Fevzi Daldal

List of Publications by Year in Descending Order

148 papers	6,336 citations	46 h-index	72 g-index
156 ext. papers	6,777 ext. citations	5 avg, IF	5.42 L-index

#	Paper	IF	Citations
148	Cryo-EM structures of engineered active bc-cbb type CIIICIV super-complexes and electronic communication between the complexes. *Nature Communications*, **2021**, 12, 929	17.4	7
147	Cysteine Mutants of the Major Facilitator Superfamily-Type Transporter CcoA Provide Insight into Copper Import. *MBio*, **2021**, 12, e0156721	7.8	
146	Maturation of Multicopper Oxidase CutO Depends on the CopA Copper Efflux Pathway and Requires the Product. *Frontiers in Microbiology*, **2021**, 12, 720644	5.7	0
145	The CopA2-Type P-Type ATPase CcoI Serves as Central Hub for -Type Cytochrome Oxidase Biogenesis. *Frontiers in Microbiology*, **2021**, 12, 712465	5.7	
144	Comparative differential cuproproteomes of Rhodobacter capsulatus reveal novel copper homeostasis related proteins. *Metallomics*, **2020**, 12, 572-591	4.5	5
143	Fine-tuning of the respiratory complexes stability and supercomplexes assembly in cells defective of complex III. *Biochimica Et Biophysica Acta - Bioenergetics*, **2020**, 1861, 148133	4.6	10
142	Cu Homeostasis in Bacteria: The Ins and Outs. *Membranes*, **2020**, 10,	3.8	23
141	Cu Transport by the Extended Family of CcoA-like Transporters (CalT) in Proteobacteria. *Scientific Reports*, **2019**, 9, 1208	4.9	8
140	The -type cytochrome oxidase assembly factor CcoG is a widely distributed cupric reductase. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 21166-21175	11.5	9
139	The cytochrome b lysine 329 residue is critical for ubihydroquinone oxidation and proton release at the Q site of bacterial cytochrome bc. *Biochimica Et Biophysica Acta - Bioenergetics*, **2019**, 1860, 167-179	4.6	1
138	The Cu chaperone CopZ is required for Cu homeostasis in Rhodobacter capsulatus and influences cytochrome cbb oxidase assembly. *Molecular Microbiology*, **2019**, 111, 764-783	4.1	11
137	A Copper Relay System Involving Two Periplasmic Chaperones Drives cbb-Type Cytochrome c Oxidase Biogenesis in Rhodobacter capsulatus. *ACS Chemical Biology*, **2018**, 13, 1388-1397	4.9	18
136	Pseudomonas pseudoalcaligenes KF707 grown with biphenyl expresses a cytochrome caa oxidase that uses cytochrome c as electron donor. *FEBS Letters*, **2018**, 592, 901-915	3.8	2
135	Complex II phosphorylation is triggered by unbalanced redox homeostasis in cells lacking complex III. *Biochimica Et Biophysica Acta - Bioenergetics*, **2018**, 1859, 182-190	4.6	6
134	Widespread Distribution and Functional Specificity of the Copper Importer CcoA: Distinct Cu Uptake Routes for Bacterial Cytochrome Oxidases. *MBio*, **2018**, 9,	7.8	16
133	Ultrafast photochemistry of the bc complex. *Physical Chemistry Chemical Physics*, **2017**, 19, 6807-6813	3.6	4
132	A Global View of RNA-Protein Interactions Identifies Post-transcriptional Regulators of Root Hair Cell Fate. *Developmental Cell*, **2017**, 41, 204-220.e5	10.2	38

131	The thioreduction component CcmG confers efficiency and the heme ligation component CcmH ensures stereo-specificity during cytochrome maturation. *Journal of Biological Chemistry*, **2017**, 292, 13154-13167	5.4	12
130	Absence of Thiol-Disulfide Oxidoreductase DsbA Impairs -Type Cytochrome Oxidase Biogenesis in. *Frontiers in Microbiology*, **2017**, 8, 2576	5.7	7
129	Biogenesis of Cytochrome c Complexes: From Insertion of Redox Cofactors to Assembly of Different Subunits. *Advances in Photosynthesis and Respiration*, **2016**, 527-554	1.7	4
128	Uncovering the Transmembrane Metal Binding Site of the Novel Bacterial Major Facilitator Superfamily-Type Copper Importer CcoA. *MBio*, **2016**, 7, e01981-15	7.8	14
127	Cooperation between two periplasmic copper chaperones is required for full activity of the cbb3 -type cytochrome c oxidase and copper homeostasis in Rhodobacter capsulatus. *Molecular Microbiology*, **2016**, 100, 345-61	4.1	27
126	The cytochrome b Zn binding amino acid residue histidine 291 is essential for ubihydroquinone oxidation at the Q site of bacterial cytochrome bc. *Biochimica Et Biophysica Acta - Bioenergetics*, **2016**, 1857, 1796-1806	4.6	3
125	During Cytochrome c Maturation CcmI Chaperones the Class I Apocytochromes until the Formation of Their b-Type Cytochrome Intermediates. *Journal of Biological Chemistry*, **2015**, 290, 16989-7003	5.4	1
124	Global analysis of the RNA-protein interaction and RNA secondary structure landscapes of the Arabidopsis nucleus. *Molecular Cell*, **2015**, 57, 376-88	17.6	78
123	The K(C) channel in the cbb3-type respiratory oxygen reductase from Rhodobacter capsulatus is required for both chemical and pumped protons. *Journal of Bacteriology*, **2014**, 196, 1825-32	3.5	2
122	Intracytoplasmic copper homeostasis controls cytochrome c oxidase production. *MBio*, **2014**, 5, e01055-13	7.8	35
121	Cytochrome c biogenesis System I: an intricate process catalyzed by a maturase supercomplex?. *Biochimica Et Biophysica Acta - Bioenergetics*, **2014**, 1837, 989-98	4.6	45
120	A robust genetic system for producing heterodimeric native and mutant cytochrome bc(1). *Biochemistry*, **2013**, 52, 7184-95	3.2	6
119	Intermonomer electron transfer between the b hemes of heterodimeric cytochrome bc(1). *Biochemistry*, **2013**, 52, 7196-206	3.2	9
118	The cytochrome b p.278Y>C mutation causative of a multisystem disorder enhances superoxide production and alters supramolecular interactions of respiratory chain complexes. *Human Molecular Genetics*, **2013**, 22, 2141-51	5.6	41
117	Missense mutations in cytochrome c maturation genes provide new insights into Rhodobacter capsulatus cbb3-type cytochrome c oxidase biogenesis. *Journal of Bacteriology*, **2013**, 195, 261-9	3.5	11
116	Molecular mechanisms of superoxide production by complex III: a bacterial versus human mitochondrial comparative case study. *Biochimica Et Biophysica Acta - Bioenergetics*, **2013**, 1827, 1332-9	4.6	52
115	Copper transport and regulation in Schizosaccharomyces pombe. *Biochemical Society Transactions*, **2013**, 41, 1679-86	5.1	24
114	The heme chaperone ApoCcmE forms a ternary complex with CcmI and apocytochrome c. *Journal of Biological Chemistry*, **2013**, 288, 6272-83	5.4	11

113	Biogenesis of cbb(3)-type cytochrome c oxidase in Rhodobacter capsulatus. *Biochimica Et Biophysica Acta - Bioenergetics*, **2012**, 1817, 898-910	4.6	69
112	The ScoI homologue SenC is a copper binding protein that interacts directly with the cbb□type cytochrome oxidase in Rhodobacter capsulatus. *Biochimica Et Biophysica Acta - Bioenergetics*, **2012**, 1817, 2005-15	4.6	34
111	Novel transporter required for biogenesis of cbb3-type cytochrome c oxidase in Rhodobacter capsulatus. *MBio*, **2012**, 3,	7.8	57
110	Engineering a prokaryotic apocytochrome c as an efficient substrate for Saccharomyces cerevisiae cytochrome c heme lyase. *Biochemical and Biophysical Research Communications*, **2012**, 424, 130-5	3.4	9
109	Recent advances in cytochrome bc(1): inter monomer electronic communication?. *FEBS Letters*, **2012**, 586, 617-21	3.8	16
108	Intermonomer electron transfer between the low-potential b hemes of cytochrome bc□ *Biochemistry*, **2011**, 50, 1651-63	3.2	49
107	Zinc inhibition of bacterial cytochrome bc(1) reveals the role of cytochrome b E295 in proton release at the Q(o) site. *Biochemistry*, **2011**, 50, 4263-72	3.2	26
106	Blood cells from Friedreich ataxia patients harbor frataxin deficiency without a loss of mitochondrial function. *Mitochondrion*, **2011**, 11, 342-50	4.9	38
105	Loss of a conserved tyrosine residue of cytochrome b induces reactive oxygen species production by cytochrome bc1. *Journal of Biological Chemistry*, **2011**, 286, 18139-48	5.4	35
104	CcmI subunit of CcmFHI heme ligation complex functions as an apocytochrome c chaperone during c-type cytochrome maturation. *Journal of Biological Chemistry*, **2011**, 286, 40452-63	5.4	20
103	Vibrio cholerae anaerobic induction of virulence gene expression is controlled by thiol-based switches of virulence regulator AphB. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 810-5	11.5	85
102	Adaptation of aerobic respiration to low O2 environments. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14109-14	11.5	93
101	A phosphoethanolamine-modified glycosyl diradylglycerol in the polar lipids of Clostridium tetani. *Journal of Lipid Research*, **2010**, 51, 1953-61	6.3	25
100	Cytochrome c biogenesis: the Ccm system. *Trends in Microbiology*, **2010**, 18, 266-74	12.4	124
99	The putative assembly factor CcoH is stably associated with the cbb3-type cytochrome oxidase. *Journal of Bacteriology*, **2010**, 192, 6378-89	3.5	27
98	A glimpse into the proteome of phototrophic bacterium Rhodobacter capsulatus. *Advances in Experimental Medicine and Biology*, **2010**, 675, 179-209	3.6	8
97	Across membrane communication between the Q(o) and Q(i) active sites of cytochrome bc(1). *Biochemistry*, **2009**, 48, 1888-99	3.2	43
96	Biogenesis of c-type Cytochromes and Cytochrome Complexes. *Advances in Photosynthesis and Respiration*, **2009**, 407-423	1.7	5

95	Structural and Mutational Studies of the Cytochrome bc1 Complex. *Advances in Photosynthesis and Respiration*, **2009**, 425-450	1.7	4
94	Compensatory thio-redox interactions between DsbA, CcdA and CcmG unveil the apocytochrome c holdase role of CcmG during cytochrome c maturation. *Molecular Microbiology*, **2008**, 70, 652-66	4.1	35
93	Stability of the cbb3-type cytochrome oxidase requires specific CcoQ-CcoP interactions. *Journal of Bacteriology*, **2008**, 190, 5576-86	3.5	46
92	Soluble variants of Rhodobacter capsulatus membrane-anchored cytochrome cy are efficient photosynthetic electron carriers. *Journal of Biological Chemistry*, **2008**, 283, 13964-72	5.4	9
91	Dre2, a conserved eukaryotic Fe/S cluster protein, functions in cytosolic Fe/S protein biogenesis. *Molecular and Cellular Biology*, **2008**, 28, 5569-82	4.8	126
90	Cytochrome bc1-cy fusion complexes reveal the distance constraints for functional electron transfer between photosynthesis components. *Journal of Biological Chemistry*, **2008**, 283, 13973-82	5.4	20
89	Demonstration of short-lived complexes of cytochrome c with cytochrome bc1 by EPR spectroscopy: implications for the mechanism of interprotein electron transfer. *Journal of Biological Chemistry*, **2008**, 283, 24826-36	5.4	34
88	The cytochrome c maturation components CcmF, CcmH, and CcmI form a membrane-integral multisubunit heme ligation complex. *Journal of Biological Chemistry*, **2008**, 283, 29715-22	5.4	36
87	Overproduction or absence of the periplasmic protease DegP severely compromises bacterial growth in the absence of the dithiol: disulfide oxidoreductase DsbA. *Molecular and Cellular Proteomics*, **2008**, 7, 875-90	7.6	22
86	The role of molecular modeling in the design of analogues of the fungicidal natural products crocacins A and D. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 10345-55	3.4	36
85	X-Ray absorption studies of Zn2+ binding sites in bacterial, avian, and bovine cytochrome bc1 complexes. *Biophysical Journal*, **2007**, 93, 2934-51	2.9	23
84	Membrane-spanning and periplasmic segments of CcmI have distinct functions during cytochrome c Biogenesis in Rhodobacter capsulatus. *Journal of Bacteriology*, **2007**, 189, 789-800	3.5	23
83	Rhodobacter capsulatus OlsA is a bifunctional enzyme active in both ornithine lipid and phosphatidic acid biosynthesis. *Journal of Bacteriology*, **2007**, 189, 8564-74	3.5	16
82	Modifications of the lipoamide-containing mitochondrial subproteome in a yeast mutant defective in cysteine desulfurase. *Molecular and Cellular Proteomics*, **2006**, 5, 1426-36	7.6	17
81	A functional hybrid between the cytochrome bc1 complex and its physiological membrane-anchored electron acceptor cytochrome cy in Rhodobacter capsulatus. *Biochimica Et Biophysica Acta - Bioenergetics*, **2006**, 1757, 346-52	4.6	9
80	Multi-step assembly pathway of the cbb3-type cytochrome c oxidase complex. *Journal of Molecular Biology*, **2006**, 355, 989-1004	6.5	72
79	Extracytoplasmic prosthetic group ligation to apoproteins: maturation of c-type cytochromes. *Molecular Microbiology*, **2006**, 60, 537-41	4.1	20
78	Ornithine lipid is required for optimal steady-state amounts of c-type cytochromes in Rhodobacter capsulatus. *Molecular Microbiology*, **2006**, 61, 418-35	4.1	36

77	Mitochondrial Proteome from Human Peripheral Blood Cells.. *Blood*, **2006**, 108, 4193-4193	2.2	
76	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. *Biochemistry*, **2005**, 44, 10520-32	3.2	56
75	Tellurite effects on Rhodobacter capsulatus cell viability and superoxide dismutase activity under oxidative stress conditions. *Research in Microbiology*, **2005**, 156, 807-13	4	59
74	Overproduction of CcmG and CcmFH(Rc) fully suppresses the c-type cytochrome biogenesis defect of Rhodobacter capsulatus CcmI-null mutants. *Journal of Bacteriology*, **2005**, 187, 4245-56	3.5	31
73	sacB-5-Fluoroorotic acid-pyrE-based bidirectional selection for integration of unmarked alleles into the chromosome of Rhodobacter capsulatus. *Applied and Environmental Microbiology*, **2005**, 71, 3014-24	4.8	19
72	Uncovering the molecular mode of action of the antimalarial drug atovaquone using a bacterial system. *Journal of Biological Chemistry*, **2005**, 280, 27458-65	5.4	72
71	Membrane-anchored cytochrome c as an electron carrier in photosynthesis and respiration: past, present and future of an unexpected discovery **2005**, 471-478		
70	Reversible redox energy coupling in electron transfer chains. *Nature*, **2004**, 427, 607-12	50.4	231
69	The Cytochrome bc (1) Complex and its Homologue the b (6) f Complex: Similarities and Differences. *Photosynthesis Research*, **2004**, 79, 25-44	3.7	37
68	X-Ray Structure of Rhodobacter Capsulatus Cytochrome bc (1): Comparison with its Mitochondrial and Chloroplast Counterparts. *Photosynthesis Research*, **2004**, 81, 251-75	3.7	174
67	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. *Biochemistry*, **2004**, 43, 2217-27	3.2	38
66	Membrane-anchored cytochrome c as an electron carrier in photosynthesis and respiration: past, present and future of an unexpected discovery. *Photosynthesis Research*, **2003**, 76, 127-34	3.7	15
65	Membrane targeting of a folded and cofactor-containing protein. *FEBS Journal*, **2003**, 270, 1211-21		57
64	Protein-protein interactions between cytochrome b and the Fe-S protein subunits during QH2 oxidation and large-scale domain movement in the bc1 complex. *Biochemistry*, **2003**, 42, 1499-507	3.2	39
63	Role of acidic and aromatic amino acids in Rhodobacter capsulatus cytochrome c1. A site-directed mutagenesis study. *Biochemistry*, **2003**, 42, 8818-30	3.2	6
62	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. *Journal of Bacteriology*, **2003**, 185, 3361-72	3.5	35
61	Overexpression of ccl1-2 can bypass the need for the putative apocytochrome chaperone CycH during the biogenesis of c-type cytochromes. *Molecular Microbiology*, **2002**, 46, 1069-80	4.1	17
60	Evolutionary domain fusion expanded the substrate specificity of the transmembrane electron transporter DsbD. *EMBO Journal*, **2002**, 21, 3960-9	13	72

59	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. *Journal of Biological Chemistry*, **2002**, 277, 3464-70	5.4	48
58	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. *Journal of Biological Chemistry*, **2002**, 277, 3471-6	5.4	51
57	Spectroscopic and oxidation-reduction properties of Rhodobacter capsulatus cytochrome c1 and its M183K and M183H variants. *Biochimica Et Biophysica Acta - Bioenergetics*, **2002**, 1556, 175-86	4.6	12
56	Large scale domain movement in cytochrome bc(1): a new device for electron transfer in proteins. *Trends in Biochemical Sciences*, **2001**, 26, 445-51	10.3	120
55	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 Rhodobacter sphaeroides. *Journal of Bacteriology*, **2001**, 183, 2013-24	3.5	46
54	The RegB/RegA two-component regulatory system controls synthesis of photosynthesis and respiratory electron transfer components in Rhodobacter capsulatus. *Journal of Molecular Biology*, **2001**, 309, 121-38	6.5	94
53	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. *Biochemistry*, **2001**, 40, 14547-56	3.2	34
52	Novel Rhodobacter capsulatus genes required for the biogenesis of various c-type cytochromes. *Molecular Microbiology*, **2000**, 35, 123-38	4.1	83
51	Roles of the ccoGHIS gene products in the biogenesis of the cbb(3)-type cytochrome c oxidase. *Journal of Molecular Biology*, **2000**, 297, 49-65	6.5	79
50	Electron-transfer supercomplexes in photosynthesis and respiration. *Trends in Microbiology*, **2000**, 8, 493-4	12.4	14
49	Probing the role of the Fe-S subunit hinge region during Q(o) site catalysis in Rhodobacter capsulatus bc(1) complex. *Biochemistry*, **2000**, 39, 15475-83	3.2	64
48	Proteolytic cleavage of the Fe-S subunit hinge region of Rhodobacter capsulatus bc(1) complex: effects of inhibitors and mutations. *Biochemistry*, **2000**, 39, 15484-92	3.2	42
47	Resistance mutations reveal the atovaquone-binding domain of cytochrome b in malaria parasites. *Molecular Microbiology*, **1999**, 33, 704-11	4.1	245
46	Structure and function of the bacterial bc1 complex: domain movement, subunit interactions, and emerging rationale engineering attempts. *Journal of Bioenergetics and Biomembranes*, **1999**, 31, 275-88	3.7	26
45	Ubiquinone binding capacity of the Rhodobacter capsulatus cytochrome bc1 complex: effect of diphenylamine, a weak binding QO site inhibitor. *Biochemistry*, **1999**, 38, 3440-6	3.2	29
44	Substitution of the sixth axial ligand of Rhodobacter capsulatus cytochrome c1 heme yields novel cytochrome c1 variants with unusual properties. *Biochemistry*, **1999**, 38, 7908-17	3.2	23
43	An engineered cytochrome b6c1 complex with a split cytochrome b is able to support photosynthetic growth of Rhodobacter capsulatus. *Journal of Bacteriology*, **1999**, 181, 5365-72	3.5	9
42	A reductant-induced oxidation mechanism for complex I. *Biochimica Et Biophysica Acta - Bioenergetics*, **1998**, 1364, 245-57	4.6	118

41	Non-inhibiting perturbation of the primary energy conversion site (Qo site) in Rhodobacter capsulatus ubihydroquinone: cytochrome c oxidoreductase (cytochrome bc1 complex). *FEBS Letters* , **1998**, 431, 423-6	3.8	15
40	Membrane-anchored cytochrome cy mediated microsecond time range electron transfer from the cytochrome bc1 complex to the reaction center in Rhodobacter capsulatus. *Biochemistry*, **1998**, 37, 5501-10	3.2	33
39	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. *Biochemistry*, **1998**, 37, 16242-51	3.2	61
38	Interactions between the cytochrome b, cytochrome c1, and Fe-S protein subunits at the ubihydroquinone oxidation site of the bc1 complex of Rhodobacter capsulatus. *Biochemistry*, **1998**, 37, 8105-14	3.2	32
37	[6] Using Genetics to Explore Cytochrome Function and Structure in Rhodobacter. *Methods in Enzymology*, **1998**, 297, 81-94	1.7	13
36	Isolation and characterization of Rhodobacter capsulatus mutants affected in cytochrome cbb3 oxidase activity. *Journal of Bacteriology*, **1998**, 180, 969-78	3.5	67
35	Conserved nonliganding residues of the Rhodobacter capsulatus 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. *Biochemistry*, **1997**, 36, 11675-84	3.2	41
34	The amino-terminal portion of the Rieske iron-sulfur protein contributes to the ubihydroquinone oxidation site catalysis of the Rhodobacter capsulatus bc1 complex. *Biochemistry*, **1997**, 36, 11685-96	3.2	38
33	The membrane-bound cytochrome cy of Rhodobacter capsulatus can serve as an electron donor to the photosynthetic reaction of Rhodobacter sphaeroides. *Biochimica Et Biophysica Acta - Bioenergetics*, **1996**, 1273, 159-64	4.6	15
32	A compilation of mutations located in the cytochrome b subunit of the bacterial and mitochondrial bc1 complex. *Biochimica Et Biophysica Acta - Bioenergetics*, **1996**, 1275, 61-9	4.6	141
31	Ubiquinone pair in the Qo site central to the primary energy conversion reactions of cytochrome bc1 complex. *Biochemistry*, **1995**, 34, 15979-96	3.2	165
30	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. *Biochemistry*, **1995**, 34, 15997-6003	3.2	29
29	Tyrosine 147 of cytochrome b is required for efficient electron transfer at the ubihydroquinone oxidase site (Qo) of the cytochrome bc1 complex. *Biochemistry*, **1995**, 34, 16004-12	3.2	42
28	The cbb3-Type Cytochrome c Oxidase from Rhodobacter capsulatus Contains a Unique Active Site. *Journal of the American Chemical Society*, **1995**, 117, 9363-9364	16.4	27
27	Rhodobacter capsulatus contains a novel cb-type cytochrome c oxidase without a CuA center. *Biochemistry*, **1994**, 33, 3120-7	3.2	152
26	Roles of the soluble cytochrome c2 and membrane-associated cytochrome cy of Rhodobacter capsulatus in photosynthetic electron transfer. *Biochemistry*, **1994**, 33, 2496-502	3.2	62
25	Requirement of histidine 217 for ubiquinone reductase activity (Qi site) in the cytochrome bc1 complex. *Biochemistry*, **1994**, 33, 723-33	3.2	82
24	Hydroubiquinone-cytochrome c2 oxidoreductase from Rhodobacter capsulatus: definition of a minimal, functional isolated preparation. *Biochemistry*, **1993**, 32, 1310-7	3.2	88

23	The role of c-type cytochromes in catalyzing oxidative and photosynthetic electron transport in the dual functional plasmamembrane of facultative phototrophs. *Archives of Microbiology*, **1993**, 160, 413-23	3	27
22	The bc1 complexes of Rhodobacter sphaeroides and Rhodobacter capsulatus. *Journal of Bioenergetics and Biomembranes*, **1993**, 25, 195-209	3.7	145
21	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 Rhodobacter capsulatus. *Molecular Microbiology*, **1993**, 9, 965-78	4.1	12
20	Mutagenesis of methionine-183 drastically affects the physicochemical properties of cytochrome c1 of the bc1 complex of Rhodobacter capsulatus. *Biochemistry*, **1992**, 31, 11864-73	3.2	55
19	Cytochrome bc1 complex [2Fe-2S] cluster and its interaction with ubiquinone and ubihydroquinone at the Qo site: a double-occupancy Qo site model. *Biochemistry*, **1992**, 31, 3144-58	3.2	192
18	Potential ligands to the [2Fe-2S] Rieske cluster of the cytochrome bc1 complex of Rhodobacter capsulatus probed by site-directed mutagenesis. *Biochemistry*, **1992**, 31, 3342-51	3.2	121
17	Rhodobacter capsulatus mutants lacking the Rieske FeS protein form a stable cytochrome bc1 subcomplex with an intact quinone reduction site. *Biochemistry*, **1992**, 31, 3351-8	3.2	49
16	Cytochrome c2 mutants of Rhodobacter capsulatus. *Archives of Biochemistry and Biophysics*, **1992**, 292, 419-26	4.1	34
15	The role of the membrane bound cytochromes of b- and c-type in the electron transport chain of Rhodobacter capsulatus. *Archives of Microbiology*, **1992**, 157, 367-374	3	25
14	Characterization of the pet operon of Rhodospirillum rubrum. *Photosynthesis Research*, **1992**, 32, 79-94	3.7	9
13	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 Rhodobacter capsulatus. *Molecular Microbiology*, **1992**, 6, 1645-54	4.1	22
12	Physiological electron donors to the photochemical reaction center of Rhodobacter capsulatus. *Biochimica Et Biophysica Acta - Bioenergetics*, **1987**, 894, 370-8	4.6	34
11	Rhodobacter capsulatus MT113: A single mutation results in the absence of c-type cytochromes and in the absence of the cytochrome bc1 complex. *Biochimica Et Biophysica Acta - Bioenergetics*, **1987**, 890, 292-301	4.6	31
10	fbc operon, encoding the Rieske Fe-S protein cytochrome b, and cytochrome c1 apoproteins previously described from Rhodopseudomonas sphaeroides, is from Rhodopseudomonas capsulata. *Journal of Molecular Biology*, **1987**, 195, 25-9	6.5	49
9	Primary structure of the bc1 complex of Rhodopseudomonas capsulata. Nucleotide sequence of the pet operon encoding the Rieske cytochrome b, and cytochrome c1 apoproteins. *Journal of Molecular Biology*, **1987**, 195, 13-24	6.5	113
8	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. *Journal of Molecular Biology*, **1987**, 195, 1-12	6.5	74
7	Crystallization and preliminary analysis of crystals of cytochrome c2 from Rhodopseudomonas capsulata. *Journal of Molecular Biology*, **1987**, 195, 229-31	6.5	13
6	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. *Biochemistry*, **1986**, 25, 5208-5214	3.2	69

5	Isolation of mutants of Clostridium pasteurianum. *Archives of Microbiology*, **1985**, 142, 93-96	3	5
4	Cloning and expression of Clostridium pasteurianum galactokinase gene in Escherichia coli K-12 and nucleotide sequence analysis of a region affecting the amount of the enzyme. *Journal of Molecular Biology*, **1985**, 186, 533-45	6.5	20
3	Nucleotide sequence of gene pfkB encoding the minor phosphofructokinase of Escherichia coli K-12. *Gene*, **1984**, 28, 337-42	3.8	45
2	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. *Journal of Molecular Biology*, **1983**, 168, 285-305	6.5	86
1	An alteration in phosphofructokinase 2 of Escherichia coli which impairs gluconeogenic growth and improves growth on sugars. *FEBS Journal*, **1982**, 126, 373-9		21