

# Sergio Papa

## List of Publications by Year in descending order

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313  
papers

10,409  
citations

39113

52  
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66518

82  
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315  
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315  
docs citations

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times ranked

8876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary conservation of a regulative pathway of erythropoiesis in Poikilothermic vertebrates. <i>Scientific Reports</i> , 2022, 12, 3307.	1.6	1
2	The allosteric protein interactions in the proton-motive function of mammalian redox enzymes of the respiratory chain. <i>Biochimie</i> , 2021, 189, 1-12.	1.3	4
3	Decreased amount of vimentin N-terminal truncated proteolytic products in parkin-mutant skin fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 693-698.	1.0	5
4	Allosteric Cooperativity in Proton Energy Conversion in A1-Type Cytochrome c Oxidase. <i>Journal of Molecular Biology</i> , 2020, 432, 534-551.	2.0	3
5	Increased Levels of cAMP by the Calcium-Dependent Activation of Soluble Adenylyl Cyclase in Parkin-Mutant Fibroblasts. <i>Cells</i> , 2019, 8, 250.	1.8	13
6	The mechanism of coupling between oxidoreduction and proton translocation in respiratory chain enzymes. <i>Biological Reviews</i> , 2018, 93, 322-349.	4.7	24
7	Function and expression study uncovered hepatocyte plasma membrane ecto-ATP synthase as a novel player in liver regeneration. <i>Biochemical Journal</i> , 2016, 473, 2519-2530.	1.7	8
8	cAMP regulates the functional activity, coupling efficiency and structural organization of mammalian F <sub>0</sub> F <sub>1</sub> ATP synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 350-358.	0.5	35
9	Antibiotic Sensitivity of <i>Bacillus clausii</i> Strains in Commercial Preparation. <i>Clinical Immunology, Endocrine and Metabolic Drugs</i> , 2015, 1, 102-110.	0.3	10
10	Altered protein expression pattern in skin fibroblasts from parkin -mutant early-onset Parkinson's disease patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1960-1970.	1.8	25
11	Intramitochondrial adenylyl cyclase controls the turnover of nuclear-encoded subunits and activity of mammalian complex I of the respiratory chain. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 183-191.	1.9	45
12	Regulation of the biogenesis of OXPHOS complexes in cell transition from replicating to quiescent state. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 675-684.	1.9	39
13	The respiratory chains of four strains of the alkaliphilic <i>Bacillus clausii</i> . <i>FEBS Open Bio</i> , 2014, 4, 714-721.	1.0	3
14	Short-term Type 1 diabetes differentially modulates 143 proteins in rat brain and liver. <i>European Journal of Clinical Investigation</i> , 2014, 44, 350-358.	1.7	11
15	Epigallocatechin-3-gallate prevents oxidative phosphorylation deficit and promotes mitochondrial biogenesis in human cells from subjects with Down's syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 542-552.	1.8	124
16	Oncogenic K-ras expression is associated with derangement of the cAMP/PKA pathway and forskolin-reversible alterations of mitochondrial dynamics and respiration. <i>Oncogene</i> , 2013, 32, 352-362.	2.6	54
17	The Mitochondrial Italian Human Proteome Project Initiative (mt-HPP). <i>Molecular BioSystems</i> , 2013, 9, 1984-92.	2.9	10
18	The mechanism of alternative splicing of the X-linked NDUFB11 gene of the respiratory chain complex I, impact of rotenone treatment in neuroblastoma cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 211-218.	0.9	9

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19	Complex I deficiencies in neurological disorders. Trends in Molecular Medicine, 2013, 19, 61-69.	3.5	65
20	Comparative secretome analysis of four isogenic Bacillus clausii probiotic strains. Proteome Science, 2013, 11, 28.	0.7	26
21	3,5-Diiodo-L-Thyronine Administration To Hypothyroid Rats Rapidly Enhances Fatty Acid Oxidation Rate and Bioenergetic Parameters in Liver Cells. PLoS ONE, 2013, 8, e52328.	1.1	26
22	Mitochondrial Oxidative Stress due to Complex I Dysfunction Promotes Fibroblast Activation and Melanoma Cell Invasiveness. Journal of Signal Transduction, 2012, 2012, 1-10.	2.0	48
23	Respiratory chain complex I, a main regulatory target of the cAMP/PKA pathway is defective in different human diseases. FEBS Letters, 2012, 586, 568-577.	1.3	75
24	The hUPF1-NMD factor controls the cellular transcript levels of different genes of complex I of the respiratory chain. Biochimie, 2012, 94, 2600-2607.	1.3	2
25	The Oxidative Phosphorylation System in Mammalian Mitochondria. Advances in Experimental Medicine and Biology, 2012, 942, 3-37.	0.8	198
26	Activation of the cAMP cascade in human fibroblast cultures rescues the activity of oxidatively damaged complex I. Free Radical Biology and Medicine, 2012, 52, 757-764.	1.3	35
27	Allosteric interactions and proton conducting pathways in proton pumping aa3 oxidases: Heme a as a key coupling element. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 558-566.	0.5	22
28	Mitochondrial proteome analysis reveals depression of the Ndufs3 subunit and activity of complex I in diabetic rat brain. Journal of Proteomics, 2012, 75, 2331-2341.	1.2	20
29	Dysfunction of Mitochondrial Respiratory Chain Complex I in Neurological Disorders: Genetics and Pathogenetic Mechanisms. Advances in Experimental Medicine and Biology, 2012, 942, 371-384.	0.8	12
30	Comparative proteomic analysis of four Bacillus clausii strains: Proteomic expression signature distinguishes protein profile of the strains. Journal of Proteomics, 2011, 74, 2846-2855.	1.2	12
31	T16189C mitochondrial DNA variant is associated with metabolic syndrome in Caucasian subjects. Nutrition, 2011, 27, 773-777.	1.1	34
32	Turin special issue: Biochemistry for tomorrow's medicine. FEBS Letters, 2011, 585, 1503-1503.	1.3	0
33	Redox Bohr effects and the role of heme a in the proton pump of bovine heart cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1287-1294.	0.5	15
34	Allosteric cooperativity in respiratory proteins. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1251-1252.	0.5	2
35	Inhibition of proton pumping in membrane reconstituted bovine heart cytochrome c oxidase by zinc binding at the inner matrix side. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1075-1082.	0.5	11
36	3,5-Diiodo-L-Thyronine increases FoF1-ATP synthase activity and cardiolipin level in liver mitochondria of hypothyroid rats. Journal of Bioenergetics and Biomembranes, 2011, 43, 349-357.	1.0	23

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37	Rat Embryo Exposure to All- <i>trans</i> Retinoic Acid Results in Postnatal Oxidative Damage of Respiratory Complex I in the Cerebellum. <i>Molecular Pharmacology</i> , 2011, 80, 704-713.	1.0	5
38	3,5-diiodo-L-thyronine upregulates rat-liver mitochondrial FoF1-ATP synthase by GA-binding protein/nuclear respiratory factor-2. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 233-240.	0.5	27
39	cAMP-dependent protein kinase regulates post-translational processing and expression of complex I subunits in mammalian cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 649-658.	0.5	31
40	cAMP/Ca <sup>2+</sup> response element-binding protein plays a central role in the biogenesis of respiratory chain proteins in mammalian cells. <i>IUBMB Life</i> , 2010, 62, 447-452.	1.5	25
41	Phosphorylation pattern of the NDUFS4 subunit of complex I of the mammalian respiratory chain. <i>Mitochondrion</i> , 2010, 10, 464-471.	1.6	41
42	Pathogenetic mechanisms in hereditary dysfunctions of complex I of the respiratory chain in neurological diseases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 502-517.	0.5	33
43	Mitochondrial Physiology and Pathology. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 289.	0.5	1
44	Mitochondrial respiratory dysfunction and mutations in mitochondrial DNA in PINK1 familial Parkinsonism. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 509-516.	1.0	21
45	cAMP response element-binding protein (CREB) is imported into mitochondria and promotes protein synthesis. <i>FEBS Journal</i> , 2009, 276, 4325-4333.	2.2	82
46	Effect of the ATPase inhibitor protein IF1 on H <sup>+</sup> translocation in the mitochondrial ATP synthase complex. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 43-48.	1.0	26
47	Molecular analysis in a family presenting with a mild form of late-onset autosomal dominant chronic progressive external ophthalmoplegia. <i>Neuromuscular Disorders</i> , 2009, 19, 423-426.	0.3	8
48	Mitochondrial Respiratory Dysfunction in Familial Parkinsonism Associated with PINK1 Mutation. <i>Neurochemical Research</i> , 2008, 33, 2565-2574.	1.6	99
49	cAMP-dependent protein kinase regulates the mitochondrial import of the nuclear encoded NDUFS4 subunit of complex I. <i>Cellular Signalling</i> , 2008, 20, 989-997.	1.7	97
50	Mammalian complex I: A regulable and vulnerable pacemaker in mitochondrial respiratory function. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 719-728.	0.5	80
51	Structural and functional characterization of FoF1-ATP synthase on the extracellular surface of rat hepatocytes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1326-1335.	0.5	80
52	The regulation of PTC containing transcripts of the human NDUFS4 gene of complex I of respiratory chain and the impact of pathological mutations. <i>Biochimie</i> , 2008, 90, 1452-1460.	1.3	11
53	Coexistence of mutations in PINK1 and mitochondrial DNA in early onset parkinsonism. <i>Journal of Medical Genetics</i> , 2008, 45, 596-602.	1.5	31
54	Phosphorylation of B14.5a Subunit from Bovine Heart Complex I Identified by Titanium Dioxide Selective Enrichment and Shotgun Proteomics. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 231-237.	2.5	38

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55	Cardiolipin is associated with the terminal oxidase of an extremely halophilic archaeon. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 795-801.	1.0	18
56	The NDUFB11 gene is not a modifier in Leber hereditary optic neuropathy. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 181-187.	1.0	13
57	The inhibitory binding site(s) of Zn <sup>2+</sup> -in cytochromecoxidase. <i>FEBS Letters</i> , 2007, 581, 611-616.	1.3	16
58	EXAFS reveals a structural zinc binding site in the bovine NADHâ€Q oxidoreductase. <i>FEBS Letters</i> , 2007, 581, 5645-5648.	1.3	6
59	X-Ray Absorption Studies of Zn <sup>2+</sup> Binding Sites in Bacterial, Avian, and Bovine Cytochrome bc <sub>1</sub> Complexes. <i>Biophysical Journal</i> , 2007, 93, 2934-2951.	0.2	29
60	The phosphorylation pattern of bovine heart complex I subunits. <i>Proteomics</i> , 2007, 7, 1575-1583.	1.3	60
61	A two-dimensional electrophoresis and mass spectrometry protein analysis of the antibiotic producer <i>Nonomuraea</i> sp. ATCC 39727 in different growth conditions. <i>FEMS Microbiology Letters</i> , 2007, 274, 35-41.	0.7	4
62	1.5 Electron Transport. Structure, Redox-Coupled Protonmotive Activity, and Pathological Disorders of Respiratory Chain Complexes. , 2007, , 93-118.		8
63	1.6 The Mitochondrial F <sub>1</sub> F <sub>o</sub> ATP Synthase. , 2007, , 119-134.		3
64	cAMPâ€dependent protein kinase promotes mitochondrial import of the nuclear encoded NDUFS4 subunit of complex I. <i>FASEB Journal</i> , 2007, 21, A661.	0.2	0
65	Occurrence of A-kinase anchor protein and associated cAMP-dependent protein kinase in the inner compartment of mammalian mitochondria. <i>FEBS Letters</i> , 2006, 580, 5690-5696.	1.3	73
66	Cooperativity and flexibility of the protonmotive activity of mitochondrial respiratory chain. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 428-436.	0.5	32
67	Concerted involvement of cooperative protonâ€electron linkage and water production in the proton pump of cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1133-1143.	0.5	18
68	Shotgun proteomics for the characterization of subunit composition of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1438-1450.	0.5	17
69	pH Dependence of Proton Translocation in the Oxidative and Reductive Phases of the Catalytic Cycle of CytochromecOxidase. The Role of H <sub>2</sub> O Produced at the Oxygen-Reduction Siteâ€. <i>Biochemistry</i> , 2006, 45, 1930-1937.	1.2	15
70	cAMP controls oxygen metabolism in mammalian cells. <i>FEBS Letters</i> , 2006, 580, 4539-4543.	1.3	60
71	Structure and expression of the atp operon coding for F <sub>1</sub> F <sub>o</sub> -ATP synthase from the antibiotic-producing actinomycete <i>Nonomuraea</i> sp. ATCC 39727. <i>Research in Microbiology</i> , 2006, 157, 675-683.	1.0	8
72	Does cAMP play a part in the regulation of the mitochondrial electron transport chain in mammalian cells?. <i>IUBMB Life</i> , 2006, 58, 173-175.	1.5	10

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73	Glatiramer acetate induces proapoptotic mechanisms involving Bcl-2, Bax and Cyt-c in peripheral lymphocytes from multiple sclerosis patients. <i>Journal of Neurology</i> , 2006, 253, 231-236.	1.8	21
74	Dysfunctions of Cellular Oxidative Metabolism in Patients with Mutations in the NDUFS1 and NDUFS4 Genes of Complex I. <i>Journal of Biological Chemistry</i> , 2006, 281, 10374-10380.	1.6	128
75	Regulation by the cAMP Cascade of Oxygen Free Radical Balance in Mammalian Cells. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 495-502.	2.5	36
76	Studies on the Mechanism of Action of Triphenyltin on Proton Conduction by the H <sup>+</sup> -ATPase of Mitochondria. <i>FEBS Journal</i> , 2005, 128, 1-7.	0.2	18
77	Effect of Thiol Reagents on the Proton Conductivity of the H <sup>+</sup> -ATPase of Mitochondria. <i>FEBS Journal</i> , 2005, 128, 9-13.	0.2	18
78	Role of cooperative H <sup>+</sup> /e <sup>-</sup> Linkage (redox Bohr effect) at heme a/CuA and heme a <sub>3</sub> /CuB in the proton pump of cytochrome c oxidase. <i>Biochemistry (Moscow)</i> , 2005, 70, 178-186.	0.7	14
79	Mutations in the NDUFS4 gene of mitochondrial complex I alter stability of the splice variants. <i>FEBS Letters</i> , 2005, 579, 3770-3776.	1.3	19
80	How I Became a Biochemist. <i>IUBMB Life</i> , 2004, 56, 365-368.	1.5	0
81	Inhibitory and Anchoring Domains in the ATPase Inhibitor Protein IF1 of Bovine Heart Mitochondrial ATP Synthase. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 447-457.	1.0	31
82	Respiratory Complex I in Brain Development and Genetic Disease. <i>Neurochemical Research</i> , 2004, 29, 547-560.	1.6	13
83	Protonmotive cooperativity in cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1658, 95-105.	0.5	24
84	A cooperative model for proton pumping in cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1655, 353-364.	0.5	27
85	Clinical heterogeneity in patients with mutations in the NDUFS4 gene of mitochondrial complex I. <i>Journal of Inherited Metabolic Disease</i> , 2003, 26, 813-815.	1.7	59
86	Characterization of plasma membrane respiratory chain and ATPase in the actinomycete <i>Nonomuraea</i> sp. ATCC 39727. <i>FEMS Microbiology Letters</i> , 2003, 228, 233-239.	0.7	7
87	Cerebellar ataxia as atypical manifestation of the 3243A>G MELAS mutation. <i>Clinical Genetics</i> , 2003, 65, 64-65.	1.0	15
88	Proton Transfer Reactions Associated with the Reaction of the Fully Reduced, Purified Cytochrome c Oxidase with Molecular Oxygen and Ferricyanide. <i>Biochemistry</i> , 2003, 42, 4607-4612.	1.2	17
89	Marked aging-related decline in efficiency of oxidative phosphorylation in human skin fibroblasts. <i>FASEB Journal</i> , 2003, 17, 1706-1708.	0.2	102
90	Pathological Mutations of the Human NDUFS4 Gene of the 18-kDa (AQDQ) Subunit of Complex I Affect the Expression of the Protein and the Assembly and Function of the Complex. <i>Journal of Biological Chemistry</i> , 2003, 278, 44161-44167.	1.6	120

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91	Atypical Leigh syndrome associated with the D393N mutation in the mitochondrial ND5 subunit. <i>Neurology</i> , 2003, 61, 1017-1018.	1.5	29
92	The cAMP cascade and mitochondrial oxidative phosphorylation. Physiopathological implications. <i>Biochemical Society Transactions</i> , 2002, 30, A7-A7.	1.6	0
93	The cAMP cascade and mitochondrial oxidative phosphorylation. Physiopathological implications. <i>Biochemical Society Transactions</i> , 2002, 30, A32-A32.	1.6	0
94	Antioxidants, reactive oxygen and nitrogen species, gene induction and mitochondrial function. <i>Molecular Aspects of Medicine</i> , 2002, 23, 209-285.	2.7	201
95	The NDUFS4 nuclear gene of complex I of mitochondria and the cAMP cascade. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1555, 147-153.	0.5	48
96	Serine (threonine) phosphatase(s) acting on cAMP-dependent phosphoproteins in mammalian mitochondria. <i>FEBS Letters</i> , 2002, 512, 91-94.	1.3	45
97	Activity and NMR structure of synthetic peptides of the bovine ATPase inhibitor protein, IF1. <i>Peptides</i> , 2002, 23, 2127-2141.	1.2	8
98	Mutations in human nuclear genes encoding for subunits of mitochondrial respiratory complex I: the NDUFS4 gene. <i>Gene</i> , 2002, 286, 149-154.	1.0	54
99	Changes in ultrastructure and the occurrence of permeability transition in mitochondria during rat liver regeneration. <i>FEBS Journal</i> , 2002, 269, 3304-3312.	0.2	26
100	The NADH: ubiquinone oxidoreductase (complex I) of the mammalian respiratory chain and the cAMP cascade. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 1-10.	1.0	57
101	Complex I and the cAMP Cascade in Human Physiopathology. <i>Bioscience Reports</i> , 2002, 22, 3-16.	1.1	38
102	Structures and Interactions of Proteins Involved in the Coupling Function of the Protonmotive FoF1-ATP Synthase. <i>Current Protein and Peptide Science</i> , 2002, 3, 451-460.	0.7	24
103	Morphological and biochemical characterization of mitochondria in Torpedo red blood cells. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 128, 213-219.	0.7	33
104	Mutation in the NDUFS4 gene of complex I abolishes cAMP-dependent activation of the complex in a child with fatal neurological syndrome. <i>FEBS Letters</i> , 2001, 489, 259-262.	1.3	87
105	Cyclic Adenosine Monophosphate-Dependent Phosphorylation of Mammalian Mitochondrial Proteins: Enzyme and Substrate Characterization and Functional Role. <i>Biochemistry</i> , 2001, 40, 13941-13947.	1.2	95
106	Carboxyl Residues in the Iron-Sulfur Protein Are Involved in the Proton Pumping Activity of P. denitrificans bc1 Complex. <i>Biochemistry</i> , 2001, 40, 15396-15402.	1.2	4
107	A nonsense mutation in the NDUFS4 gene encoding the 18 kDa (AQDQ) subunit of complex I abolishes assembly and activity of the complex in a patient with Leigh-like syndrome. <i>Human Molecular Genetics</i> , 2001, 10, 529-535.	1.4	120
108	F1 and F0 connections in the bovine mitochondrial ATP synthase. <i>FEBS Journal</i> , 2000, 267, 4445-4455.	0.2	16



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109	The structural and functional connection between the catalytic and proton translocating sectors of the mitochondrial F1F0-ATP synthase. <i>Journal of Bioenergetics and Biomembranes</i> , 2000, 32, 401-411.	1.0	20
110	cAMP-dependent Phosphorylation of the Nuclear Encoded 18-kDa (IP) Subunit of Respiratory Complex I and Activation of the Complex in Serum-starved Mouse Fibroblast Cultures. <i>Journal of Biological Chemistry</i> , 2000, 275, 17578-17582.	1.6	113
111	Chronic low dose ethanol intake: Biochemical characterization of liver mitochondria in rats. <i>Life Sciences</i> , 2000, 66, 477-484.	2.0	18
112	Functional domains of the ATPase inhibitor protein from bovine heart mitochondria. <i>FEBS Letters</i> , 2000, 482, 163-166.	1.3	9
113	Coupling of Electron Transfer with Proton Transfer at Hemea and CuA (Redox Bohr Effects) in Cytochrome c Oxidase. Studies with the Carbon Monoxide Inhibited Enzyme. <i>Biochemistry</i> , 2000, 39, 6373-6379.	1.2	33
114	The Proton/Electron Coupling Ratio at Hemea and CuA in Bovine Heart Cytochrome c Oxidase. <i>Biochemistry</i> , 2000, 39, 15454-15461.	1.2	32
115	Arachidonic acid interaction with the mitochondrial electron transport chain promotes reactive oxygen species generation. <i>Free Radical Biology and Medicine</i> , 1999, 27, 51-59.	1.3	200
116	Effects of Site-Directed Mutagenesis of Protolytic Residues in Subunit I of <i>Bacillus subtilis</i> aa3-600 Quinol Oxidase. Role of Lysine 304 in Proton Translocation. <i>Biochemistry</i> , 1999, 38, 2287-2294.	1.2	6
117	cAMP-dependent protein kinase and phosphoproteins in mammalian mitochondria. An extension of the cAMP-mediated intracellular signal transduction. <i>FEBS Letters</i> , 1999, 444, 245-249.	1.3	89
118	Localization of acidic residues involved in the proton pumping activity of the bovine heart mitochondrial bc1 complex. <i>FEBS Letters</i> , 1999, 456, 37-40.	1.3	7
119	Disulfide cross-linking of subunits F1- $\beta$ and FO1-PVP(b) results in asymmetric effects on proton translocation in the mitochondrial ATP synthase. <i>FEBS Letters</i> , 1999, 463, 7-11.	1.3	6
120	Coupling Structures and Mechanisms in the Stalk of the Bovine Mitochondrial FOF1-ATP Synthase. , 1999, , 459-487.		1
121	Age-Linked Changes in the Genotype and Phenotype of Mitochondria. , 1999, , 693-727.		4
122	Proton Pumps of Respiratory Chain Enzymes. , 1999, , 49-87.		3
123	Redox Bohr effects (cooperative coupling) and the role of heme a in the proton pump of cytochrome c oxidase. <i>Journal of Bioenergetics and Biomembranes</i> , 1998, 30, 109-119.	1.0	14
124	The N-termini of the alpha and beta subunits at the top of F1 stabilize the energy-transfer function in the mitochondrial F1Fo ATP synthase. <i>FEBS Journal</i> , 1998, 252, 155-161.	0.2	7
125	Cooperative coupling and role of heme a in the proton pump of heme-copper oxidases. <i>Biochimie</i> , 1998, 80, 821-836.	1.3	16
126	Ferrocyanide-peroxidase activity of cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998, 1363, 11-23.	0.5	20



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127	A cooperative model for protonmotive heme-copper oxidases. The role of heme in the proton pump of cytochromecoxidase. FEBS Letters, 1998, 439, 1-8.	1.3	40
128	Chemical Modification of the Bovine Mitochondrial bc1 Complex Reveals Critical Acidic Residues Involved in the Proton Pumping Activity. Biochemistry, 1998, 37, 2037-2043.	1.2	19
129	Topological and Functional Relationship of Subunits F1- $\hat{F}$ and Fo1-PVP(b) in the Mitochondrial H <sup>+</sup> -ATP Synthase. Biochemistry, 1998, 37, 17519-17526.	1.2	8
130	Low Reserve of Cytochrome c Oxidase Capacity in Vivo in the Respiratory Chain of a Variety of Human Cell Types. Journal of Biological Chemistry, 1998, 273, 31829-31836.	1.6	195
131	Reactive Oxygen Species (ROS) and Alteration of FOF1-ATP Synthase in Aging and Liver Regeneration. , 1998, , 109-119.		2
132	Bile acids, cell proliferation and protein phosphorylation. , 1998, , 117-128.		0
133	The mitochondrial ATP synthase in normal and neoplastic cell growth. , 1998, , 31-46.		2
134	Reactive oxygen species, mitochondria, apoptosis and aging. , 1997, , 305-319.		120
135	Proton pumping by cytochromecoxidase is coupled to peroxidase half of its catalytic cycle. FEBS Letters, 1997, 412, 405-409.	1.3	23
136	Vectorial nature of redox Bohr effects in bovine heart cytochromecoxidase. FEBS Letters, 1997, 414, 414-418.	1.3	14
137	Redox-linked protolytic reactions in soluble cytochrome-c oxidase from beef-heart mitochondria: redox Bohr effects. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1318, 255-265.	0.5	44
138	Ursodeoxycholate promotes protein phosphorylation in the cytosol of rat hepatocytes. IUBMB Life, 1997, 41, 329-337.	1.5	3
139	A Possible Role of Slips in Cytochrome C Oxidase in the Antioxygen Defense System of the Cell. Bioscience Reports, 1997, 17, 23-31.	1.1	49
140	Reactive oxygen species, mitochondria, apoptosis and aging. , 1997, 174, 305-319.		373
141	Oxidative phosphorylation enzymes in normal and neoplastic cell growth. Journal of Bioenergetics and Biomembranes, 1997, 29, 379-384.	1.0	77
142	Steady-state proton translocation in bovine heart mitochondrial bc1 complex reconstituted into liposomes. Journal of Bioenergetics and Biomembranes, 1997, 29, 81-87.	1.0	11
143	Reactive oxygen species, mitochondria, apoptosis and aging. Molecular and Cellular Biochemistry, 1997, 174, 305-19.	1.4	112
144	Factors Affecting the H <sup>+</sup> /e <sup>-</sup> -Stoichiometry in Mitochondrial CytochromecOxidase:Â Influence of the Rate of Electron Flow and Transmembrane $\hat{F}$ pH. Biochemistry, 1996, 35, 10800-10806.	1.2	73

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145	Ageing is associated in females with a decline in the content and activity of the b-c1 complex in skeletal muscle mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1996, 1315, 66-72.	1.8	49
146	The nuclear-encoded 18 kDa (IP) AQPQ subunit of bovine heart complex I is phosphorylated by the mitochondrial cAMP-dependent protein kinase. <i>FEBS Letters</i> , 1996, 379, 299-301.	1.3	117
147	The <i>Saccharomyces cerevisiae</i> OXA1 gene is required for the correct assembly of cytochrome c oxidase and oligomycin-sensitive ATP synthase. <i>FEBS Letters</i> , 1996, 382, 111-115.	1.3	134
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