Maik HÃ¼ttemann

List of Publications by Year
in descending order

122	8,290	46984 47	49868 87
papers	citations	h-index	g-index

127	127	127	11508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metformin, phenformin, and galegine inhibit complex IV activity and reduce glycerol-derived gluconeogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122287119.	3.3	37
2	Arsenic Activates the ER Stress-Associated Unfolded Protein Response via the Activating Transcription Factor 6 in Human Bronchial Epithelial Cells. Biomedicines, 2022, 10, 967.	1.4	3
3	Cytochrome c oxidaseâ€modulatory nearâ€infrared light penetration into the human brain: Implications for the noninvasive treatment of ischemia/reperfusion injury. IUBMB Life, 2021, 73, 554-567.	1.5	6
4	Regulation of COX Assembly and Function by Twin CX9C Proteinsâ€”Implications for Human Disease. Cells, 2021, 10, 197.	1.8	10
5	Inhibiting Mitochondrial Cytochrome c Oxidase Downregulates Gene Transcription After Traumatic Brain Injury in Drosophila. Frontiers in Physiology, 2021, 12, 628777.	1.3	10
6	Dopamine D5 receptor-mediated decreases in mitochondrial reactive oxygen species production are cAMP and autophagy dependent. Hypertension Research, 2021, 44, 628-641.	1.5	13
7	Lysine 53 Acetylation of Cytochrome c in Prostate Cancer: Warburg Metabolism and Evasion of Apoptosis. Cells, 2021, 10, 802.	1.8	17
8	Mitochondrial respiration is controlled by Allostery, Subunit Composition and Phosphorylation Sites of Cytochrome c Oxidase: A trailblazerâ€™s tale â€“ Bernhard Kadenbach. Mitochondrion, 2021, 60, 228-233.	1.6	6
9	Valproate activates the Snf1 kinase in Saccharomyces cerevisiae by decreasing the cytosolic pH. Journal of Biological Chemistry, 2021, 297, 101110.	1.6	7
10	A Novel Isoflavone, ME-344, Enhances Venetoclax Antileukemic Activity Against AML Via Suppression of Oxidative Phosphorylation and Purine Biosynthesis. Blood, 2021, 138, 2238-2238.	0.6	0
11	Non-invasive treatment with near-infrared light: A novel mechanisms-based strategy that evokes sustained reduction in brain injury after stroke. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 833-844.	2.4	21
12	Decreased membrane cholesterol in liver mitochondria of the point mutation mouse model of juvenile Niemannâ€“Pick C1, Npc1. Mitochondrion, 2020, 51, 15-21.	1.6	4
13	Targeting mitochondrial respiration for the treatment of acute myeloid leukemia. Biochemical Pharmacology, 2020, 182, 114253.	2.0	29
14	Cardiolipin-deficient cells have decreased levels of the ironâ€“sulfur biogenesis protein frataxin. Journal of Biological Chemistry, 2020, 295, 11928-11937.	1.6	19
15	Brain-Specific Serine-47 Modification of Cytochrome c Regulates Cytochrome c Oxidase Activity Attenuating ROS Production and Cell Death: Implications for Ischemia/Reperfusion Injury and Akt Signaling. Cells, 2020, 9, 1843.	1.8	15
16	Valproate inhibits mitochondrial bioenergetics and increases glycolysis in Saccharomyces cerevisiae. Scientific Reports, 2020, 10, 11785.	1.6	14
17	Cotargeting of Mitochondrial Complex I and Bcl-2 Shows Antileukemic Activity against Acute Myeloid Leukemia Cells Reliant on Oxidative Phosphorylation. Cancers, 2020, 12, 2400.	1.7	26
18	Targeting multiple signaling pathways: the new approach to acute myeloid leukemia therapy. Signal Transduction and Targeted Therapy, 2020, 5, 288.	7.1	98

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19	Acute O ₂ sensing through HIF2Î±-dependent expression of atypical cytochrome oxidase subunits in arterial chemoreceptors. Science Signaling, 2020, 13, .	1.6	60
20	Cytochrome c phosphorylation: Control of mitochondrial electron transport chain flux and apoptosis. International Journal of Biochemistry and Cell Biology, 2020, 121, 105704.	1.2	90
21	Cellular Pharmacodynamics of a Novel Pyrrolo[3,2-d]pyrimidine Inhibitor Targeting Mitochondrial and Cytosolic One-Carbon Metabolism. Molecular Pharmacology, 2020, 97, 9-22.	1.0	21
22	Novel Pyrrolo[3,2-d]pyrimidine Compounds Target Mitochondrial and Cytosolic One-carbon Metabolism with Broad-spectrum Antitumor Efficacy. Molecular Cancer Therapeutics, 2019, 18, 1787-1799.	1.9	38
23	EGFL9 promotes breast cancer metastasis by inducing cMET activation and metabolic reprogramming. Nature Communications, 2019, 10, 5033.	5.8	42
24	Regulation of Respiration and Apoptosis by Cytochrome c Threonine 58 Phosphorylation. Scientific Reports, 2019, 9, 15815.	1.6	39
25	Serineâ€47 phosphorylation of cytochrome c in the mammalian brain regulates cytochrome c oxidase and caspaseâ€3 activity. FASEB Journal, 2019, 33, 13503-13514.	0.2	26
26	Norethindrone is superior to combined oral contraceptive pills in short-term delay of menses and onset of breakthrough bleeding: a randomized trial. BMC Women's Health, 2019, 19, 70.	0.8	9
27	Cardiolipin-deficient cells depend on anaplerotic pathways to ameliorate defective TCA cycle function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 654-661.	1.2	14
28	Letter by HÃ¼ttemann et al Regarding Article, â€œNdufs2, a Core Subunit of Mitochondrial Complex I, Is Essential for Acute Oxygen-Sensing and Hypoxic Pulmonary Vasoconstrictionâ€• Circulation Research, 2019, 125, e33-e34.	2.0	0
29	Tissueâ€specific regulation of cytochrome c by postâ€translational modifications: respiration, the mitochondrial membrane potential, ROS, and apoptosis. FASEB Journal, 2019, 33, 1540-1553.	0.2	159
30	Inhibitory modulation of cytochrome c oxidase activity with specific near-infrared light wavelengths attenuates brain ischemia/reperfusion injury. Scientific Reports, 2018, 8, 3481.	1.6	62
31	Aerobic Exercise Preconception and During Pregnancy Enhances Oxidative Capacity in the Hindlimb Muscles of Mice Offspring. Journal of Strength and Conditioning Research, 2018, 32, 1391-1403.	1.0	8
32	Loss of tafazzin results in decreased myoblast differentiation in C2C12 cells: A myoblast model of Barth syndrome and cardiolipin deficiency. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 857-865.	1.2	32
33	The cellular stress proteins CHCHD10 and MNRR1 (CHCHD2): Partners in mitochondrial and nuclear function and dysfunction. Journal of Biological Chemistry, 2018, 293, 6517-6529.	1.6	43
34	Mitochondrial Structure, Function, and Dynamics: The Common Thread across Organs, Disease, and Aging. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-2.	1.9	5
35	Insertion of proteolipid protein into mitochondria but not DM20 regulates metabolism of cells. Neuroscience Letters, 2018, 678, 90-98.	1.0	3
36	Antisense techniques provide robust decrease in GnRH receptor expression with minimal cytotoxicity in GT1-7 cells. Systems Biology in Reproductive Medicine, 2018, 64, 389-398.	1.0	2

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37	Why AMPK agonists not known to be stressors may surprisingly contribute to miscarriage or hinder IVF/ART. Journal of Assisted Reproduction and Genetics, 2018, 35, 1359-1366.	1.2	9
38	Metformin, the aspirin of the 21st century: itsÂrole in gestational diabetes mellitus, prevention of preeclampsia and cancer, andÂthe promotion of longevity. American Journal of Obstetrics and Gynecology, 2017, 217, 282-302.	0.7	183
39	Mitochondrial Complex IV Subunit 4 Isoform 2 Is Essential for Acute Pulmonary Oxygen Sensing. Circulation Research, 2017, 121, 424-438.	2.0	90
40	Abl2 kinase phosphorylates Bi-organellar regulator MNRR1 in mitochondria, stimulating respiration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 440-448.	1.9	27
41	Lipidomics Characterization of Biosynthetic and Remodeling Pathways of Cardiolipins in Genetically and Nutritionally Manipulated Yeast Cells. ACS Chemical Biology, 2017, 12, 265-281.	1.6	25
42	MiR-27b augments bone marrow progenitor cell survival via suppressing the mitochondrial apoptotic pathway in Type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E391-E401.	1.8	25
43	Phosphorylation of Cytochrome c Threonine 28 Regulates Electron Transport Chain Activity in Kidney. Journal of Biological Chemistry, 2017, 292, 64-79.	1.6	55
44	Smooth, an hnRNP-L Homolog, Might Decrease Mitochondrial Metabolism by Post-Transcriptional Regulation of Isocitrate Dehydrogenase (Idh) and Other Metabolic Genes in the Sub-Acute Phase of Traumatic Brain Injury. Frontiers in Genetics, 2017, 8, 175.	1.1	27
45	Tissue- and Condition-Specific Isoforms of Mammalian CytochromecOxidase Subunits: From Function to Human Disease. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-19.	1.9	86
46	MNRR1, a Biorganellar Regulator of Mitochondria. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	1.9	23
47	HPV-associated differential regulation of tumor metabolism in oropharyngeal head and neck cancer. Oncotarget, 2017, 8, 51530-51541.	0.8	40
48	(â^')-Epicatechin Attenuates Degradation of Mouse Oxidative Muscle Following Hindlimb Suspension. Journal of Strength and Conditioning Research, 2016, 30, 1-10.	1.0	12
49	COX7AR is a Stress-inducible Mitochondrial COX Subunit that Promotes Breast Cancer Malignancy. Scientific Reports, 2016, 6, 31742.	1.6	29
50	Bone marrow adipocytes promote the Warburg phenotype in metastatic prostate tumorsviaHIF-1Î± activation. Oncotarget, 2016, 7, 64854-64877.	0.8	87
51	The brown and brite adipocyte marker Cox7a1 is not required for non-shivering thermogenesis in mice. Scientific Reports, 2015, 5, 17704.	1.6	31
52	Molecular Mechanisms and Therapeutic Effects of (â^')-Epicatechin and Other Polyphenols in Cancer, Inflammation, Diabetes, and Neurodegeneration. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-13.	1.9	189
53	(â€“)â€“Epicatechin combined with 8 weeks of treadmill exercise is associated with increased angiogenic and mitochondrial signaling in mice. Frontiers in Pharmacology, 2015, 6, 43.	1.6	22
54	The subunit composition and function of mammalian cytochrome c oxidase. Mitochondrion, 2015, 24, 64-76.	1.6	178

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55	Inhibition of N-Methyl-d-aspartate-induced Retinal Neuronal Death by Polyarginine Peptides Is Linked to the Attenuation of Stress-induced Hyperpolarization of the Inner Mitochondrial Membrane Potential. Journal of Biological Chemistry, 2015, 290, 22030-22048.	1.6	51
56	MNRR1 (formerly CHCHD2) is a bi-organellar regulator of mitochondrial metabolism. Mitochondrion, 2015, 20, 43-51.	1.6	132
57	Cox4i2, Ifit2, and Prdm11 Mutant Mice: Effective Selection of Genes Predisposing to an Altered Airway Inflammatory Response from a Large Compendium of Mutant Mouse Lines. PLoS ONE, 2015, 10, e0134503.	1.1	5
58	ÂRole of Cytochrome c Phosphorylation in Regulation of Respiration and Apoptosis. FASEB Journal, 2015, 29, 725.3.	0.2	2
59	Epicatechin Stimulates Mitochondrial Activity and Selectively Sensitizes Cancer Cells to Radiation. PLoS ONE, 2014, 9, e88322.	1.1	40
60	Deletion of the Cardiolipin-specific Phospholipase Cld1 Rescues Growth and Life Span Defects in the Tafazzin Mutant. Journal of Biological Chemistry, 2014, 289, 3114-3125.	1.6	55
61	Hypoxic stress induces, but cannot sustain trophoblast stem cell differentiation to labyrinthine placenta due to mitochondrial insufficiency. Stem Cell Research, 2014, 13, 478-491.	0.3	42
62	Mitochondrial DNA Variant in COX1 Subunit Significantly Alters Energy Metabolism of Geographically Divergent Wild Isolates in Caenorhabditis elegans. Journal of Molecular Biology, 2014, 426, 2199-2216.	2.0	49
63	Clinical Benefits of Remote Ischemic Preconditioning. Circulation Research, 2014, 114, 748-750.	2.0	3
64	Increased mitochondrial activity in renal proximal tubule cells from young spontaneously hypertensive rats. Kidney International, 2014, 85, 561-569.	2.6	42
65	Insertion of proteolipid protein into oligodendrocyte mitochondria regulates extracellular pH and adenosine triphosphate. Glia, 2014, 62, 356-373.	2.5	17
66	Energy crisis: The role of oxidative phosphorylation in acute inflammation and sepsis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1579-1586.	1.8	122
67	Exposure to ambient particulate matter induces a NASH-like phenotype and impairs hepatic glucose metabolism in an animal model. Journal of Hepatology, 2013, 58, 148-154.	1.8	241
68	Similar skeletal muscle angiogenic and mitochondrial signalling following 8 weeks of endurance exercise in mice: discontinuous versus continuous training. Experimental Physiology, 2013, 98, 807-818.	0.9	19
69	Neuroprotection conferred by postâ€ischemia ethanol therapy in experimental stroke: an inhibitory effect on hyperglycolysis and <scp>NADPH</scp> oxidase activation. Journal of Neurochemistry, 2013, 126, 113-121.	2.1	47
70	Molecular Mechanisms of Ischemiaâ€“Reperfusion Injury in Brain: Pivotal Role of the Mitochondrial Membrane Potential in Reactive Oxygen Species Generation. Molecular Neurobiology, 2013, 47, 9-23.	1.9	511
71	(â€“)-Epicatechin is associated with increased angiogenic and mitochondrial signalling in the hindlimb of rats selectively bred for innate low running capacity. Clinical Science, 2013, 124, 663-674.	1.8	36
72	Oxygen-dependent expression of cytochrome c oxidase subunit 4-2 gene expression is mediated by transcription factors RBPJ, CXXC5 and CHCHD2. Nucleic Acids Research, 2013, 41, 2255-2266.	6.5	146

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73	Synergetic Neuroprotection of Normobaric Oxygenation and Ethanol in Ischemic Stroke Through Improved Oxidative Mechanism. Stroke, 2013, 44, 1418-1425.	1.0	41
74	Cytochrome c Is Tyrosine 97 Phosphorylated by Neuroprotective Insulin Treatment. PLoS ONE, 2013, 8, e78627.	1.1	47
75	TXNIP Links Innate Host Defense Mechanisms to Oxidative Stress and Inflammation in Retinal Muller Glia under Chronic Hyperglycemia: Implications for Diabetic Retinopathy. Experimental Diabetes Research, 2012, 2012, 1-19.	3.8	171
76	TLR4-Mediated AKT Activation Is MyD88/TRIF Dependent and Critical for Induction of Oxidative Phosphorylation and Mitochondrial Transcription Factor A in Murine Macrophages. Journal of Immunology, 2012, 188, 2847-2857.	0.4	107
77	Cytochromecoxidase subunit 4 isoform 2â€knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. FASEB Journal, 2012, 26, 3916-3930.	0.2	62
78	Discovering the Phosphoproteome of the Hydrophobic Cytochrome c Oxidase Membrane Protein Complex. Methods in Molecular Biology, 2012, 893, 345-358.	0.4	9
79	Deletion of heartâ€type cytochrome c oxidase subunit 7a1 impairs skeletal muscle angiogenesis and oxidative phosphorylation. Journal of Physiology, 2012, 590, 5231-5243.	1.3	30
80	(â€)â€Epicatechin maintains endurance training adaptation in mice after 14 days of detraining. FASEB Journal, 2012, 26, 1413-1422.	0.2	33
81	Mice deleted for heart-type cytochrome c oxidase subunit 7a1 develop dilated cardiomyopathy. Mitochondrion, 2012, 12, 294-304.	1.6	37
82	Multiple phosphorylations of cytochrome c oxidase and their functions. Proteomics, 2012, 12, 950-959.	1.3	67
83	Cardiolipin and Mitochondrial Phosphatidylethanolamine Have Overlapping Functions in Mitochondrial Fusion in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2012, 287, 17589-17597.	1.6	165
84	Evolution of the Couple Cytochrome c and Cytochrome c Oxidase in Primates. Advances in Experimental Medicine and Biology, 2012, 748, 185-213.	0.8	22
85	Phosphorylation of Mammalian Cytochrome c and Cytochrome c Oxidase in the Regulation of Cell Destiny: Respiration, Apoptosis, and Human Disease. Advances in Experimental Medicine and Biology, 2012, 748, 237-264.	0.8	94
86	Regulation of mitochondrial respiration and apoptosis through cell signaling: Cytochrome c oxidase and cytochrome c in ischemia/reperfusion injury and inflammation. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 598-609.	0.5	226
87	Cytochrome c oxidase: Evolution of control via nuclear subunit addition. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 590-597.	0.5	86
88	The multiple functions of cytochrome c and their regulation in life and death decisions of the mammalian cell: From respiration to apoptosis. Mitochondrion, 2011, 11, 369-381.	1.6	420
89	Loss of the SIN3 transcriptional corepressor results in aberrant mitochondrial function. BMC Biochemistry, 2010, 11, 26.	4.4	23
90	Phosphomimetic Substitution of CytochromecTyrosine 48 Decreases Respiration and Binding to Cardiolipin and Abolishes Ability to Trigger Downstream Caspase Activation. Biochemistry, 2010, 49, 6705-6714.	1.2	77

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91	A suggested role for mitochondria in Noonan syndrome. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 275-283.	1.8	47
92	Theophylline treatment improves mitochondrial function after upper cervical spinal cord hemisection. Experimental Neurology, 2010, 223, 523-528.	2.0	11
93	Epidermal Growth Factor Receptor Translocation to the Mitochondria. Journal of Biological Chemistry, 2009, 284, 36592-36604.	1.6	145
94	Different Proteolipid Protein Mutants Exhibit Unique Metabolic Defects. ASN Neuro, 2009, 1, AN20090028.	1.5	22
95	Chapter 11 Isolation of Regulatoryâ€Competent, Phosphorylated Cytochrome c Oxidase. Methods in Enzymology, 2009, 457, 193-210.	0.4	41
96	Mitochondrial dysfunction in a neural cell model of spinal muscular atrophy. Journal of Neuroscience Research, 2009, 87, 2748-2756.	1.3	87
97	STAT3 tyrosine phosphorylation is critical for interleukin 1 beta and interleukin-6 production in response to lipopolysaccharide and live bacteria. Molecular Immunology, 2009, 46, 1867-1877.	1.0	231
98	Regulation of oxidative phosphorylation, the mitochondrial membrane potential, and their role in human disease. Journal of Bioenergetics and Biomembranes, 2008, 40, 445-456.	1.0	204
99	A novel endotoxin-induced pathway: upregulation of heme oxygenase 1, accumulation of free iron, and free iron-mediated mitochondrial dysfunction. Laboratory Investigation, 2008, 88, 70-77.	1.7	96
100	Suppression of the inducible form of nitric oxide synthase prior to traumatic brain injury improves cytochrome c oxidase activity and normalizes cellular energy levels. Neuroscience, 2008, 151, 148-154.	1.1	23
101	Mammalian liver cytochrome c is tyrosine-48 phosphorylated in vivo, inhibiting mitochondrial respiration. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1066-1071.	0.5	84
102	Tumor Necrosis Factor Î± Inhibits Oxidative Phosphorylation through Tyrosine Phosphorylation at Subunit I of Cytochrome c Oxidase. Journal of Biological Chemistry, 2008, 283, 21134-21144.	1.6	168
103	Transcription of mammalian cytochrome c oxidase subunitâ€ƒIVâ€2 is controlled by a novel conserved oxygen responsive element. FEBS Journal, 2007, 274, 5737-5748.	2.2	60
104	Regulation of mitochondrial oxidative phosphorylation through cell signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1701-1720.	1.9	230
105	New Prospects for an Old Enzyme:â€‰ Mammalian Cytochrome c Is Tyrosine-Phosphorylated in Vivo. Biochemistry, 2006, 45, 9121-9128.	1.2	88
106	cAMP-dependent Tyrosine Phosphorylation of Subunit I Inhibits Cytochrome c Oxidase Activity. Journal of Biological Chemistry, 2005, 280, 6094-6100.	1.6	182
107	Coadaptive evolution in cytochrome c oxidase: 9 of 13 subunits show accelerated rates of nonsynonymous substitution in anthropoid primates. Molecular Phylogenetics and Evolution, 2004, 33, 944-950.	1.2	33
108	The possible role of cytochrome c oxidase in stress-induced apoptosis and degenerative diseases. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 400-408.	0.5	200

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109	Cytochromecoxidase of mammals contains a testes-specific isoform of subunit VIb-the counterpart to testes-specific cytochromec?. Molecular Reproduction and Development, 2003, 66, 8-16.	1.0	109
110	A third isoform of cytochrome c oxidase subunit VIII is present in mammals. Gene, 2003, 312, 95-102.	1.0	50
111	Adaptive evolution of cytochrome c oxidase subunit VIII in anthropoid primates. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5873-5878.	3.3	76
112	Partial Heat Denaturation Step during Reverse Transcription and PCR Screening Yields Full-Length 5â€²-cDNAs. BioTechniques, 2002, 32, 730-736.	0.8	17
113	Mammalian subunit IV isoforms of cytochrome c oxidase. Gene, 2001, 267, 111-123.	1.0	163
114	Cytochrome c Oxidase and the Regulation of Oxidative Phosphorylation. ChemBioChem, 2001, 2, 392-403.	1.3	192
115	Turkey cytochrome c oxidase contains subunit VIa of the liver type associated with low efficiency of energy transduction. FEBS Journal, 2000, 267, 2098-2104.	0.2	15
116	Mitochondrial energy metabolism is regulated via nuclear-coded subunits of cytochrome c oxidase11This article is dedicated to the memory of the late Professor Lars Ernster.. Free Radical Biology and Medicine, 2000, 29, 211-221.	1.3	235
117	New isoforms of cytochrome c oxidase subunit IV in tuna fish. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1492, 242-246.	2.4	11
118	Isolation and sequence of the human cytochrome c oxidase subunit VIIaL gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1492, 252-258.	2.4	12
119	Possible Influence of Metabolic Activity on Aging. Rejuvenation Research, 1999, 2, 255-264.	0.2	11
120	Regulation of energy transduction and electron transfer in cytochrome c oxidase by adenine nucleotides. Journal of Bioenergetics and Biomembranes, 1998, 30, 25-33.	1.0	25
121	Biochemical defects and genetic abnormalities in cytochrome c oxidase of patients with Leigh syndrome. BioFactors, 1998, 7, 273-276.	2.6	2
122	The cDNA sequences of cytochrome c oxidase subunit VIa from carp and rainbow trout suggest the absence of isoforms in fishes1The sequence data in this paper have been submitted to the GenBank data library under the accession numbers: BankIt88656 U83980 (trout) and BankIt88644 U83907 (carp).1. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1319, 14-18.	0.5	12