Francis Millett

List of Publications by Year
in descending order

52 papers	2,559 citations	136950 32 h-index	189892 50 g-index
52 all docs	52 docs citations	52 times ranked	945 citing authors

#	Article	IF	Citations
1	Use of specific lysine modifications to locate the reaction site of cytochrome c with cytochrome oxidase. Biochemistry, 1977, 16, 4971-4974.	2.5	175
2	Identification of specific carboxylate groups on cytochrome c oxidase that are involved in binding cytochrome c. Biochemistry, 1983, 22, 546-552.	2.5	159
3	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.	2.5	116
4	Effect of specific trifluoroacetylation of individual cytochrome c lysines on the reaction with cytochrome oxidase. Biochemistry, 1977, 16, 600-604.	2.5	103
5	Intracomplex electron transfer between ruthenium-cytochrome c derivatives and cytochrome c oxidase. Biochemistry, 1993, 32, 8492-8498.	2.5	102
6	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.	3.4	92
7	Photoinduced electron-transfer kinetics of singly labeled ruthenium bis(bipyridine) dicarboxybipyridine cytochrome c derivatives. Biochemistry, 1989, 28, 8659-8665.	2.5	85
8	Genetic engineering of redox donor sites: measurement of intracomplex electron transfer between ruthenium-65-cytochrome b5 and cytochrome c. Biochemistry, 1992, 31, 7237-7242.	2.5	83
9	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.	1.0	77
10	An enzyme kinetics and fluorine-19 nuclear magnetic resonance study of selectively trifluoroacetylated cytochrome c derivatives. Biochemistry, 1976, 15, 3198-3205.	2.5	72
11	Single Electron Reduction of CytochromecOxidase Compound F:Â Resolution of Partial Steps by Transient Spectroscopyâ€. Biochemistry, 1998, 37, 14910-14916.	2.5	71
12	Role of Configurational Gating in Intracomplex Electron Transfer from Cytochrome c to the Radical Cation in Cytochrome c Peroxidase. Biochemistry, 1999, 38, 6846-6854.	2.5	70
13	Definition of the Interaction Domain for Cytochrome con Cytochrome c Oxidase. Journal of Biological Chemistry, 1999, 274, 38042-38050.	3.4	67
14	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.	13.7	66
15	Preparation and characterization of singly labeled ruthenium polypyridine cytochrome c derivatives. Biochemistry, 1988, 27, 7180-7184.	2.5	65
16	Design of a Rutheniumâ^'CytochromecDerivative To Measure Electron Transfer to the Radical Cation and Oxyferryl Heme in CytochromecPeroxidaseâ€. Biochemistry, 1996, 35, 15107-15119.	2.5	64
17	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.	2.5	63
18	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.	2.5	58

#	Article	IF	Citations
19	Reaction of Horse Cytochrome c with the Radical and the Oxyferryl Heme in Cytochrome c Peroxidase Compound I. Biochemistry, 1994, 33, 1473-1480.	2.5	54
20	Design of a Ruthenium-Labeled CytochromecDerivative to Study Electron Transfer with the Cytochromebc1Complexâ€. Biochemistry, 2003, 42, 2816-2824.	2.5	53
21	Role of the Conserved Arginine Pair in Proton and Electron Transfer in Cytochrome c Oxidase. Biochemistry, 2004, 43, 5748-5756.	2.5	52
22	Intracomplex electron transfer between ruthenium-65-cytochrome b5 and position-82 variants of yeast iso-1-cytochrome c. Biochemistry, 1993, 32, 7519-7525.	2.5	50
23	Design of Photoactive Ruthenium Complexes To Study Interprotein Electron Transfer. Biochemistry, 2002, 41, 11315-11324.	2.5	48
24	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.	2.5	46
25	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.	2.5	46
26	Mutants of the CuASite in CytochromecOxidase ofRhodobacter sphaeroides:Â II. Rapid Kinetic Analysis of Electron Transferâ€. Biochemistry, 2002, 41, 2298-2304.	2.5	45
27	Identifying the Physiological Electron Transfer Site of CytochromecPeroxidase by Structure-Based Engineeringâ€. Biochemistry, 1996, 35, 667-673.	2.5	44
28	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.	3.4	43
29	Reaction of cytochrome c with the radical in cytochrome c peroxidase compound I. Journal of the American Chemical Society, 1993, 115, 3372-3373.	13.7	41
30	Electron transfer between cytochromec and cytochromec peroxidase. Journal of Bioenergetics and Biomembranes, 1995, 27, 341-351.	2.3	40
31	Definition of the Interaction Domain for Cytochrome con the Cytochrome bc 1 Complex. Journal of Biological Chemistry, 2000, 275, 9587-9595.	3.4	36
32	Photooxidation of Trp-191 in cytochrome c peroxidase by ruthenium-cytochrome c derivatives. Biochemistry, 1995, 34, 973-983.	2.5	33
33	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.	2.5	33
34	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.	13.7	26
35	A New Ruthenium Complex To Study Single-Electron Reduction of the Pulsed OH State of Detergent-Solubilized Cytochrome Oxidase. Biochemistry, 2007, 46, 14610-14618.	2.5	26
36	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.	7.1	24

#	Article	IF	Citations
37	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.	2.5	24
38	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.	3.4	23
39	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.	3.4	23
40	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.	2.4	20
41	Kinetics of Electron Transfer within Cytochrome bc1and Between Cytochrome bc1and Cytochrome c. Photosynthesis Research, 2004, 82, 1-16.	2.9	20
42	Chapter 28 Use of Ruthenium Photoreduction Techniques to Study Electron Transfer in Cytochrome Oxidase. Methods in Enzymology, 2009, 456, 507-520.	1.0	19
43	Role of the Low-Affinity Binding Site in Electron Transfer from Cytochromecto CytochromecPeroxidaseâ€. Biochemistry, 2002, 41, 3968-3976.	2.5	16
44	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.	1.0	16
45	Design of photoactive ruthenium complexes to study electron transfer and proton pumping in cytochrome oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 567-574.	1.0	13
46	Probing the Paracoccus denitrificans Cytochrome c1â"Cytochrome c552 Interaction by Mutagenesis and Fast Kinetics. Biochemistry, 2008, 47, 12974-12984.	2.5	11
47	Definition of the Interaction Domain and Electron Transfer Route between Cytochrome c and Cytochrome Oxidase. Biochemistry, 2019, 58, 4125-4135.	2.5	11
48	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.	2.5	9
49	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.	2.4	8
50	Chapter 5 Use of Ruthenium Photooxidation Techniques to Study Electron Transfer in the Cytochrome bc1 Complex. Methods in Enzymology, 2009, 456, 95-109.	1.0	8
51	Electron-Transfer Kinetics of Singly Labeled Ruthenium(II) Polypyridine Cytochrome c Derivatives. Advances in Chemistry Series, 1989, , 181-193.	0.6	6
52	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.	1.0	4