Francis Millett

List of Publications by Year
in descending order

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52	2,559	136740	189595
papers	citations	32	50
		h-index	g-index

52	52	52	945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Definition of the Interaction Domain and Electron Transfer Route between Cytochrome c and Cytochrome Oxidase. Biochemistry, 2019, 58, 4125-4135.	1.2	11
2	Design and use of photoactive ruthenium complexes to study electron transfer within cytochrome bc1 and from cytochrome bc1 to cytochrome c. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1309-1319.	0.5	16
3	Design of photoactive ruthenium complexes to study electron transfer and proton pumping in cytochrome oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 567-574.	0.5	13
4	Photoinitiated Electron Transfer within the Paracoccus denitrificans Cytochrome bc₁ Complex: Mobility of the Ironâ€“Sulfur Protein Is Modulated by the Occupant of the Q_o Site. Biochemistry, 2011, 50, 10462-10472.	1.2	9
5	The acidic domain of cytochrome c1 in Paracoccus denitrificans, analogous to the acidic subunits in eukaryotic bc1 complexes, is not involved in the electron transfer reaction to its native substrate cytochrome c552. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1383-1389.	0.5	4
6	Chapter 5 Use of Ruthenium Photooxidation Techniques to Study Electron Transfer in the Cytochrome bc1 Complex. Methods in Enzymology, 2009, 456, 95-109.	0.4	8
7	Chapter 28 Use of Ruthenium Photoreduction Techniques to Study Electron Transfer in Cytochrome Oxidase. Methods in Enzymology, 2009, 456, 507-520.	0.4	19
8	Probing the Paracoccus denitrificans Cytochrome c1â^'Cytochrome c552 Interaction by Mutagenesis and Fast Kinetics. Biochemistry, 2008, 47, 12974-12984.	1.2	11
9	Effect of Mutations in the Cytochrome b ef Loop on the Electron-Transfer Reactions of the Rieske Ironâ^'Sulfur Protein in the Cytochrome bc1 Complex. Biochemistry, 2007, 46, 1791-1798.	1.2	24
10	A New Ruthenium Complex To Study Single-Electron Reduction of the Pulsed OH State of Detergent-Solubilized Cytochrome Oxidase. Biochemistry, 2007, 46, 14610-14618.	1.2	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 CytochromecOxidaseâ€. Biochemistry, 2005, 44, 10457-10465.	1.2	33
12	Direct measurement of proton release by cytochrome c oxidase in solution during the F->O transition. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10544-10547.	3.3	24
13	Kinetics of Electron Transfer within Cytochrome bc1and Between Cytochrome bc1and Cytochrome c. Photosynthesis Research, 2004, 82, 1-16.	1.6	20
14	Role of the Conserved Arginine Pair in Proton and Electron Transfer in Cytochrome c Oxidase. Biochemistry, 2004, 43, 5748-5756.	1.2	52
15	Design of a Ruthenium-Labeled CytochromecDerivative to Study Electron Transfer with the Cytochromebc1Complexâ€. Biochemistry, 2003, 42, 2816-2824.	1.2	53
16	Effect of Famoxadone on Photoinduced Electron Transfer between the Iron-Sulfur Center and Cytochrome c 1 in the Cytochrome bc 1 Complex. Journal of Biological Chemistry, 2003, 278, 11419-11426.	1.6	23
17	Photoinduced Electron Transfer between the Rieske Iron-Sulfur Protein and Cytochrome c1 in theRhodobacter sphaeroides Cytochromebc1 Complex. Journal of Biological Chemistry, 2002, 277, 31072-31078.	1.6	43
18	Design of Photoactive Ruthenium Complexes To Study Interprotein Electron Transfer. Biochemistry, 2002, 41, 11315-11324.	1.2	48

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19	Role of the Low-Affinity Binding Site in Electron Transfer from Cytochromecto CytochromecPeroxidaseâ€. Biochemistry, 2002, 41, 3968-3976.	1.2	16
20	Mutants of the CuASite in CytochromecOxidase ofRhodobacter sphaeroides:Â II. Rapid Kinetic Analysis of Electron Transferâ€. Biochemistry, 2002, 41, 2298-2304.	1.2	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. Journal of Biological Chemistry, 2001, 276, 33616-33620.	1.6	23
22	Definition of the Interaction Domain for Cytochrome con the Cytochrome bc 1 Complex. Journal of Biological Chemistry, 2000, 275, 9587-9595.	1.6	36
23	Use of a Photoactivated Ruthenium Dimer Complex To Measure Electron Transfer between the Rieske Ironâ^'Sulfur Protein and Cytochromec1in the Cytochromebc1Complexâ€. Biochemistry, 2000, 39, 4231-4236.	1.2	58
24	Definition of the Interaction Domain for Cytochrome con Cytochrome c Oxidase. Journal of Biological Chemistry, 1999, 274, 38042-38050.	1.6	67
25	Role of Configurational Gating in Intracomplex Electron Transfer from Cytochrome c to the Radical Cation in Cytochrome c Peroxidase. Biochemistry, 1999, 38, 6846-6854.	1.2	70
26	Single Electron Reduction of CytochromecOxidase Compound F:Â Resolution of Partial Steps by Transient Spectroscopyâ€. Biochemistry, 1998, 37, 14910-14916.	1.2	71
27	Identifying the Physiological Electron Transfer Site of CytochromecPeroxidase by Structure-Based Engineeringâ€. Biochemistry, 1996, 35, 667-673.	1.2	44
28	Control of Formation and Dissociation of the High-Affinity Complex between Cytochromecand CytochromecPeroxidase by Ionic Strength and the Low-Affinity Binding Siteâ€. Biochemistry, 1996, 35, 15800-15806.	1.2	46
29	Design of a Rutheniumâ^'CytochromecDerivative To Measure Electron Transfer to the Radical Cation and Oxyferryl Heme in CytochromecPeroxidaseâ€. Biochemistry, 1996, 35, 15107-15119.	1.2	64
30	Intramolecular electron-transfer reactions of cytochrome b5 covalently bonded to ruthenium(II) polypyridine complexes: reorganizational energy and pressure effects. Inorganica Chimica Acta, 1996, 243, 193-200.	1.2	20
31	Electron transfer between cytochromec and cytochromec peroxidase. Journal of Bioenergetics and Biomembranes, 1995, 27, 341-351.	1.0	40
32	Design of a Ruthenium-Cytochrome c Derivative to Measure Electron Transfer to the Initial Acceptor in Cytochrome c Oxidase. Journal of Biological Chemistry, 1995, 270, 2466-2472.	1.6	92
33	Photooxidation of Trp-191 in cytochrome c peroxidase by ruthenium-cytochrome c derivatives. Biochemistry, 1995, 34, 973-983.	1.2	33
34	Intramolecular electron transfer between Ru(I) and Ru(III) and the heme iron of cytochrome c labeled with ruthenium(II) polypyridine complexes. Inorganica Chimica Acta, 1994, 226, 129-135.	1.2	8
35	Effect of binding cytochrome c and ionic strength on the reorganizational energy and intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes. Journal of the American Chemical Society, 1994, 116, 7356-7362.	6.6	26
36	Reaction of Horse Cytochrome c with the Radical and the Oxyferryl Heme in Cytochrome c Peroxidase Compound I. Biochemistry, 1994, 33, 1473-1480.	1.2	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. Biochemistry, 1994, 33, 8678-8685.	1.2	46
38	Intramolecular electron transfer in cytochrome b5 labeled with ruthenium(II) polypyridine complexes: rate measurements in the Marcus inverted region. Journal of the American Chemical Society, 1993, 115, 6820-6824.	6.6	66
39	Intracomplex electron transfer between ruthenium-65-cytochrome b5 and position-82 variants of yeast iso-1-cytochrome c. Biochemistry, 1993, 32, 7519-7525.	1.2	50
40	Intracomplex electron transfer between ruthenium-cytochrome c derivatives and cytochrome c oxidase. Biochemistry, 1993, 32, 8492-8498.	1.2	102
41	Reaction of cytochrome c with the radical in cytochrome c peroxidase compound I. Journal of the American Chemical Society, 1993, 115, 3372-3373.	6.6	41
42	Photoinduced electron transfer between cytochrome c peroxidase and horse cytochrome c labeled at specific lysines with (dicarboxybipyridine)(bisbipyridine)ruthenium(II). Biochemistry, 1992, 31, 3472-3477.	1.2	63
43	Genetic engineering of redox donor sites: measurement of intracomplex electron transfer between ruthenium-65-cytochrome b5 and cytochrome c. Biochemistry, 1992, 31, 7237-7242.	1.2	83
44	Photoinduced electron transfer between cytochrome c peroxidase and yeast cytochrome c labeled at Cys 102 with (4-bromomethyl-4'-methylbipyridine)[bis(bipyridine)]ruthenium2+. Biochemistry, 1991, 30, 9450-9457.	1.2	116
45	Photoinduced electron-transfer kinetics of singly labeled ruthenium bis(bipyridine) dicarboxybipyridine cytochrome c derivatives. Biochemistry, 1989, 28, 8659-8665.	1.2	85
46	Electron-Transfer Kinetics of Singly Labeled Ruthenium(II) Polypyridine Cytochrome c Derivatives. Advances in Chemistry Series, 1989, , 181-193.	0.6	6
47	Preparation and characterization of singly labeled ruthenium polypyridine cytochrome c derivatives. Biochemistry, 1988, 27, 7180-7184.	1.2	65
48	Identification of specific carboxylate groups on cytochrome c oxidase that are involved in binding cytochrome c. Biochemistry, 1983, 22, 546-552.	1.2	159
49	Use of specific trifluoroacetylation of lysine residues in cytochrome c to study the reaction with cytochrome b5, cytochrome c1, and cytochrome oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 1980, 592, 303-313.	0.5	77
50	Effect of specific trifluoroacetylation of individual cytochrome c lysines on the reaction with cytochrome oxidase. Biochemistry, 1977, 16, 600-604.	1.2	103
51	Use of specific lysine modifications to locate the reaction site of cytochrome c with cytochrome oxidase. Biochemistry, 1977, 16, 4971-4974.	1.2	175
52	An enzyme kinetics and fluorine-19 nuclear magnetic resonance study of selectively trifluoroacetylated cytochrome c derivatives. Biochemistry, 1976, 15, 3198-3205.	1.2	72