

Fevzi Daldal

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#	Paper	IF	Citations
148	Resistance mutations reveal the atovaquone-binding domain of cytochrome b in malaria parasites. <i>Molecular Microbiology</i> , 1999 , 33, 704-11	4.1	245
147	Reversible redox energy coupling in electron transfer chains. <i>Nature</i> , 2004 , 427, 607-12	50.4	231
146	Cytochrome bc1 complex [2Fe-2S] cluster and its interaction with ubiquinone and ubihydroquinone at the Qo site: a double-occupancy Qo site model. <i>Biochemistry</i> , 1992 , 31, 3144-58	3.2	192
145	X-Ray Structure of Rhodobacter Capsulatus Cytochrome bc (1): Comparison with its Mitochondrial and Chloroplast Counterparts. <i>Photosynthesis Research</i> , 2004 , 81, 251-75	3.7	174
144	Ubiquinone pair in the Qo site central to the primary energy conversion reactions of cytochrome bc1 complex. <i>Biochemistry</i> , 1995 , 34, 15979-96	3.2	165
143	Rhodobacter capsulatus contains a novel cb-type cytochrome c oxidase without a CuA center. <i>Biochemistry</i> , 1994 , 33, 3120-7	3.2	152
142	The bc1 complexes of Rhodobacter sphaeroides and Rhodobacter capsulatus. <i>Journal of Bioenergetics and Biomembranes</i> , 1993 , 25, 195-209	3.7	145
141	A compilation of mutations located in the cytochrome b subunit of the bacterial and mitochondrial bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996 , 1275, 61-9	4.6	141
140	Dre2, a conserved eukaryotic Fe/S cluster protein, functions in cytosolic Fe/S protein biogenesis. <i>Molecular and Cellular Biology</i> , 2008 , 28, 5569-82	4.8	126
139	Cytochrome c biogenesis: the Ccm system. <i>Trends in Microbiology</i> , 2010 , 18, 266-74	12.4	124
138	Potential ligands to the [2Fe-2S] Rieske cluster of the cytochrome bc1 complex of Rhodobacter capsulatus probed by site-directed mutagenesis. <i>Biochemistry</i> , 1992 , 31, 3342-51	3.2	121
137	Large scale domain movement in cytochrome bc(1): a new device for electron transfer in proteins. <i>Trends in Biochemical Sciences</i> , 2001 , 26, 445-51	10.3	120
136	A reductant-induced oxidation mechanism for complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998 , 1364, 245-57	4.6	118
135	Primary structure of the bc1 complex of Rhodopseudomonas capsulata. Nucleotide sequence of the pet operon encoding the Rieske cytochrome b, and cytochrome c1 apoproteins. <i>Journal of Molecular Biology</i> , 1987 , 195, 13-24	6.5	113
134	The RegB/RegA two-component regulatory system controls synthesis of photosynthesis and respiratory electron transfer components in Rhodobacter capsulatus. <i>Journal of Molecular Biology</i> , 2001 , 309, 121-38	6.5	94
133	Adaptation of aerobic respiration to low O2 environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14109-14	11.5	93
132	Hydroubiquinone-cytochrome c2 oxidoreductase from Rhodobacter capsulatus: definition of a minimal, functional isolated preparation. <i>Biochemistry</i> , 1993 , 32, 1310-7	3.2	88

131	Molecular cloning of the gene for phosphofructokinase-2 of Escherichia coli and the nature of a mutation, pfkB1, causing a high level of the enzyme. <i>Journal of Molecular Biology</i> , 1983 , 168, 285-305	6.5	86
130	Vibrio cholerae anaerobic induction of virulence gene expression is controlled by thiol-based switches of virulence regulator AphB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 810-5	11.5	85
129	Novel Rhodobacter capsulatus genes required for the biogenesis of various c-type cytochromes. <i>Molecular Microbiology</i> , 2000 , 35, 123-38	4.1	83
128	Requirement of histidine 217 for ubiquinone reductase activity (Qi site) in the cytochrome bc1 complex. <i>Biochemistry</i> , 1994 , 33, 723-33	3.2	82
127	Roles of the ccoGHIS gene products in the biogenesis of the cbb(3)-type cytochrome c oxidase. <i>Journal of Molecular Biology</i> , 2000 , 297, 49-65	6.5	79
126	Global analysis of the RNA-protein interaction and RNA secondary structure landscapes of the Arabidopsis nucleus. <i>Molecular Cell</i> , 2015 , 57, 376-88	17.6	78
125	Isolation of the structural genes for the Rieske Fe-S protein, cytochrome b and cytochrome c1 all components of the ubiquinol: cytochrome c2 oxidoreductase complex of Rhodopseudomonas capsulata. <i>Journal of Molecular Biology</i> , 1987 , 195, 1-12	6.5	74
124	Multi-step assembly pathway of the cbb3-type cytochrome c oxidase complex. <i>Journal of Molecular Biology</i> , 2006 , 355, 989-1004	6.5	72
123	Evolutionary domain fusion expanded the substrate specificity of the transmembrane electron transporter DsbD. <i>EMBO Journal</i> , 2002 , 21, 3960-9	13	72
122	Uncovering the molecular mode of action of the antimalarial drug atovaquone using a bacterial system. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27458-65	5.4	72
121	Biogenesis of cbb(3)-type cytochrome c oxidase in Rhodobacter capsulatus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 898-910	4.6	69
120	Photosynthetic electron transfer in the absence of cytochrome c2 in Rhodopseudomonas capsulata: cytochrome c2 is not essential for electron flow from the cytochrome bc1 complex to the photochemical reaction center. <i>Biochemistry</i> , 1986 , 25, 5208-5214	3.2	69
119	Isolation and characterization of Rhodobacter capsulatus mutants affected in cytochrome cbb3 oxidase activity. <i>Journal of Bacteriology</i> , 1998 , 180, 969-78	3.5	67
118	Probing the role of the Fe-S subunit hinge region during Q(o) site catalysis in Rhodobacter capsulatus bc(1) complex. <i>Biochemistry</i> , 2000 , 39, 15475-83	3.2	64
117	Roles of the soluble cytochrome c2 and membrane-associated cytochrome cy of Rhodobacter capsulatus in photosynthetic electron transfer. <i>Biochemistry</i> , 1994 , 33, 2496-502	3.2	62
116	Isolation and characterization of a two-subunit cytochrome b-c1 subcomplex from Rhodobacter capsulatus and reconstitution of its ubihydroquinone oxidation (Qo) site with purified Fe-S protein subunit. <i>Biochemistry</i> , 1998 , 37, 16242-51	3.2	61
115	Tellurite effects on Rhodobacter capsulatus cell viability and superoxide dismutase activity under oxidative stress conditions. <i>Research in Microbiology</i> , 2005 , 156, 807-13	4	59
114	Novel transporter required for biogenesis of cbb3-type cytochrome c oxidase in Rhodobacter capsulatus. <i>MBio</i> , 2012 , 3,	7.8	57

113	Membrane targeting of a folded and cofactor-containing protein. <i>FEBS Journal</i> , 2003 , 270, 1211-21		57
112	Binding dynamics at the quinone reduction (Qi) site influence the equilibrium interactions of the iron sulfur protein and hydroquinone oxidation (Qo) site of the cytochrome bc1 complex. <i>Biochemistry</i> , 2005 , 44, 10520-32	3.2	56
111	Mutagenesis of methionine-183 drastically affects the physicochemical properties of cytochrome c1 of the bc1 complex of <i>Rhodobacter capsulatus</i> . <i>Biochemistry</i> , 1992 , 31, 11864-73	3.2	55
110	Molecular mechanisms of superoxide production by complex III: a bacterial versus human mitochondrial comparative case study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 1332-9	4.6	52
109	Movement of the iron-sulfur subunit beyond the ef loop of cytochrome b is required for multiple turnovers of the bc1 complex but not for single turnover Qo site catalysis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3471-6	5.4	51
108	Intermonomer electron transfer between the low-potential b hemes of cytochrome bc ₁ . <i>Biochemistry</i> , 2011 , 50, 1651-63	3.2	49
107	<i>Rhodobacter capsulatus</i> mutants lacking the Rieske FeS protein form a stable cytochrome bc1 subcomplex with an intact quinone reduction site. <i>Biochemistry</i> , 1992 , 31, 3351-8	3.2	49
106	fbc operon, encoding the Rieske Fe-S protein cytochrome b, and cytochrome c1 apoproteins previously described from <i>Rhodopseudomonas sphaeroides</i> , is from <i>Rhodopseudomonas capsulata</i> . <i>Journal of Molecular Biology</i> , 1987 , 195, 25-9	6.5	49
105	The [2Fe-2S] cluster E(m) as an indicator of the iron-sulfur subunit position in the ubihydroquinone oxidation site of the cytochrome bc1 complex. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3464-70	5.4	48
104	Stability of the cbb3-type cytochrome oxidase requires specific CcoQ-CcoP interactions. <i>Journal of Bacteriology</i> , 2008 , 190, 5576-86	3.5	46
103	Mobile cytochrome c2 and membrane-anchored cytochrome cy are both efficient electron donors to the cbb3- and aa3-type cytochrome c oxidases during respiratory growth of <i>Rhodobacter sphaeroides</i> . <i>Journal of Bacteriology</i> , 2001 , 183, 2013-24	3.5	46
102	Cytochrome c biogenesis System I: an intricate process catalyzed by a maturase supercomplex?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 989-98	4.6	45
101	Nucleotide sequence of gene pfkB encoding the minor phosphofructokinase of <i>Escherichia coli</i> K-12. <i>Gene</i> , 1984 , 28, 337-42	3.8	45
100	Across membrane communication between the Q(o) and Q(i) active sites of cytochrome bc(1). <i>Biochemistry</i> , 2009 , 48, 1888-99	3.2	43
99	Proteolytic cleavage of the Fe-S subunit hinge region of <i>Rhodobacter capsulatus</i> bc(1) complex: effects of inhibitors and mutations. <i>Biochemistry</i> , 2000 , 39, 15484-92	3.2	42
98	Tyrosine 147 of cytochrome b is required for efficient electron transfer at the ubihydroquinone oxidase site (Qo) of the cytochrome bc1 complex. <i>Biochemistry</i> , 1995 , 34, 16004-12	3.2	42
97	The cytochrome b p.278Y>C mutation causative of a multisystem disorder enhances superoxide production and alters supramolecular interactions of respiratory chain complexes. <i>Human Molecular Genetics</i> , 2013 , 22, 2141-51	5.6	41
96	Conserved nonliganding residues of the <i>Rhodobacter capsulatus</i> Rieske iron-sulfur protein of the bc1 complex are essential for protein structure, properties of the [2Fe-2S] cluster, and communication with the quinone pool. <i>Biochemistry</i> , 1997 , 36, 11675-84	3.2	41

95	Protein-protein interactions between cytochrome b and the Fe-S protein subunits during QH2 oxidation and large-scale domain movement in the bc1 complex. <i>Biochemistry</i> , 2003 , 42, 1499-507	3-2	39
94	A Global View of RNA-Protein Interactions Identifies Post-transcriptional Regulators of Root Hair Cell Fate. <i>Developmental Cell</i> , 2017 , 41, 204-220.e5	10.2	38
93	Blood cells from Friedreich ataxia patients harbor frataxin deficiency without a loss of mitochondrial function. <i>Mitochondrion</i> , 2011 , 11, 342-50	4-9	38
92	The amino-terminal portion of the Rieske iron-sulfur protein contributes to the ubihydroquinone oxidation site catalysis of the Rhodobacter capsulatus bc1 complex. <i>Biochemistry</i> , 1997 , 36, 11685-96	3-2	38
91	The raised midpoint potential of the [2Fe2S] cluster of cytochrome bc1 is mediated by both the Qo site occupants and the head domain position of the Fe-S protein subunit. <i>Biochemistry</i> , 2004 , 43, 2217-22	3-2	38
90	The Cytochrome bc (1) Complex and its Homologue the b (6) F Complex: Similarities and Differences. <i>Photosynthesis Research</i> , 2004 , 79, 25-44	3-7	37
89	The cytochrome c maturation components CcmF, CcmH, and CcmI form a membrane-integral multisubunit heme ligation complex. <i>Journal of Biological Chemistry</i> , 2008 , 283, 29715-22	5-4	36
88	The role of molecular modeling in the design of analogues of the fungicidal natural products crocacins A and D. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 10345-55	3-4	36
87	Ornithine lipid is required for optimal steady-state amounts of c-type cytochromes in Rhodobacter capsulatus. <i>Molecular Microbiology</i> , 2006 , 61, 418-35	4-1	36
86	Intracytoplasmic copper homeostasis controls cytochrome c oxidase production. <i>MBio</i> , 2014 , 5, e01055-13	3-3	35
85	Loss of a conserved tyrosine residue of cytochrome b induces reactive oxygen species production by cytochrome bc1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18139-48	5-4	35
84	Compensatory thio-redox interactions between DsbA, CcdA and CcmG unveil the apocytochrome c holdase role of CcmG during cytochrome c maturation. <i>Molecular Microbiology</i> , 2008 , 70, 652-66	4-1	35
83	The dithiol:disulfide oxidoreductases DsbA and DsbB of Rhodobacter capsulatus are not directly involved in cytochrome c biogenesis, but their inactivation restores the cytochrome c biogenesis defect of CcdA-null mutants. <i>Journal of Bacteriology</i> , 2003 , 185, 3361-72	3-5	35
82	The ScoI homologue SenC is a copper binding protein that interacts directly with the cbbE-type cytochrome oxidase in Rhodobacter capsulatus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 2005-15	4-6	34
81	Demonstration of short-lived complexes of cytochrome c with cytochrome bc1 by EPR spectroscopy: implications for the mechanism of interprotein electron transfer. <i>Journal of Biological Chemistry</i> , 2008 , 283, 24826-36	5-4	34
80	Controlling the functionality of cytochrome c(1) redox potentials in the Rhodobacter capsulatus bc(1) complex through disulfide anchoring of a loop and a beta-branched amino acid near the heme-ligating methionine. <i>Biochemistry</i> , 2001 , 40, 14547-56	3-2	34
79	Cytochrome c2 mutants of Rhodobacter capsulatus. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 292, 419-26	4-1	34
78	Physiological electron donors to the photochemical reaction center of Rhodobacter capsulatus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 894, 370-8	4-6	34

77	Membrane-anchored cytochrome cy mediated microsecond time range electron transfer from the cytochrome bc1 complex to the reaction center in Rhodobacter capsulatus. <i>Biochemistry</i> , 1998 , 37, 5501-5510	3.2	33
76	Interactions between the cytochrome b, cytochrome c1, and Fe-S protein subunits at the ubihydroquinone oxidation site of the bc1 complex of Rhodobacter capsulatus. <i>Biochemistry</i> , 1998 , 37, 8105-14	3.2	32
75	Overproduction of CcmG and CcmFH(Rc) fully suppresses the c-type cytochrome biogenesis defect of Rhodobacter capsulatus CcmI-null mutants. <i>Journal of Bacteriology</i> , 2005 , 187, 4245-56	3.5	31
74	Rhodobacter capsulatus MT113: A single mutation results in the absence of c-type cytochromes and in the absence of the cytochrome bc1 complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 890, 292-301	4.6	31
73	Ubiquinone binding capacity of the Rhodobacter capsulatus cytochrome bc1 complex: effect of diphenylamine, a weak binding QO site inhibitor. <i>Biochemistry</i> , 1999 , 38, 3440-6	3.2	29
72	Ion pair formation between basic residues at 144 of the Cyt b polypeptide and the ubiquinones at the Qo site of the Cyt bc1 complex. <i>Biochemistry</i> , 1995 , 34, 15997-6003	3.2	29
71	The putative assembly factor CcoH is stably associated with the cbb3-type cytochrome oxidase. <i>Journal of Bacteriology</i> , 2010 , 192, 6378-89	3.5	27
70	The cbb3-Type Cytochrome c Oxidase from Rhodobacter capsulatus Contains a Unique Active Site. <i>Journal of the American Chemical Society</i> , 1995 , 117, 9363-9364	16.4	27
69	The role of c-type cytochromes in catalyzing oxidative and photosynthetic electron transport in the dual functional plasmamembrane of facultative phototrophs. <i>Archives of Microbiology</i> , 1993 , 160, 413-23	3.7	27
68	Cooperation between two periplasmic copper chaperones is required for full activity of the cbb3-type cytochrome c oxidase and copper homeostasis in Rhodobacter capsulatus. <i>Molecular Microbiology</i> , 2016 , 100, 345-61	4.1	27
67	Zinc inhibition of bacterial cytochrome bc(1) reveals the role of cytochrome b E295 in proton release at the Q(o) site. <i>Biochemistry</i> , 2011 , 50, 4263-72	3.2	26
66	Structure and function of the bacterial bc1 complex: domain movement, subunit interactions, and emerging rationale engineering attempts. <i>Journal of Bioenergetics and Biomembranes</i> , 1999 , 31, 275-88	3.7	26
65	A phosphoethanolamine-modified glycosyl diradylglycerol in the polar lipids of Clostridium tetani. <i>Journal of Lipid Research</i> , 2010 , 51, 1953-61	6.3	25
64	The role of the membrane bound cytochromes of b- and c-type in the electron transport chain of Rhodobacter capsulatus. <i>Archives of Microbiology</i> , 1992 , 157, 367-374	3	25
63	Copper transport and regulation in Schizosaccharomyces pombe. <i>Biochemical Society Transactions</i> , 2013 , 41, 1679-86	5.1	24
62	X-Ray absorption studies of Zn ²⁺ binding sites in bacterial, avian, and bovine cytochrome bc1 complexes. <i>Biophysical Journal</i> , 2007 , 93, 2934-51	2.9	23
61	Membrane-spanning and periplasmic segments of CcmI have distinct functions during cytochrome c Biogenesis in Rhodobacter capsulatus. <i>Journal of Bacteriology</i> , 2007 , 189, 789-800	3.5	23
60	Substitution of the sixth axial ligand of Rhodobacter capsulatus cytochrome c1 heme yields novel cytochrome c1 variants with unusual properties. <i>Biochemistry</i> , 1999 , 38, 7908-17	3.2	23

59	Cu Homeostasis in Bacteria: The Ins and Outs. <i>Membranes</i> , 2020 , 10,	3.8	23
58	Overproduction or absence of the periplasmic protease DegP severely compromises bacterial growth in the absence of the dithiol: disulfide oxidoreductase DsbA. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 875-90	7.6	22
57	petR, located upstream of the fbcFBC operon encoding the cytochrome bc1 complex, is homologous to bacterial response regulators and necessary for photosynthetic and respiratory growth of <i>Rhodobacter capsulatus</i> . <i>Molecular Microbiology</i> , 1992 , 6, 1645-54	4.1	22
56	An alteration in phosphofructokinase 2 of <i>Escherichia coli</i> which impairs gluconeogenic growth and improves growth on sugars. <i>FEBS Journal</i> , 1982 , 126, 373-9		21
55	CcmI subunit of CcmFHI heme ligation complex functions as an apocytochrome c chaperone during c-type cytochrome maturation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40452-63	5.4	20
54	Cytochrome bc1-cy fusion complexes reveal the distance constraints for functional electron transfer between photosynthesis components. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13973-82	5.4	20
53	Extracytoplasmic prosthetic group ligation to apoproteins: maturation of c-type cytochromes. <i>Molecular Microbiology</i> , 2006 , 60, 537-41	4.1	20
52	Cloning and expression of <i>Clostridium pasteurianum</i> galactokinase gene in <i>Escherichia coli</i> K-12 and nucleotide sequence analysis of a region affecting the amount of the enzyme. <i>Journal of Molecular Biology</i> , 1985 , 186, 533-45	6.5	20
51	sacB-5-Fluoroorotic acid-pyrE-based bidirectional selection for integration of unmarked alleles into the chromosome of <i>Rhodobacter capsulatus</i> . <i>Applied and Environmental Microbiology</i> , 2005 , 71, 3014-24	4.8	19
50	A Copper Relay System Involving Two Periplasmic Chaperones Drives cbb-Type Cytochrome c Oxidase Biogenesis in <i>Rhodobacter capsulatus</i> . <i>ACS Chemical Biology</i> , 2018 , 13, 1388-1397	4.9	18
49	Modifications of the lipoamide-containing mitochondrial subproteome in a yeast mutant defective in cysteine desulfurase. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1426-36	7.6	17
48	Overexpression of ccl1-2 can bypass the need for the putative apocytochrome chaperone Cych during the biogenesis of c-type cytochromes. <i>Molecular Microbiology</i> , 2002 , 46, 1069-80	4.1	17
47	Recent advances in cytochrome bc(1): inter monomer electronic communication?. <i>FEBS Letters</i> , 2012 , 586, 617-21	3.8	16
46	<i>Rhodobacter capsulatus</i> OlsA is a bifunctional enzyme active in both ornithine lipid and phosphatidic acid biosynthesis. <i>Journal of Bacteriology</i> , 2007 , 189, 8564-74	3.5	16
45	Widespread Distribution and Functional Specificity of the Copper Importer CcoA: Distinct Cu Uptake Routes for Bacterial Cytochrome Oxidases. <i>MBio</i> , 2018 , 9,	7.8	16
44	Non-inhibiting perturbation of the primary energy conversion site (Qo site) in <i>Rhodobacter capsulatus</i> ubihydroquinone: cytochrome c oxidoreductase (cytochrome bc1 complex). <i>FEBS Letters</i> , 1998 , 431, 423-6	3.8	15
43	Membrane-anchored cytochrome c as an electron carrier in photosynthesis and respiration: past, present and future of an unexpected discovery. <i>Photosynthesis Research</i> , 2003 , 76, 127-34	3.7	15
42	The membrane-bound cytochrome cy of <i>Rhodobacter capsulatus</i> can serve as an electron donor to the photosynthetic reaction of <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996 , 1273, 159-64	4.6	15

41	Electron-transfer supercomplexes in photosynthesis and respiration. <i>Trends in Microbiology</i> , 2000 , 8, 493-4	12.4	14
40	Uncovering the Transmembrane Metal Binding Site of the Novel Bacterial Major Facilitator Superfamily-Type Copper Importer CcoA. <i>MBio</i> , 2016 , 7, e01981-15	7.8	14
39	[6] Using Genetics to Explore Cytochrome Function and Structure in Rhodobacter. <i>Methods in Enzymology</i> , 1998 , 297, 81-94	1.7	13
38	Crystallization and preliminary analysis of crystals of cytochrome c2 from <i>Rhodospseudomonas capsulata</i> . <i>Journal of Molecular Biology</i> , 1987 , 195, 229-31	6.5	13
37	The thio-reduction component CcmG confers efficiency and the heme ligation component CcmH ensures stereo-specificity during cytochrome maturation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13154-13167	5.4	12
36	Spectroscopic and oxidation-reduction properties of <i>Rhodobacter capsulatus</i> cytochrome c1 and its M183K and M183H variants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002 , 1556, 175-86	4.6	12
35	Roles in inhibitor recognition and quinol oxidation of the amino acid side chains at positions of cyt b providing resistance to Qo-inhibitors of the bc1 complex from <i>Rhodobacter capsulatus</i> . <i>Molecular Microbiology</i> , 1993 , 9, 965-78	4.1	12
34	Missense mutations in cytochrome c maturation genes provide new insights into <i>Rhodobacter capsulatus</i> cbb3-type cytochrome c oxidase biogenesis. <i>Journal of Bacteriology</i> , 2013 , 195, 261-9	3.5	11
33	The heme chaperone ApoCcmE forms a ternary complex with CcmI and apocytochrome c. <i>Journal of Biological Chemistry</i> , 2013 , 288, 6272-83	5.4	11
32	The Cu chaperone CopZ is required for Cu homeostasis in <i>Rhodobacter capsulatus</i> and influences cytochrome cbb oxidase assembly. <i>Molecular Microbiology</i> , 2019 , 111, 764-783	4.1	11
31	Fine-tuning of the respiratory complexes stability and supercomplexes assembly in cells defective of complex III. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148133	4.6	10
30	Intermonomer electron transfer between the b hemes of heterodimeric cytochrome bc(1). <i>Biochemistry</i> , 2013 , 52, 7196-206	3.2	9
29	Engineering a prokaryotic apocytochrome c as an efficient substrate for <i>Saccharomyces cerevisiae</i> cytochrome c heme lyase. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 424, 130-5	3.4	9
28	Soluble variants of <i>Rhodobacter capsulatus</i> membrane-anchored cytochrome cy are efficient photosynthetic electron carriers. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13964-72	5.4	9
27	A functional hybrid between the cytochrome bc1 complex and its physiological membrane-anchored electron acceptor cytochrome cy in <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 346-52	4.6	9
26	Characterization of the pet operon of <i>Rhodospirillum rubrum</i> . <i>Photosynthesis Research</i> , 1992 , 32, 79-94	3.7	9
25	An engineered cytochrome b6c1 complex with a split cytochrome b is able to support photosynthetic growth of <i>Rhodobacter capsulatus</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 5365-72	3.5	9
24	The -type cytochrome oxidase assembly factor CcoG is a widely distributed cupric reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21166-21175	11.5	9

23	Cu Transport by the Extended Family of CcoA-like Transporters (CalT) in Proteobacteria. <i>Scientific Reports</i> , 2019 , 9, 1208	4.9	8
22	A glimpse into the proteome of phototrophic bacterium <i>Rhodobacter capsulatus</i> . <i>Advances in Experimental Medicine and Biology</i> , 2010 , 675, 179-209	3.6	8
21	Absence of Thiol-Disulfide Oxidoreductase DsbA Impairs -Type Cytochrome Oxidase Biogenesis in. <i>Frontiers in Microbiology</i> , 2017 , 8, 2576	5.7	7
20	Cryo-EM structures of engineered active bc-cbb type CIICIV super-complexes and electronic communication between the complexes. <i>Nature Communications</i> , 2021 , 12, 929	17.4	7
19	Complex II phosphorylation is triggered by unbalanced redox homeostasis in cells lacking complex III. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018 , 1859, 182-190	4.6	6
18	A robust genetic system for producing heterodimeric native and mutant cytochrome bc(1). <i>Biochemistry</i> , 2013 , 52, 7184-95	3.2	6
17	Role of acidic and aromatic amino acids in <i>Rhodobacter capsulatus</i> cytochrome c1. A site-directed mutagenesis study. <i>Biochemistry</i> , 2003 , 42, 8818-30	3.2	6
16	Comparative differential cuproproteomes of <i>Rhodobacter capsulatus</i> reveal novel copper homeostasis related proteins. <i>Metallomics</i> , 2020 , 12, 572-591	4.5	5
15	Isolation of mutants of <i>Clostridium pasteurianum</i> . <i>Archives of Microbiology</i> , 1985 , 142, 93-96	3	5
14	Biogenesis of c-type Cytochromes and Cytochrome Complexes. <i>Advances in Photosynthesis and Respiration</i> , 2009 , 407-423	1.7	5
13	Ultrafast photochemistry of the bc complex. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6807-6813	3.6	4
12	Biogenesis of Cytochrome c Complexes: From Insertion of Redox Cofactors to Assembly of Different Subunits. <i>Advances in Photosynthesis and Respiration</i> , 2016 , 527-554	1.7	4
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8	The K(C) channel in the cbb3-type respiratory oxygen reductase from <i>Rhodobacter capsulatus</i> is required for both chemical and pumped protons. <i>Journal of Bacteriology</i> , 2014 , 196, 1825-32	3.5	2
7	During Cytochrome c Maturation CcmI Chaperones the Class I Apocytochromes until the Formation of Their b-Type Cytochrome Intermediates. <i>Journal of Biological Chemistry</i> , 2015 , 290, 16989-7003	5.4	1
6	The cytochrome b lysine 329 residue is critical for ubihydroquinone oxidation and proton release at the Q site of bacterial cytochrome bc. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019 , 1860, 167-179	4.6	1

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