MÃ¥rten WikstrÃ¶m

List of Publications by Year
in descending order

Version: 2024-02-01

149 papers	12,001 citations	20817 60 h-index	28297 105 g-index
155 all docs	155 docs citations	155 times ranked	4478 citing authors

#	Article	IF	Citations
1	Architecture of bacterial respiratory chains. Nature Reviews Microbiology, 2021, 19, 319-330.	28.6	92
2	Specific inhibition of proton pumping by the T315V mutation in the K channel of cytochrome ba from Thermus thermophilus. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148450.	1.0	5
3	Thermodynamic efficiency, reversibility, and degree of coupling in energy conservation by the mitochondrial respiratory chain. Communications Biology, 2020, 3, 451.	4.4	24
4	A spontaneous mitonuclear epistasis converging on Rieske Fe-S protein exacerbates complex III deficiency in mice. Nature Communications, 2020, 11, 322.	12.8	17
5	Cytochrome c Oxidase â€" Remaining Questions About the Catalytic Mechanism. , 2019, , 135-145.		2
6	Oxygen Activation and Energy Conservation by Cytochrome c Oxidase. Chemical Reviews, 2018, 118, 2469-2490.	47.7	294
7	Proton pumping by cytochrome c oxidase â€" A 40â€¯year anniversary. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 692-698.	1.0	46
8	Redox-coupled quinone dynamics in the respiratory complex I. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8413-E8420.	7.1	84
9	Understanding the essential proton-pumping kinetic gates and decoupling mutations in cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5924-5929.	7.1	40
10	Time-resolved generation of membrane potential by ba cytochrome c oxidase from Thermus thermophilus coupled to single electron injection into the O and OH states. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 915-926.	1.0	13
11	The Role of the H-Channel in Cytochrome c Oxidase: A Commentary. , 2017, , 55-63.		0
12	Multiscale simulations reveal key features of the proton-pumping mechanism in cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7420-7425.	7.1	60
13	Molecular simulation and modeling of complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 915-921.	1.0	24
14	The role of the K-channel and the active-site tyrosine in the catalytic mechanism of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1111-1115.	1.0	37
15	Proton-coupled electron transfer and the role of water molecules in proton pumping by cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2040-2045.	7.1	59
16	New Perspectives on Proton Pumping in Cellular Respiration. Chemical Reviews, 2015, 115, 2196-2221.	47.7	238
17	Nitric oxide is a potent inhibitor of the cbb₃â€type hemeâ€copper oxidases. FEBS Letters, 2015, 589, 1214-1218.	2.8	12
18	Role of subunit III and its lipids in the molecular mechanism of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 690-697.	1.0	24

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19	Redox-induced activation of the proton pump in the respiratory complex I. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11571-11576.	7.1	122
20	Electrostatics, hydration, and proton transfer dynamics in the membrane domain of respiratory complex I. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6988-6993.	7.1	94
21	A structural and functional perspective on the evolution of the hemeâ€“copper oxidases. FEBS Letters, 2014, 588, 3787-3792.	2.8	26
22	The causes of reduced proton-pumping efficiency in type B and C respiratory heme-copper oxidases, and in some mutated variants of type A. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 999-1003.	1.0	40
23	Oxidoreduction properties of bound ubiquinone in Complex I from Escherichia coli. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 246-250.	1.0	31
24	The fifth electron in the fully reduced caa3 from Thermus thermophilus is competent in proton pumping. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1-9.	1.0	12
25	Computational study of the activated O _H state in the catalytic mechanism of cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16844-16849.	7.1	56
26	Stoichiometry of proton translocation by respiratory complex I and its mechanistic implications. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4431-4436.	7.1	98
27	Mechanistic stoichiometry of proton translocation by cytochrome cbb ₃ . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7286-7291.	7.1	33
28	Dynamic water networks in cytochrome cbb3 oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 726-734.	1.0	16
29	Active site intermediates in the reduction of O2 by cytochrome oxidase, and their derivatives. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 468-475.	1.0	74
30	Michael I. Verkhovsky (1953â€“2011). Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 267-268.	1.0	0
31	The identity of the transient proton loading site of the proton-pumping mechanism of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 80-84.	1.0	81
32	A combined quantum chemical and crystallographic study on the oxidized binuclear center of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 769-778.	1.0	39
33	Stabilization of the peroxy intermediate in the oxygen splitting reaction of cytochrome cbb3. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 813-818.	1.0	15
34	The D-channel of cytochrome oxidase: An alternative view. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1273-1278.	1.0	32
35	Interheme electron tunneling in cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21470-21475.	7.1	26
36	Redox-coupled proton transfer in the active site of cytochrome cbb3. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1512-1520.	1.0	14

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37	Modulation of the active site conformation by site-directed mutagenesis in cytochrome c oxidase from Paracoccus denitrificans. Journal of Inorganic Biochemistry, 2010, 104, 318-323.	3.5	9
38	Initiation of the proton pump of cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18469-18474.	7.1	42
39	Proton-Coupled Electron Transfer in Cytochrome Oxidase. Chemical Reviews, 2010, 110, 7062-7081.	47.7	466
40	Active Site of Cytochrome cbb3. Journal of Biological Chemistry, 2009, 284, 11301-11308.	3.4	37
41	Kinetic gating of the proton pump in cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13707-13712.	7.1	69
42	The chemistry of the CuB site in cytochrome c oxidase and the importance of its unique Hisâ€“Tyr bond. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 221-233.	1.0	47
43	Mechanism and energetics by which glutamic acid 242 prevents leaks in cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 1205-1214.	1.0	47
44	How I became a biochemist. IUBMB Life, 2008, 60, 414-417.	3.4	0
45	Conserved lysine residues of the membrane subunit NuoM are involved in energy conversion by the proton-pumping NADH:ubiquinone oxidoreductase (Complex I). Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1166-1172.	1.0	90
46	Prevention of leak in the proton pump of cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 890-892.	1.0	22
47	Modeling the Active-Site Structure of the cbb₃-Type Oxidase from Rhodobacter sphaeroides. Biochemistry, 2008, 47, 4221-4227.	2.5	10
48	Real-time electron transfer in respiratory complex I. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3763-3767.	7.1	144
49	The proton donor for OO bond scission by cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10733-10737.	7.1	81
50	The Protonation State of the Cross-linked Tyrosine during the Catalytic Cycle of Cytochrome c Oxidase. Journal of Biological Chemistry, 2008, 283, 34907-34912.	3.4	55
51	Glutamic acid 242 is a valve in the proton pump of cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6255-6259.	7.1	125
52	The Respiratory Enzyme as An Electrochemical Energy Transducer. , 2008, , 25-35.		2
53	Nanosecond electron tunneling between the hemes in cytochrome bo ₃. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20811-20814.	7.1	40
54	Exploring the proton pump mechanism of cytochrome c oxidase in real time. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2685-2690.	7.1	205

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55	Protolytic Reactions on Reduction of Cytochrome c Oxidase Studied by ATR-FTIR Spectroscopy. Biochemistry, 2007, 46, 4177-4183.	2.5	21
56	Mechanism and energetics of proton translocation by the respiratory heme-copper oxidases. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1200-1214.	1.0	155
57	Dynamics of the glutamic acid 242 side chain in cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1102-1106.	1.0	31
58	Time-resolved single-turnover of ba3 oxidase from Thermus thermophilus. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1383-1392.	1.0	67
59	Kinetic models of redox-coupled proton pumping. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2169-2174.	7.1	57
60	Elementary steps of proton translocation in the catalytic cycle of cytochrome oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 401-407.	1.0	44
61	Sequence Analysis of the cbb3 Oxidases and an Atomic Model for the Rhodobacter sphaeroides Enzyme. Biochemistry, 2006, 45, 5754-5765.	2.5	40
62	Towards the mechanism of proton pumping by the haem-copper oxidases. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1047-1051.	1.0	61
63	The K-pathway revisited: A computational study on cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1117-1121.	1.0	20
64	Proton-Coupled Electron Equilibrium in Soluble and Membrane-Bound CytochromecOxidase fromParacoccus denitrificansâ€. Biochemistry, 2006, 45, 4000-4006.	2.5	23
65	Structural and Chemical Changes of the PMIntermediate ofParacoccus denitrificansCytochromecOxidase Revealed by IR Spectroscopy with Labeled Tyrosines and Histidineâ€. Biochemistry, 2006, 45, 10873-10885.	2.5	41
66	Redox Titration of All Electron Carriers of Cytochrome c Oxidase by Fourier Transform Infrared Spectroscopy. Biochemistry, 2006, 45, 5641-5649.	2.5	73
67	1P176 ATR-FTIR Characterisation of the Ferryl Intermediates of Cytochrome c Oxidase(5. Heme) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0
68	Proton-coupled electron transfer drives the proton pump of cytochrome c oxidase. Nature, 2006, 440, 829-832.	27.8	256
69	Identification of a histidine-tyrosine cross-link in the active site of the cbb3-type cytochrome c oxidase from Rhodobacter sphaeroides. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16135-16140.	7.1	52
70	Gating of proton and water transfer in the respiratory enzyme cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10478-10481.	7.1	86
71	Mechanistic Comparisons Between Photosystem II and Cytochrome c Oxidase. , 2005, , 697-713.		5
72	An Elementary Reaction Step of the Proton Pump Is Revealed by Mutation of Tryptophan-164 to Phenylalanine in CytochromecOxidase fromParacoccus denitrificansâ€. Biochemistry, 2005, 44, 16502-16512.	2.5	43

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73	The catalytic cycle of cytochrome c oxidase is not the sum of its two halves. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 529-533.	7.1	200
74	ATR-FTIR Spectroscopy and Isotope Labeling of the PM Intermediate of Paracoccus denitrificans Cytochrome c Oxidase. Biochemistry, 2004, 43, 14370-14378.	2.5	33
75	Cytochrome c oxidase: 25 years of the elusive proton pump. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 241-247.	1.0	191
76	Ascorbic acid against reperfusion injury in human renal transplantation. Transplant International, 2003, 16, 578-583.	1.6	16
77	Metal-Bridging Mechanism for Oâ^'O Bond Cleavage in Cytochrome c Oxidase. Inorganic Chemistry, 2003, 42, 5231-5243.	4.0	99
78	Water-gated mechanism of proton translocation by cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1604, 61-65.	1.0	258
79	The Spin Distribution in Low-Spin Iron Porphyrins. Journal of the American Chemical Society, 2002, 124, 11771-11780.	13.7	64
80	Change in electron and spin density upon electron transfer to haem. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1553, 183-187.	1.0	49
81	Proton translocation by cytochrome c oxidase in different phases of the catalytic cycle. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1555, 128-132.	1.0	40
82	Heme-copper oxidases with modified D- and K-pathways are yet efficient proton pumps. FEBS Letters, 2001, 497, 159-164.	2.8	36
83	Ultrafast haemâ€“haem electron transfer in cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1506, 143-146.	1.0	50
84	Charge Translocation Coupled to Electron Injection into Oxidized CytochromecOxidase fromParacoccus denitrificansâ€. Biochemistry, 2001, 40, 7077-7083.	2.5	60
85	Role of thePRIntermediate in the Reaction of CytochromecOxidase with O2â€. Biochemistry, 2001, 40, 6882-6892.	2.5	128
86	Electron and Proton Transfer in the Arginine-54-Methionine Mutant of CytochromecOxidase fromParacoccus denitrificansâ€. Biochemistry, 2001, 40, 5269-5274.	2.5	28
87	The structure of the ubiquinol oxidase from Escherichia coli and its ubiquinone binding site. Nature Structural Biology, 2000, 7, 910-917.	9.7	354
88	Mechanism of proton translocation by cytochrome c oxidase: a new four-stroke histidine cycle11Amino acid residues are numbered according to the subunit I structure of cytochrome aa3 from bovine heart mitochondria.. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1458, 188-198.	1.0	72
89	The role of the D- and K-pathways of proton transfer in the function of the haemâ€“copper oxidases. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1459, 514-520.	1.0	117
90	Interaction between the formyl group of heme a and arginine 54 in cytochrome aa3 from Paracoccus denitrificans. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1456, 1-4.	1.0	15

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91	Modeling Cytochrome Oxidase:Â A Quantum Chemical Study of the Oâ˜O Bond Cleavage Mechanism. Journal of the American Chemical Society, 2000, 122, 12848-12858.	13.7	112
92	Binding of O2and Its Reduction Are Both Retarded by Replacement of Valine 279 by Isoleucine in CytochromecOxidase fromParacoccus denitrificansâ€. Biochemistry, 2000, 39, 6365-6372.	2.5	44
93	Proton Translocation by CytochromecOxidase Can Take Place without the Conserved Glutamic Acid in Subunit Iâ€. Biochemistry, 2000, 39, 7863-7867.	2.5	69
94	Proton translocation by cytochrome c oxidase. Nature, 1999, 400, 480-483.	27.8	243
95	Assignment and Charge Translocation Stoichiometries of the Major Electrogenic Phases in the Reaction of Cytochrome c Oxidase with Dioxygen. Biochemistry, 1999, 38, 2697-2706.	2.5	120
96	Proton linkage of cytochrome a oxidoreduction in carbon monoxide-treated cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1412, 184-189.	1.0	22
97	Glutamate-89 in Subunit II of Cytochromebo3fromEscherichia coliIs Required for the Function of the Hemeâ˜Copper Oxidaseâ€. Biochemistry, 1999, 38, 15150-15156.	2.5	41
98	The Calcium Binding Site in Cytochromeaa3fromParacoccus denitrificansâ€. Biochemistry, 1999, 38, 10670-10677.	2.5	44
99	Coordination of CuB in Reduced and CO-Liganded States of Cytochrome bo3 from Escherichia coli. Is Chloride Ion a Cofactor?. Biochemistry, 1999, 38, 7185-7194.	2.5	60
100	Cytochrome oxidase: structure and mechanism. Foreword. Journal of Bioenergetics and Biomembranes, 1998, 30, 3-5.	2.3	2
101	On the mechanism of proton translocation by respiratory enzyme. Journal of Bioenergetics and Biomembranes, 1998, 30, 139-145.	2.3	30
102	Proton translocation by bacteriorhodopsin and heme-copper oxidases. Current Opinion in Structural Biology, 1998, 8, 480-488.	5.7	153
103	Proton translocation by the respiratory haem-copper oxidases. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 185-192.	1.0	18
104	Structure and dynamics of a proton shuttle in cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 255-260.	1.0	66
105	The cbb3-type cytochrome c oxidase from Rhodobacter sphaeroides, a proton-pumping heme-copper oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 421-434.	1.0	84
106	The Na+and K+transport deficiency of anE. colimutant lacking the NhaA and NhaB proteins is apparent and caused by impaired osmoregulation. FEBS Letters, 1998, 439, 271-274.	2.8	9
107	Analysis of the Pathogenic Human Mitochondrial Mutation ND1/3460, and Mutations of Strictly Conserved Residues in Its Vicinity, Using the BacteriumParacoccus denitrificansâ€. Biochemistry, 1998, 37, 11792-11796.	2.5	61
108	Fourier Transform Infrared Evidence for Connectivity between CuB and Glutamic Acid 286 in Cytochrome bo3 from Escherichia coli. Biochemistry, 1997, 36, 13195-13200.	2.5	121

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109	Mutations in subunit 6 of the F1F0-ATP synthase cause two entirely different diseases. FEBS Letters, 1997, 412, 351-354.	2.8	22
110	Translocation of electrical charge during a single turnover of cytochrome-c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1318, 6-10.	1.0	65
111	Observation and Assignment of Peroxy and Ferryl Intermediates in the Reduction of Dioxygen to Water by CytochromecOxidaseâ€. Biochemistry, 1996, 35, 12235-12240.	2.5	108
112	The respiration-driven active sodium transport system inE. colidoes not function with lithium. FEBS Letters, 1996, 388, 217-218.	2.8	12
113	Channelling of dioxygen into the respiratory enzyme. Biochimica Et Biophysica Acta - Bioenergetics, 1996, 1275, 1-4.	1.0	103
114	Kinetic trapping of oxygen in cell respiration. Nature, 1996, 380, 268-270.	27.8	108
115	Perturbation of the CuA Site in Cytochrome-c Oxidase of Paracoccus denitrificans by Replacement of Met227 with Isoleucine. FEBS Journal, 1995, 234, 686-693.	0.2	44
116	Structure of CuB in the Binuclear Heme-Copper Center of the Cytochrome aa3-Type Quinol Oxidase from Bacillus subtilis: An ENDOR and EXAFS Study. Biochemistry, 1995, 34, 10245-10255.	2.5	103
117	A novel antiporter activity catalyzing sodium and potassium transport from right-side-out vesicles ofE. coli. FEBS Letters, 1995, 363, 46-48.	2.8	4
118	Proton transfer in cytochrome bo3 ubiquinol oxidase of Escherichia coli: Second-site mutations in subunit I that restore proton pumping in the mutant Asp135.fwdarw.Asn. Biochemistry, 1995, 34, 4428-4433.	2.5	110
119	The histidine cycle: A new model for proton translocation in the respiratory heme-copper oxidases. Journal of Bioenergetics and Biomembranes, 1994, 26, 599-608.	2.3	131
120	Mechanism of proton translocation by the respiratory oxidases. The histidine cycle. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 106-111.	1.0	111
121	An alternative cytochrome oxidase of Paracoccus denitrificans functions as a proton pump. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1186, 100-106.	1.0	51
122	Intramolecular electron transfer in cytochrome o of Escherichia coli: events following the photolysis of fully and partially reduced carbon monoxide-bound forms of the bo3 and oo3 enzymes. Biochemistry, 1993, 32, 11413-11418.	2.5	39
123	Substitution of asparagine for aspartate-135 in subunit I of the cytochrome bo ubiquinol oxidase of Escherichia coli eliminates proton-pumping activity. Biochemistry, 1993, 32, 10923-10928.	2.5	203
124	Intramolecular electron transfer in cytochrome c oxidase: a cascade of equilibria. Biochemistry, 1992, 31, 11860-11863.	2.5	73
125	Oxygen activation and the conservation of energy in cell respiration. Nature, 1992, 356, 301-309.	27.8	1,194
126	Bacillus subtilis expresses two kinds of haemâ€Aâ€containing terminal oxidases. FEBS Journal, 1991, 197, 699-705.	0.2	104

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127	Catalytic intermediates. Nature, 1990, 348, 16-17.	27.8	25
128	Identification of the electron transfers in cytochrome oxidase that are coupled to proton-pumping. Nature, 1989, 338, 776-778.	27.8	312
129	Cytochromeo(bo) is a proton pump inParacoccus denitrificansandEscherichia coli. FEBS Letters, 1989, 249, 163-167.	2.8	212
130	Monomerization of cytochrome oxidase may be essential for the removal of subunit III. FEBS Journal, 1988, 176, 125-129.	0.2	14
131	Protonic sidedness of the binuclear iron-copper centre in cytochrome oxidase. FEBS Letters, 1988, 231, 247-252.	2.8	44
132	Evidence for a mobile semiquinone in the redox cycle of the mammalian cytochrome bc 1 complex. FEBS Letters, 1986, 194, 176-182.	2.8	40
133	Determination of the stoichiometry of redox-linked proton translocation from the kinetics of pulse experiments. FEBS Letters, 1986, 201, 198-204.	2.8	7
134	The semiquinone cycle. A hypothesis of electron transfer and proton translocation in cytochromebc-type complexes. Journal of Bioenergetics and Biomembranes, 1986, 18, 181-193.	2.3	61
135	The oxidation of exogenous cytochrome c by mitochondria. FEBS Letters, 1985, 183, 293-298.	2.8	56
136	Pumping of protons from the mitochondrial matrix by cytochrome oxidase. Nature, 1984, 308, 558-560.	27.8	80
137	Two protons are pumped from the mitochondrial matrix per electron transferred between NADH and ubiquinone. FEBS Letters, 1984, 169, 300-304.	2.8	229
138	The H+ /O ratio of proton translocation linked to the oxidation of succinate by mitochondria. FEBS Letters, 1984, 178, 187-192.	2.8	22
139	Activated polymorphonuclear leucocytes consume vitamin C. FEBS Letters, 1984, 178, 25-30.	2.8	85
140	Critical evaluation of the proton-translocating property of cytochrome oxidase in rat liver mitochondria. FEBS Letters, 1982, 144, 183-189.	2.8	38
141	Interaction of Ca2+ and H+ with heme A in cytochrome oxidase. Journal of Bioenergetics and Biomembranes, 1980, 12, 325-338.	2.3	38
142	Structure of bovine cytochrome oxidase. FEBS Letters, 1980, 114, 35-38.	2.8	18
143	Respiration-Linked H+ Translocation in Mitochondria: Stoichiometry and Mechanism. Current Topics in Bioenergetics, 1980, 10, 51-101.	2.7	110
144	Mechanism and Stoicheiometry of Redox-Linked Proton Translocation in Mitochondria. Biochemical Society Transactions, 1979, 7, 880-887.	3.4	8

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145	Proton-pumping cytochrome c oxidase. Biochimica Et Biophysica Acta - Reviews on Bioenergetics, 1979, 549, 177-222.	0.2	276
146	On the stoichiometry and thermodynamics of proton-pumping cytochrome c oxidase in mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1979, 548, 1-15.	1.0	40
147	The number of subunits in bovine cytochrome c oxidase. FEBS Letters, 1979, 101, 295-300.	2.8	35
148	Cytochrome c Oxidase is a proton pump. FEBS Letters, 1978, 91, 8-14.	2.8	75
149	The role of mitochondria in uterine contractions. FEBS Letters, 1975, 56, 120-123.	2.8	36