Edward A Berry

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Crystallographic investigation of the ubiquinone binding site of respiratory Complex II and its inhibitors. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140679.	2.3	8
2	Nitric Oxide Does Not Inhibit but Is Metabolized by the Cytochrome bcc-aa3 Supercomplex. International Journal of Molecular Sciences, 2020, 21, 8521.	4.1	9
3	The assembly of succinate dehydrogenase: a key enzyme in bioenergetics. Cellular and Molecular Life Sciences, 2019, 76, 4023-4042.	5.4	84
4	Crystal Structure of Hypothetical Fructose-Specific EIIB from Escherichia coli. Molecules and Cells, 2016, 39, 495-500.	2.6	2
5	Crystal structure of yeast V ₁ â€ <scp>ATP</scp> ase in the autoinhibited state. EMBO Journal, 2016, 35, 1694-1706.	7.8	43
6	In-vitro, SDH5-dependent flavinylation of immobilized human respiratory complex II flavoprotein. Archives of Biochemistry and Biophysics, 2016, 604, 47-56.	3.0	9
7	Rieske Iron-Sulfur Protein Movement and Conformational Changes in Cytochrome bc–bf Complexes. Advances in Photosynthesis and Respiration, 2016, , 237-251.	1.0	1
8	Rational Design of Highly Potent and Slow-Binding Cytochrome bc1 Inhibitor as Fungicide by Computational Substitution Optimization. Scientific Reports, 2015, 5, .	3.3	16
9	Isolation and Characterization of a Hybrid Respiratory Supercomplex Consisting of Mycobacterium tuberculosis Cytochrome bcc and Mycobacterium smegmatis Cytochrome aa3. Journal of Biological Chemistry, 2015, 290, 14350-14360.	3.4	36
10	Structure ofVibrio choleraeribosome hibernation promoting factor. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 228-236.	0.7	20
11	Unanswered questions about the structure of cytochrome bc1 complexes. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1258-1277.	1.0	42
12	Engineering Domain-Swapped Binding Interfaces by Mutually Exclusive Folding. Journal of Molecular Biology, 2012, 416, 495-502.	4.2	22
13	Crystal Structure of the Yeast Vacuolar ATPase Heterotrimeric EGChead Peripheral Stalk Complex. Structure, 2012, 20, 1881-1892.	3.3	63
14	Computational Discovery of Picomolar <i>Q</i> _o Site Inhibitors of Cytochrome <i>bc</i> ₁ Complex. Journal of the American Chemical Society, 2012, 134, 11168-11176.	13.7	147
15	Conformationally linked interaction in the cytochrome bc1 complex between inhibitors of the Qo site and the Rieske iron–sulfur protein. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1349-1363.	1.0	55
16	Ascochlorin is a novel, specific inhibitor of the mitochondrial cytochrome bc1 complex. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 360-370.	1.0	79
17	Bis-histidine-coordinated hemes in four-helix bundles: how the geometry of the bundle controls the axial imidazole plane orientations in transmembrane cytochromes of mitochondrial Complexes II and III and related proteins. Journal of Biological Inorganic Chemistry, 2008, 13, 481-498.	2.6	36
18	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, 10345-10355.	3.0	39

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19	X-Ray Absorption Studies of Zn2+ Binding Sites in Bacterial, Avian, and Bovine Cytochrome bc1 Complexes. Biophysical Journal, 2007, 93, 2934-2951.	0.5	29
20	Crystallographic studies of the binding of ligands to the dicarboxylate site of Complex II, and the identity of the ligand in the "oxaloacetate-inhibited―state. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1073-1083.	1.0	58
21	3-Nitropropionic Acid Is a Suicide Inhibitor of Mitochondrial Respiration That, upon Oxidation by Complex II, Forms a Covalent Adduct with a Catalytic Base Arginine in the Active Site of the Enzyme. Journal of Biological Chemistry, 2006, 281, 5965-5972.	3.4	258
22	Crystallization of mitochondrial respiratory complex II from chicken heart: a membrane-protein complex diffracting to 2.0â€Ã Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 380-387.	2.5	18
23	Binding of the Respiratory Chain Inhibitor Antimycin to the Mitochondrial bc1 Complex: A New Crystal Structure Reveals an Altered Intramolecular Hydrogen-bonding Pattern. Journal of Molecular Biology, 2005, 351, 573-597.	4.2	258
24	X-Ray Structure of Rhodobacter Capsulatus Cytochrome bc1: Comparison with its Mitochondrial and Chloroplast Counterparts. Photosynthesis Research, 2004, 81, 251-275.	2.9	191
25	Observations concerning the quinol oxidation site of the cytochrome bc 1 complex. FEBS Letters, 2003, 555, 13-20.	2.8	62
26	Characterization of cytochrome b from Toxoplasma gondii and Qo domain mutations as a mechanism of atovaquone-resistance. Molecular and Biochemical Parasitology, 2000, 108, 1-12.	1.1	144
27	Structure and Function of Cytochrome <i>bc</i> Complexes. Annual Review of Biochemistry, 2000, 69, 1005-1075.	11.1	471
28	Crystallographic location of two Zn2+-binding sites in the avian cytochrome bc1 complex. Biochimica Et Biophysica Acta - Bioenergetics, 2000, 1459, 440-448.	1.0	58
29	Translation of the Edited mRNA for Cytochrome b in Trypanosome Mitochondria. Science, 2000, 287, 1639-1640.	12.6	86
30	Structure of the avian mitochondrial cytochrome bc1 complex. Journal of Bioenergetics and Biomembranes, 1999, 31, 177-190.	2.3	43
31	Physicochemical Aspects of the Movement of the Rieske Iron Sulfur Protein during Quinol Oxidation by thebc1Complex from Mitochondria and Photosynthetic Bacteriaâ€. Biochemistry, 1999, 38, 15827-15839.	2.5	62
32	Steered Molecular Dynamics Simulation of the Rieske Subunit Motion in the Cytochrome bc1 Complex. Biophysical Journal, 1999, 77, 1753-1768.	0.5	154
33	Mechanism of Ubiquinol Oxidation by thebc1Complex:Â Role of the Iron Sulfur Protein and Its Mobilityâ€. Biochemistry, 1999, 38, 15791-15806.	2.5	114
34	Electron transfer by domain movement in cytochrome bc1. Nature, 1998, 392, 677-684.	27.8	1,083
35	Simultaneous determination of hemes a, b, and c from pyridine hemochrome spectra. Analytical Biochemistry, 1987, 161, 1-15.	2.4	838