

Francis Millett

List of Publications by Year in descending order

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52
papers

2,559
citations

136950

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52
all docs

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docs citations

52
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	Definition of the Interaction Domain and Electron Transfer Route between Cytochrome c and Cytochrome Oxidase. <i>Biochemistry</i> , 2019, 58, 4125-4135.	2.5	11
2	Design and use of photoactive ruthenium complexes to study electron transfer within cytochrome bc ₁ and from cytochrome bc ₁ to cytochrome c. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1309-1319.	1.0	16
3	Design of photoactive ruthenium complexes to study electron transfer and proton pumping in cytochrome oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 567-574.	1.0	13
4	Photoinitiated Electron Transfer within the <i>Paracoccus denitrificans</i> Cytochrome bc ₁ Complex: Mobility of the Iron-Sulfur Protein Is Modulated by the Occupant of the Q _o Site. <i>Biochemistry</i> , 2011, 50, 10462-10472.	2.5	9
5	The acidic domain of cytochrome c ₁ in <i>Paracoccus denitrificans</i> , analogous to the acidic subunits in eukaryotic bc ₁ complexes, is not involved in the electron transfer reaction to its native substrate cytochrome c ₅₅₂ . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1383-1389.	1.0	4
6	Chapter 5 Use of Ruthenium Photooxidation Techniques to Study Electron Transfer in the Cytochrome bc ₁ Complex. <i>Methods in Enzymology</i> , 2009, 456, 95-109.	1.0	8
7	Chapter 28 Use of Ruthenium Photoreduction Techniques to Study Electron Transfer in Cytochrome Oxidase. <i>Methods in Enzymology</i> , 2009, 456, 507-520.	1.0	19
8	Probing the <i>Paracoccus denitrificans</i> Cytochrome c ₁ -Cytochrome c ₅₅₂ Interaction by Mutagenesis and Fast Kinetics. <i>Biochemistry</i> , 2008, 47, 12974-12984.	2.5	11
9	Effect of Mutations in the Cytochrome b _L Loop on the Electron-Transfer Reactions of the Rieske Iron-Sulfur Protein in the Cytochrome bc ₁ Complex. <i>Biochemistry</i> , 2007, 46, 1791-1798.	2.5	24
10	A New Ruthenium Complex To Study Single-Electron Reduction of the Pulsed OH State of Detergent-Solubilized Cytochrome Oxidase. <i>Biochemistry</i> , 2007, 46, 14610-14618.	2.5	26
11	An Arginine to Lysine Mutation in the Vicinity of the Heme Propionates Affects the Redox Potentials of the Hemes and Associated Electron and Proton Transfer in CytochromecOxidase. <i>Biochemistry</i> , 2005, 44, 10457-10465.	2.5	33
12	Direct measurement of proton release by cytochrome c oxidase in solution during the F _o transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10544-10547.	7.1	24
13	Kinetics of Electron Transfer within Cytochrome bc ₁ and Between Cytochrome bc ₁ and Cytochrome c. <i>Photosynthesis Research</i> , 2004, 82, 1-16.	2.9	20
14	Role of the Conserved Arginine Pair in Proton and Electron Transfer in Cytochrome c Oxidase. <i>Biochemistry</i> , 2004, 43, 5748-5756.	2.5	52
15	Design of a Ruthenium-Labeled CytochromecDerivative to Study Electron Transfer with the Cytochromebc ₁ Complex. <i>Biochemistry</i> , 2003, 42, 2816-2824.	2.5	53
16	Effect of Famoxadone on Photoinduced Electron Transfer between the Iron-Sulfur Center and Cytochrome c ₁ in the Cytochrome bc ₁ Complex. <i>Journal of Biological Chemistry</i> , 2003, 278, 11419-11426.	3.4	23
17	Photoinduced Electron Transfer between the Rieske Iron-Sulfur Protein and Cytochrome c ₁ in the <i>Rhodobacter sphaeroides</i> Cytochromebc ₁ Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 31072-31078.	3.4	43
18	Design of Photoactive Ruthenium Complexes To Study Interprotein Electron Transfer. <i>Biochemistry</i> , 2002, 41, 11315-11324.	2.5	48

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19	Role of the Low-Affinity Binding Site in Electron Transfer from Cytochrome c to Cytochrome c Peroxidase. <i>Biochemistry</i> , 2002, 41, 3968-3976.	2.5	16
20	Mutants of the Cu Site in Cytochrome c Oxidase of <i>Rhodobacter sphaeroides</i> : II. Rapid Kinetic Analysis of Electron Transfer. <i>Biochemistry</i> , 2002, 41, 2298-2304.	2.5	45
21	Exposure of Bovine Cytochrome c Oxidase to High Triton X-100 or to Alkaline Conditions Causes a Dramatic Change in the Rate of Reduction of Compound F. <i>Journal of Biological Chemistry</i> , 2001, 276, 33616-33620.	3.4	23
22	Definition of the Interaction Domain for Cytochrome c with the Cytochrome bc ₁ Complex. <i>Journal of Biological Chemistry</i> , 2000, 275, 9587-9595.	3.4	36
23	Use of a Photoactivated Ruthenium Dimer Complex To Measure Electron Transfer between the Rieske Iron-Sulfur Protein and Cytochrome c ₁ in the Cytochrome bc ₁ Complex. <i>Biochemistry</i> , 2000, 39, 4231-4236.	2.5	58
24	Definition of the Interaction Domain for Cytochrome c with Cytochrome c Oxidase. <i>Journal of Biological Chemistry</i> , 1999, 274, 38042-38050.	3.4	67
25	Role of Configurational Gating in Intracomplex Electron Transfer from Cytochrome c to the Radical Cation in Cytochrome c Peroxidase. <i>Biochemistry</i> , 1999, 38, 6846-6854.	2.5	70
26	Single Electron Reduction of Cytochrome c Oxidase Compound F: Resolution of Partial Steps by Transient Spectroscopy. <i>Biochemistry</i> , 1998, 37, 14910-14916.	2.5	71
27	Identifying the Physiological Electron Transfer Site of Cytochrome c Peroxidase by Structure-Based Engineering. <i>Biochemistry</i> , 1996, 35, 667-673.	2.5	44
28	Control of Formation and Dissociation of the High-Affinity Complex between Cytochrome c and Cytochrome c Peroxidase by Ionic Strength and the Low-Affinity Binding Site. <i>Biochemistry</i> , 1996, 35, 15800-15806.	2.5	46
29	Design of a Ruthenium-Cytochrome c Derivative To Measure Electron Transfer to the Radical Cation and Oxyferryl Heme in Cytochrome c Peroxidase. <i>Biochemistry</i> , 1996, 35, 15107-15119.	2.5	64
30	Intramolecular electron-transfer reactions of cytochrome b ₅ covalently bonded to ruthenium(II) polypyridine complexes: reorganizational energy and pressure effects. <i>Inorganica Chimica Acta</i> , 1996, 243, 193-200.	2.4	20
31	Electron transfer between cytochrome c and cytochrome c peroxidase. <i>Journal of Bioenergetics and Biomembranes</i> , 1995, 27, 341-351.	2.3	40
32	Design of a Ruthenium-Cytochrome c Derivative to Measure Electron Transfer to the Initial Acceptor in Cytochrome c Oxidase. <i>Journal of Biological Chemistry</i> , 1995, 270, 2466-2472.	3.4	92
33	Photooxidation of Trp-191 in cytochrome c peroxidase by ruthenium-cytochrome c derivatives. <i>Biochemistry</i> , 1995, 34, 973-983.	2.5	33
34	Intramolecular electron transfer between Ru(I) and Ru(III) and the heme iron of cytochrome c labeled with ruthenium(II) polypyridine complexes. <i>Inorganica Chimica Acta</i> , 1994, 226, 129-135.	2.4	8
35	Effect of binding cytochrome c and ionic strength on the reorganizational energy and intramolecular electron transfer in cytochrome b ₅ labeled with ruthenium(II) polypyridine complexes. <i>Journal of the American Chemical Society</i> , 1994, 116, 7356-7362.	13.7	26
36	Reaction of Horse Cytochrome c with the Radical and the Oxyferryl Heme in Cytochrome c Peroxidase Compound I. <i>Biochemistry</i> , 1994, 33, 1473-1480.	2.5	54

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37	Role of methionine 230 in intramolecular electron transfer between the oxyferryl heme and tryptophan 191 in cytochrome c peroxidase compound II. <i>Biochemistry</i> , 1994, 33, 8678-8685.	2.5	46
38	Intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes: rate measurements in the Marcus inverted region. <i>Journal of the American Chemical Society</i> , 1993, 115, 6820-6824.	13.7	66
39	Intracomplex electron transfer between ruthenium-65-cytochrome b5 and position-82 variants of yeast iso-1-cytochrome c. <i>Biochemistry</i> , 1993, 32, 7519-7525.	2.5	50
40	Intracomplex electron transfer between ruthenium-cytochrome c derivatives and cytochrome c oxidase. <i>Biochemistry</i> , 1993, 32, 8492-8498.	2.5	102
41	Reaction of cytochrome c with the radical in cytochrome c peroxidase compound I. <i>Journal of the American Chemical Society</i> , 1993, 115, 3372-3373.	13.7	41
42	Photoinduced electron transfer between cytochrome c peroxidase and horse cytochrome c labeled at specific lysines with (dicarboxybipyridine)(bisbipyridine)ruthenium(II). <i>Biochemistry</i> , 1992, 31, 3472-3477.	2.5	63
43	Genetic engineering of redox donor sites: measurement of intracomplex electron transfer between ruthenium-65-cytochrome b5 and cytochrome c. <i>Biochemistry</i> , 1992, 31, 7237-7242.	2.5	83
44	Photoinduced electron transfer between cytochrome c peroxidase and yeast cytochrome c labeled at Cys 102 with (4-bromomethyl-4'-methylbipyridine)[bis(bipyridine)]ruthenium ²⁺ . <i>Biochemistry</i> , 1991, 30, 9450-9457.	2.5	116
45	Photoinduced electron-transfer kinetics of singly labeled ruthenium bis(bipyridine) dicarboxybipyridine cytochrome c derivatives. <i>Biochemistry</i> , 1989, 28, 8659-8665.	2.5	85
46	Electron-Transfer Kinetics of Singly Labeled Ruthenium(II) Polypyridine Cytochrome c Derivatives. <i>Advances in Chemistry Series</i> , 1989, , 181-193.	0.6	6
47	Preparation and characterization of singly labeled ruthenium polypyridine cytochrome c derivatives. <i>Biochemistry</i> , 1988, 27, 7180-7184.	2.5	65
48	Identification of specific carboxylate groups on cytochrome c oxidase that are involved in binding cytochrome c. <i>Biochemistry</i> , 1983, 22, 546-552.	2.5	159
49	Use of specific trifluoroacetylation of lysine residues in cytochrome c to study the reaction with cytochrome b5, cytochrome c1, and cytochrome oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1980, 592, 303-313.	1.0	77
50	Effect of specific trifluoroacetylation of individual cytochrome c lysines on the reaction with cytochrome oxidase. <i>Biochemistry</i> , 1977, 16, 600-604.	2.5	103
51	Use of specific lysine modifications to locate the reaction site of cytochrome c with cytochrome oxidase. <i>Biochemistry</i> , 1977, 16, 4971-4974.	2.5	175
52	An enzyme kinetics and fluorine-19 nuclear magnetic resonance study of selectively trifluoroacetylated cytochrome c derivatives. <i>Biochemistry</i> , 1976, 15, 3198-3205.	2.5	72