	8.2	106
142	Hexokinase 2 Is Required for Tumor Initiation and Maintenance and Its Systemic Deletion Is Therapeutic in Mouse Models of Cancer. Cancer Cell, 2013, 24, 213-228.	16.8	678
143	Asbestos-Induced Alveolar Epithelial Cell Apoptosis. The Role of Endoplasmic Reticulum Stress Response. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 892-901.	2.9	61
144	Metabolic changes in cancer cells upon suppression of MYC. Cancer & Metabolism, 2013, 1, 7.	5.0	54

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145	Circadian Clock NAD ⁺ Cycle Drives Mitochondrial Oxidative Metabolism in Mice. Science, 2013, 342, 1243417.	12.6	525
146	Mitochondrial Reactive Oxygen Species Regulate Transforming Growth Factor-Î² Signaling. Journal of Biological Chemistry, 2013, 288, 770-777.	3.4	307
147	Mitochondria Are Required for Antigen-Specific T Cell Activation through Reactive Oxygen Species Signaling. Immunity, 2013, 38, 225-236.	14.3	981
148	ROS Links Glucose Metabolism to Breast Cancer Stem Cell and EMT Phenotype. Cancer Cell, 2013, 23, 265-267.	16.8	114
149	ROS. Current Biology, 2013, 23, R100-R102.	3.9	71
150	The Proto-oncometabolite Fumarate Binds Glutathione to Amplify ROS-Dependent Signaling. Molecular Cell, 2013, 51, 236-248.	9.7	244
151	Rethinking Antioxidants in the Intensive Care Unit. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1283-1285.	5.6	28
152	Matrix Metalloproteinase (MMP)-1 Induces Lung Alveolar Epithelial Cell Migration and Proliferation, Protects from Apoptosis, and Represses Mitochondrial Oxygen Consumption. Journal of Biological Chemistry, 2013, 288, 25964-25975.	3.4	94
153	Mitochondrial Reactive Oxygen Species Promote Epidermal Differentiation and Hair Follicle Development. Science Signaling, 2013, 6, ra8.	3.6	276
154	The Good and the Bad of Antibiotics. Science Translational Medicine, 2013, 5, 192fs25.	12.4	12
155	Mitochondrial metabolism as a regulator of keratinocyte differentiation. Cellular Logistics, 2013, 3, e25456.	0.9	42
156	MicroRNAâ€31 targets FIHâ€1 to positively regulate corneal epithelial glycogen metabolism. FASEB Journal, 2012, 26, 3140-3147.	0.5	53
157	microRNA-31/factor-inhibiting hypoxia-inducible factor 1 nexus regulates keratinocyte differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14030-14034.	7.1	102
158	Proteasomal inhibition after injury prevents fibrosis by modulating TGF-Î²₁signalling. Thorax, 2012, 67, 139-146.	5.6	77
159	Mitochondria and Telomeres: The Promiscuous Roles of TIN2. Molecular Cell, 2012, 47, 823-824.	9.7	12
160	Mitochondrial Genome Instability and ROS Enhance Intestinal Tumorigenesis in APC Mice. American Journal of Pathology, 2012, 180, 24-31.	3.8	123
161	Physiological Roles of Mitochondrial Reactive Oxygen Species. Molecular Cell, 2012, 48, 158-167.	9.7	2,067
162	Reductive carboxylation supports growth in tumour cells with defective mitochondria. Nature, 2012, 481, 385-388.	27.8	1,074

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163	Alcohol Worsens Acute Lung Injury by Inhibiting Alveolar Sodium Transport through the Adenosine A1 Receptor. PLoS ONE, 2012, 7, e30448.	2.5	15
164	AMPK regulates NADPH homeostasis to promote tumour cell survival during energy stress. Nature, 2012, 485, 661-665.	27.8	934
165	Targeting glucose metabolism for cancer therapy. Journal of Experimental Medicine, 2012, 209, 211-215.	8.5	333
166	Mitochondrial Complex III ROS Regulate Adipocyte Differentiation. Cell Metabolism, 2011, 14, 537-544.	16.2	550
167	Seeing the Light: Probing ROS InÂVivo Using Redox GFP. Cell Metabolism, 2011, 14, 720-721.	16.2	6
168	Hypoxia. 2. Hypoxia regulates cellular metabolism. American Journal of Physiology - Cell Physiology, 2011, 300, C385-C393.	4.6	324
169	NF-ÎºB controls energy homeostasis and metabolic adaptation by upregulating mitochondrial respiration. Nature Cell Biology, 2011, 13, 1272-1279.	10.3	306
170	Minimizing Oxidation and Stable Nanoscale Dispersion Improves the Biocompatibility of Graphene in the Lung. Nano Letters, 2011, 11, 5201-5207.	9.1	480
171	Leptin Promotes Fibroproliferative Acute Respiratory Distress Syndrome by Inhibiting Peroxisome Proliferatorâ€“activated Receptor-Î³. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1490-1498.	5.6	91
172	Hypoxia Leads to Na,K-ATPase Downregulation via Ca²⁺ Release-Activated Ca²⁺ Channels and AMPK Activation. Molecular and Cellular Biology, 2011, 31, 3546-3556.	2.3	127
173	Warburg Effect and Redox Balance. Science, 2011, 334, 1219-1220.	12.6	122
174	The role of nuclear lamin B1 in cell proliferation and senescence. Genes and Development, 2011, 25, 2579-2593.	5.9	417
175	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
176	Elevated CO2 Levels Cause Mitochondrial Dysfunction and Impair Cell Proliferation. Journal of Biological Chemistry, 2011, 286, 37067-37076.	3.4	145
177	Mitochondrial complex III: An essential component of universal oxygen sensing machinery?. Respiratory Physiology and Neurobiology, 2010, 174, 175-181.	1.6	49
178	Mitochondrial reactive oxygen species regulate cellular signaling and dictate biological outcomes. Trends in Biochemical Sciences, 2010, 35, 505-513.	7.5	794
179	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
180	Interâ€connection between mitochondria and HIFs. Journal of Cellular and Molecular Medicine, 2010, 14, 795-804.	3.6	64

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181	Mitochondrial reactive oxygen species are required for hypoxiaâ€induced degradation of keratin intermediate filaments. FASEB Journal, 2010, 24, 799-809.	0.5	39
182	Mitochondrial metabolism and ROS generation are essential for Kras-mediated tumorigenicity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8788-8793.	7.1	1,402
183	Mitochondrial Regulation of Oxygen Sensing. Advances in Experimental Medicine and Biology, 2010, 661, 339-354.	1.6	79
184	Hyperoxiaâ€induced premature senescence requires p53 and pRb, but not mitochondrial matrix ROS. FASEB Journal, 2009, 23, 783-794.	0.5	57
185	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
186	Î±1-AMP-Activated Protein Kinase Regulates Hypoxia-Induced Na,K-ATPase Endocytosis via Direct Phosphorylation of Protein Kinase Cî¶. Molecular and Cellular Biology, 2009, 29, 3455-3464.	2.3	107
187	Proapoptotic Noxa is required for particulate matterâ€induced cell death and lung inflammation. FASEB Journal, 2009, 23, 2055-2064.	0.5	36
188	Hypoxic activation of AMPK is dependent on mitochondrial ROS but independent of an increase in AMP/ATP ratio. Free Radical Biology and Medicine, 2009, 46, 1386-1391.	2.9	269
189	Mitochondrial reactive oxygen species regulate hypoxic signaling. Current Opinion in Cell Biology, 2009, 21, 894-899.	5.4	267
190	Reactive oxygen species-dependent signaling regulates cancer. Cellular and Molecular Life Sciences, 2009, 66, 3663-3673.	5.4	241
191	Mitochondrial Metabolism and Cancer. Annals of the New York Academy of Sciences, 2009, 1177, 66-73.	3.8	138
192	Mitochondrial Regulation of Cell Survival and Death During Low-Oxygen Conditions. Antioxidants and Redox Signaling, 2009, 11, 2673-2683.	5.4	51
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