

Fevzi Daldal

List of Publications by Year in descending order

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docs citations

156
times ranked

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#	ARTICLE	IF	CITATIONS
1	Resistance mutations reveal the atovaquone-binding domain of cytochrome b in malaria parasites. <i>Molecular Microbiology</i> , 1999, 33, 704-711.	2.5	291
2	Reversible redox energy coupling in electron transfer chains. <i>Nature</i> , 2004, 427, 607-612.	27.8	254
3	Cytochrome bc ₁ complex [2Fe-2S] cluster and its interaction with ubiquinone and ubihydroquinone at the Q _o site: a double-occupancy Q _o site model. <i>Biochemistry</i> , 1992, 31, 3144-3158.	2.5	207
4	X-Ray Structure of <i>Rhodobacter Capsulatus</i> Cytochrome bc ₁ : Comparison with its Mitochondrial and Chloroplast Counterparts. <i>Photosynthesis Research</i> , 2004, 81, 251-275.	2.9	191
5	Ubiquinone Pair in the Q _o Site Central to the Primary Energy Conversion Reactions of Cytochrome bc ₁ Complex. <i>Biochemistry</i> , 1995, 34, 15979-15996.	2.5	173
6	Cytochrome c biogenesis: the Ccm system. <i>Trends in Microbiology</i> , 2010, 18, 266-274.	7.7	166
7	<i>Rhodobacter capsulatus</i> Contains a Novel cb-Type Cytochrome c Oxidase without a CuA Center. <i>Biochemistry</i> , 1994, 33, 3120-3127.	2.5	160
8	A compilation of mutations located in the cytochrome b subunit of the bacterial and mitochondrial bc ₁ complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 61-69.	1.0	159
9	Thebc ₁ complexes of <i>Rhodobacter sphaeroides</i> and <i>Rhodobacter capsulatus</i> . <i>Journal of Bioenergetics and Biomembranes</i> , 1993, 25, 195-209.	2.3	152
10	Dre2, a Conserved Eukaryotic Fe/S Cluster Protein, Functions in Cytosolic Fe/S Protein Biogenesis. <i>Molecular and Cellular Biology</i> , 2008, 28, 5569-5582.	2.3	145
11	Large scale domain movement in cytochrome bc ₁ : a new device for electron transfer in proteins. <i>Trends in Biochemical Sciences</i> , 2001, 26, 445-451.	7.5	133
12	A reductant-induced oxidation mechanism for Complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998, 1364, 245-257.	1.0	130
13	Potential ligands to the [2Fe-2S] Rieske cluster of the cytochrome bc ₁ complex of <i>Rhodobacter capsulatus</i> probed by site-directed mutagenesis. <i>Biochemistry</i> , 1992, 31, 3342-3351.	2.5	127
14	Primary structure of the bc ₁ complex of <i>Rhodopseudomonas capsulata</i> . <i>Journal of Molecular Biology</i> , 1987, 195, 13-24.	4.2	119
15	Adaptation of aerobic respiration to low O ₂ environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14109-14114.	7.1	119
16	Global Analysis of the RNA-Protein Interaction and RNA Secondary Structure Landscapes of the <i>Arabidopsis</i> Nucleus. <i>Molecular Cell</i> , 2015, 57, 376-388.	9.7	105
17	<i>Vibrio cholerae</i> 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, 810-815.	7.1	104
18	The RegB/RegA two-component regulatory system controls synthesis of photosynthesis and respiratory electron transfer components in <i>Rhodobacter capsulatus</i> . <i>Journal of Molecular Biology</i> , 2001, 309, 121-138.	4.2	99

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19	Hydroubiquinone-cytochrome c2 oxidoreductase from <i>Rhodobacter capsulatus</i> : Definition of a minimal, functional isolated preparation. <i>Biochemistry</i> , 1993, 32, 1310-1317.	2.5	93
20	Molecular cloning of the gene for phosphofructokinase-2 of <i>Escherichia coli</i> and the nature of a mutation, <i>pfkB1</i> , causing a high level of the enzyme. <i>Journal of Molecular Biology</i> , 1983, 168, 285-305.	4.2	92
21	Requirement of histidine 217 for ubiquinone reductase activity (Q _i site) in the cytochrome bc ₁ complex. <i>Biochemistry</i> , 1994, 33, 723-733.	2.5	91
22	Novel <i>Rhodobacter capsulatus</i> genes required for the biogenesis of various c-type cytochromes. <i>Molecular Microbiology</i> , 2000, 35, 123-138.	2.5	88
23	Roles of the <i>ccoGHIS</i> gene products in the biogenesis of the <i>cbb3</i> -type cytochrome c oxidase. <i>Journal of Molecular Biology</i> , 2000, 297, 49-65.	4.2	88
24	Multi-step Assembly Pathway of the <i>cbb3</i> -type Cytochrome c Oxidase Complex. <i>Journal of Molecular Biology</i> , 2006, 355, 989-1004.	4.2	85
25	Biogenesis of <i>cbb3</i> -type cytochrome c oxidase in <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 898-910.	1.0	85
26	Isolation of the structural genes for the Rieske Fe ^{II} -S protein, cytochrome b and cytochrome c1 all components of the ubiquinol: Cytochrome c2 oxidoreductase complex of <i>Rhodopseudomonas capsulata</i> . <i>Journal of Molecular Biology</i> , 1987, 195, 1-12.	4.2	84
27	Uncovering the Molecular Mode of Action of the Antimalarial Drug Atovaquone Using a Bacterial System. <i>Journal of Biological Chemistry</i> , 2005, 280, 27458-27465.	3.4	83
28	Evolutionary domain fusion expanded the substrate specificity of the transmembrane electron transporter DsbD. <i>EMBO Journal</i> , 2002, 21, 3960-3969.	7.8	78
29	Novel Transporter Required for Biogenesis of <i>cbb3</i> -Type Cytochrome c Oxidase in <i>Rhodobacter capsulatus</i> . <i>MBio</i> , 2012, 3, .	4.1	75
30	Photosynthetic electron transfer in the absence of cytochrome c2 in <i>Rhodopseudomonas capsulata</i> : cytochrome c2 is not essential for electron flow from the cytochrome bc ₁ complex to the photochemical reaction center. <i>Biochemistry</i> , 1986, 25, 5208-5214.	2.5	72
31	Tellurite effects on <i>Rhodobacter capsulatus</i> cell viability and superoxide dismutase activity under oxidative stress conditions. <i>Research in Microbiology</i> , 2005, 156, 807-813.	2.1	72
32	Isolation and Characterization of <i>Rhodobacter capsulatus</i> Mutants Affected in Cytochrome <i>cbb3</i> Oxidase Activity. <i>Journal of Bacteriology</i> , 1998, 180, 969-978.	2.2	72
33	Roles of the Soluble Cytochrome c2 and Membrane-Associated Cytochrome cy of <i>Rhodobacter capsulatus</i> in Photosynthetic Electron Transfer. <i>Biochemistry</i> , 1994, 33, 2496-2502.	2.5	65
34	Isolation and Characterization of a Two-Subunit Cytochrome b ₆ c ₁ Subcomplex from <i>Rhodobacter capsulatus</i> and Reconstitution of Its Ubiquinol Oxidation (Q _o) Site with Purified Fe-S Protein Subunit. <i>Biochemistry</i> , 1998, 37, 16242-16251.	2.5	65
35	Probing the Role of the Fe ^{II} -S Subunit Hinge Region during Q _o Site Catalysis in <i>Rhodobacter capsulatus</i> bc ₁ Complex. <i>Biochemistry</i> , 2000, 39, 15475-15483.	2.5	65
36	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, 1332-1339.	1.0	65

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37	Membrane targeting of a folded and cofactor-containing protein. FEBS Journal, 2003, 270, 1211-1221.	0.2	63
38	Binding Dynamics at the Quinone Reduction (Qi) Site Influence the Equilibrium Interactions of the Iron Sulfur Protein and Hydroquinone Oxidation (Qo) Site of the Cytochromebc1Complex. Biochemistry, 2005, 44, 10520-10532.	2.5	62
39	Cu Homeostasis in Bacteria: The Ins and Outs. Membranes, 2020, 10, 242.	3.0	60
40	Mutagenesis of methionine-183 drastically affects the physicochemical properties of cytochrome c1 of the bc1 complex of Rhodobacter capsulatus. Biochemistry, 1992, 31, 11864-11873.	2.5	58
41	Cytochrome c biogenesis System I: An intricate process catalyzed by a maturase supercomplex?. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 989-998.	1.0	58
42	Movement of the Iron-Sulfur Subunit beyond the efLoop 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, 3471-3476.	3.4	55
43	Intermonomer Electron Transfer between the Low-Potential <i>b</i> Hemes of Cytochrome <i>bc</i> ₁ . Biochemistry, 2011, 50, 1651-1663.	2.5	55
44	Rhodobacter capsulatus mutants lacking the Rieske iron sulfur protein form a stable cytochrome bc1 subcomplex with an intact quinone reduction site. Biochemistry, 1992, 31, 3351-3358.	2.5	53
45	Across Membrane Communication between the Q _o and Q _i Active Sites of Cytochrome <i>bc</i> ₁ . Biochemistry, 2009, 48, 1888-1899.	2.5	53
46	A Global View of RNA-Protein Interactions Identifies Post-transcriptional Regulators of Root Hair Cell Fate. Developmental Cell, 2017, 41, 204-220.e5.	7.0	53
47	<i>fbc</i> 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, 25-29.	4.2	51
48	The [2Fe-2S] Cluster Em as an Indicator of the Iron-Sulfur Subunit Position in the Ubihydroquinone Oxidation Site of the Cytochrome bc1Complex. Journal of Biological Chemistry, 2002, 277, 3464-3470.	3.4	51
49	Stability of the <i>cbb</i> ₃ -Type Cytochrome Oxidase Requires Specific CcoQ-CcoP Interactions. Journal of Bacteriology, 2008, 190, 5576-5586.	2.2	51
50	Nucleotide sequence of gene <i>pfkB</i> encoding the minor phosphofructokinase of Escherichia coli K-12. Gene, 1984, 28, 337-342.	2.2	50
51	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, 16004-16012.	2.5	49
52	Mobile Cytochrome c 2 and Membrane-Anchored Cytochrome c y Are Both Efficient Electron Donors to the <i>cbb</i> ₃ - and <i>aa</i> ₃ -Type Cytochrome c Oxidases during Respiratory Growth of Rhodobacter sphaeroides. Journal of Bacteriology, 2001, 183, 2013-2024.	2.2	48
53	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, 2141-2151.	2.9	46
54	Intracytoplasmic Copper Homeostasis Controls Cytochrome <i>c</i> Oxidase Production. MBio, 2014, 5, e01055-13.	4.1	46

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55	Conserved Nonliganding Residues of the Rhodobacter capsulatus Rieske Iron-Sulfur Protein of the bc ₁ Complex Are Essential for Protein Structure, Properties of the [2Fe-2S] Cluster, and Communication with the Quinone Pool. <i>Biochemistry</i> , 1997, 36, 11675-11684.	2.5	44
56	Proteolytic Cleavage of the Fe-S Subunit Hinge Region of Rhodobacter capsulatus bc ₁ Complex: Effects of Inhibitors and Mutations. <i>Biochemistry</i> , 2000, 39, 15484-15492.	2.5	44
57	Blood cells from Friedreich ataxia patients harbor frataxin deficiency without a loss of mitochondrial function. <i>Mitochondrion</i> , 2011, 11, 342-350.	3.4	44
58	The Cytochrome bc ₁ Complex and its Homologue the b ₆ f Complex: Similarities and Differences. <i>Photosynthesis Research</i> , 2004, 79, 25-44.	2.9	43
59	The Amino-Terminal Portion of the Rieske Iron-Sulfur Protein Contributes to the Ubiquinol Oxidation Site Catalysis of the Rhodobacter capsulatus bc ₁ Complex. <i>Biochemistry</i> , 1997, 36, 11685-11696.	2.5	42
60	Protein-Protein Interactions between Cytochrome b and the Fe-S Protein Subunits during QH ₂ Oxidation and Large-Scale Domain Movement in the bc ₁ Complex. <i>Biochemistry</i> , 2003, 42, 1499-1507.	2.5	40
61	The Raised Midpoint Potential of the [2Fe2S] Cluster of Cytochrome bc ₁ Complex Mediated by Both the Q _o Site Occupants and the Head Domain Position of the Fe-S Protein Subunit. <i>Biochemistry</i> , 2004, 43, 2217-2227.	2.5	40
62	Compensatory thioester 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, 652-666.	2.5	40
63	The Scol homologue SenC is a copper binding protein that interacts directly with the cbb ₃ -type cytochrome oxidase in Rhodobacter capsulatus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 2005-2015.	1.0	40
64	Physiological electron donors to the photochemical reaction center of Rhodobacter capsulatus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 894, 370-378.	1.0	39
65	Ornithine lipid is required for optimal steady-state amounts of c-type cytochromes in Rhodobacter capsulatus. <i>Molecular Microbiology</i> , 2006, 61, 418-435.	2.5	39
66	The role of molecular modeling in the design of analogues of the fungicidal natural products crocacin A and D. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 10345-10355.	3.0	39
67	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, 29715-29722.	3.4	39
68	Cooperation between two periplasmic copper chaperones is required for full activity of the cbb ₃ -type cytochrome c oxidase and copper homeostasis in Rhodobacter capsulatus. <i>Molecular Microbiology</i> , 2016, 100, 345-361.	2.5	39
69	Loss of a Conserved Tyrosine Residue of Cytochrome b Induces Reactive Oxygen Species Production by Cytochrome bc ₁ . <i>Journal of Biological Chemistry</i> , 2011, 286, 18139-18148.	3.4	38
70	Rhodobacter capsulatus MT113: A single mutation results in the absence of c-type cytochromes and in the absence of the cytochrome bc ₁ complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 890, 292-301.	1.0	36
71	Interactions between the Cytochrome b, Cytochrome c ₁ , and Fe-S Protein Subunits at the Ubiquinol Oxidation Site of the bc ₁ Complex of Rhodobacter capsulatus. <i>Biochemistry</i> , 1998, 37, 8105-8114.	2.5	36
72	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, 3361-3372.	2.2	36

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73	Demonstration of Short-lived Complexes of Cytochrome c with Cytochrome bc ₁ by EPR Spectroscopy. <i>Journal of Biological Chemistry</i> , 2008, 283, 24826-24836.	3.4	36
74	Membrane-Anchored Cytochrome cy Mediated Microsecond Time Range Electron Transfer from the Cytochrome bc ₁ Complex to the Reaction Center in <i>Rhodobacter capsulatus</i> . <i>Biochemistry</i> , 1998, 37, 5501-5510.	2.5	35
75	Controlling the Functionality of Cytochromec ₁ Redox Potentials in the <i>Rhodobacter capsulatus</i> bc ₁ Complex through Disulfide Anchoring of a Loop and a Î ² -Branched Amino Acid near the Heme-Ligating Methionineâ€. <i>Biochemistry</i> , 2001, 40, 14547-14556.	2.5	35
76	Cytochrome c ₂ mutants of <i>Rhodobacter capsulatus</i> . <i>Archives of Biochemistry and Biophysics</i> , 1992, 292, 419-426.	3.0	34
77	Overproduction of CcmG and CcmFH Rc Fully Suppresses the c -Type Cytochrome Biogenesis Defect of <i>Rhodobacter capsulatus</i> CcmI-Null Mutants. <i>Journal of Bacteriology</i> , 2005, 187, 4245-4256.	2.2	32
78	Ubiquinone Binding Capacity of the <i>Rhodobacter capsulatus</i> Cytochromebc ₁ Complex:Â Effect of Diphenylamine, a Weak Binding QOSite Inhibitorâ€. <i>Biochemistry</i> , 1999, 38, 3440-3446.	2.5	31
79	Ion Pair Formation between Basic Residues at 144 of the Cyt b Polypeptide and the Ubiquinones at the Q _o Site of the Cyt bc ₁ Complex. <i>Biochemistry</i> , 1995, 34, 15997-16003.	2.5	30
80	The cbb ₃ -Type Cytochrome c Oxidase from <i>Rhodobacter capsulatus</i> Contains a Unique Active Site. <i>Journal of the American Chemical Society</i> , 1995, 117, 9363-9364.	13.7	30
81	A phosphoethanolamine-modified glycosyl diradylglycerol in the polar lipids of <i>Clostridium tetani</i> . <i>Journal of Lipid Research</i> , 2010, 51, 1953-1961.	4.2	30
82	Zinc Inhibition of Bacterial Cytochrome bc ₁ Reveals the Role of Cytochrome bc ₁ E295 in Proton Release at the Q _o Site. <i>Biochemistry</i> , 2011, 50, 4263-4272.	2.5	30
83	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, 413-423.	2.2	29
84	Structure and function of the bacterial bc ₁ complex: domain movement, subunit interactions, and emerging rationale engineering attempts. <i>Journal of Bioenergetics and Biomembranes</i> , 1999, 31, 275-288.	2.3	29
85	X-Ray Absorption Studies of Zn ²⁺ Binding Sites in Bacterial, Avian, and Bovine Cytochrome bc ₁ Complexes. <i>Biophysical Journal</i> , 2007, 93, 2934-2951.	0.5	29
86	The Putative Assembly Factor CcoH Is Stably Associated with the cbb ₃ -Type Cytochrome Oxidase. <i>Journal of Bacteriology</i> , 2010, 192, 6378-6389.	2.2	29
87	The role of the membrane bound cytochromes of b- and c-type in the electron transport chain of <i>Rhodobacter capsulatus</i> . <i>Archives of Microbiology</i> , 1992, 157, 367-374.	2.2	28
88	sacB â€“5-Fluoroorotic Acidâ€“ 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, 3014-3024.	3.1	28
89	Copper transport and regulation in <i>Schizosaccharomyces pombe</i> . <i>Biochemical Society Transactions</i> , 2013, 41, 1679-1686.	3.4	27
90	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, 373-379.	0.2	26

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91	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, 40452-40463.	3.4	25
92	Widespread Distribution and Functional Specificity of the Copper Importer CcoA: Distinct Cu Uptake Routes for Bacterial Cytochrome <i>c</i> Oxidases. <i>MBio</i> , 2018, 9, .	4.1	25
93	petR, located upstream of the fbcFBC operon encoding the cytochrome bc ₁ 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, 1645-1654.	2.5	24
94	Membrane-Spanning and Periplasmic Segments of CcmI Have Distinct Functions during Cytochrome c Biogenesis in <i>Rhodobacter capsulatus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 789-800.	2.2	24
95	Substitution of the Sixth Axial Ligand of <i>Rhodobacter capsulatus</i> Cytochrome c I Heme Yields Novel Cytochrome c I Variants with Unusual Properties. <i>Biochemistry</i> , 1999, 38, 7908-7917.	2.5	23
96	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, 875-890.	3.8	23
97	Extracytoplasmic prosthetic group ligation to apoproteins: maturation of c-type cytochromes. <i>Molecular Microbiology</i> , 2006, 60, 537-541.	2.5	22
98	Cytochrome bc ₁ -cy Fusion Complexes Reveal the Distance Constraints for Functional Electron Transfer Between Photosynthesis Components. <i>Journal of Biological Chemistry</i> , 2008, 283, 13973-13982.	3.4	22
99	A Copper Relay System Involving Two Periplasmic Chaperones Drives <i>cbb</i> ₃ -Type Cytochrome <i>c</i> Oxidase Biogenesis in <i>Rhodobacter capsulatus</i> . <i>ACS Chemical Biology</i> , 2018, 13, 1388-1397.	3.4	22
100	The Cu chaperone CopZ is required for Cu homeostasis in <i>Rhodobacter capsulatus</i> and influences cytochrome <i>cbb</i> ₃ oxidase assembly. <i>Molecular Microbiology</i> , 2019, 111, 764-783.	2.5	22
101	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, 533-545.	4.2	21
102	Modifications of the Lipoamide-containing Mitochondrial Subproteome in a Yeast Mutant Defective in Cysteine Desulfurase. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1426-1436.	3.8	20
103	Recent advances in cytochrome bc ₁ : Inter monomer electronic communication?. <i>FEBS Letters</i> , 2012, 586, 617-621.	2.8	19
104	<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, 8564-8574.	2.2	18
105	The membrane-bound cytochrome <i>cy</i> of <i>Rhodobacter capsulatus</i> can serve as an electron donor to the photosynthetic reaction center of <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1273, 159-164.	1.0	17
106	Non-inhibiting perturbation of the primary energy conversion site (Qosite) in <i>Rhodobacter capsulatus</i> ubiquinol:cytochrome oxidoreductase (cytochrome bc ₁ complex). <i>FEBS Letters</i> , 1998, 431, 423-426.	2.8	17
107	Overexpression of <i>ccl1</i> ² can bypass the need for the putative apocytochrome chaperone Cych during the biogenesis of c-type cytochromes. <i>Molecular Microbiology</i> , 2002, 46, 1069-1080.	2.5	17
108	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, 127-134.	2.9	17

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109	The thio-reduction component CcmG confers efficiency and the heme ligation component CcmH ensures stereo-specificity during cytochrome c maturation. <i>Journal of Biological Chemistry</i> , 2017, 292, 13154-13167.	3.4	17
110	The <i>cbb₃</i> -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.	7.1	17
111	Cryo-EM structures of engineered active bc ₁ -cbb ₃ type CIII ₂ CIV super-complexes and electronic communication between the complexes. <i>Nature Communications</i> , 2021, 12, 929.	12.8	17
112	Electron-transfer supercomplexes in photosynthesis and respiration. <i>Trends in Microbiology</i> , 2000, 8, 493-494.	7.7	16
113	Uncovering the Transmembrane Metal Binding Site of the Novel Bacterial Major Facilitator Superfamily-Type Copper Importer CcoA. <i>MBio</i> , 2016, 7, e01981-15.	4.1	16
114	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.	1.0	16
115	Crystallization and preliminary analysis of crystals of cytochrome c ₂ from <i>Rhodospseudomonas capsulata</i> . <i>Journal of Molecular Biology</i> , 1987, 195, 229-231.	4.2	15
116	[6] Using Genetics to Explore Cytochrome Function and Structure in <i>Rhodobacter</i> . <i>Methods in Enzymology</i> , 1998, 297, 81-94.	1.0	14
117	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 bc ₁ complex from <i>Rhodobacter capsulatus</i> . <i>Molecular Microbiology</i> , 1993, 9, 965-978.	2.5	13
118	Intermonomer Electron Transfer between the <i>b₁</i> Hemes of Heterodimeric Cytochrome <i>bc₁</i> . <i>Biochemistry</i> , 2013, 52, 7196-7206.	2.5	13
119	Spectroscopic and oxidation-reduction properties of <i>Rhodobacter capsulatus</i> cytochrome c ₁ and its M183K and M183H variants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1556, 175-186.	1.0	12
120	The Heme Chaperone ApoCcmE Forms a Ternary Complex with CcmI and Apocytochrome c. <i>Journal of Biological Chemistry</i> , 2013, 288, 6272-6283.	3.4	12
121	Comparative differential cuproproteomes of <i>Rhodobacter capsulatus</i> reveal novel copper homeostasis related proteins. <i>Metallomics</i> , 2020, 12, 572-591.	2.4	12
122	Soluble Variants of <i>Rhodobacter capsulatus</i> Membrane-anchored Cytochrome cy Are Efficient Photosynthetic Electron Carriers. <i>Journal of Biological Chemistry</i> , 2008, 283, 13964-13972.	3.4	11
123	Missense Mutations in Cytochrome <i>c</i> Maturation Genes Provide New Insights into <i>Rhodobacter capsulatus</i> <i>cbb₃</i> -Type Cytochrome <i>c</i> Oxidase Biogenesis. <i>Journal of Bacteriology</i> , 2013, 195, 261-269.	2.2	11
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