Stuart J Ferguson

List of Publications by Year in Descending Order

190 papers	7,351 citations	48 h-index	75 g-index
195 ext. papers	7,857 ext. citations	5.3 avg, IF	5.53 L-index

#	Paper	IF	Citations
190	Local frustration determines loop opening during the catalytic cycle of an oxidoreductase. *ELife*, **2020**, 9,	8.9	4
189	A dual functional redox enzyme maturation protein for respiratory and assimilatory nitrate reductases in bacteria. *Molecular Microbiology*, **2019**, 111, 1592-1603	4.1	11
188	The heme auxotroph Caenorhabditis elegans can cleave the thioether bonds of c-type cytochromes. *FEBS Letters*, **2018**, 592, 928-938	3.8	1
187	Paracoccus denitrificans Oxidative Phosphorylation: Retentions, Gains, Losses, and Lessons En Route to Mitochondria. *IUBMB Life*, **2018**, 70, 1214-1221	4.7	6
186	The CcmC-CcmE interaction during cytochrome maturation by System I is driven by protein-protein and not protein-heme contacts. *Journal of Biological Chemistry*, **2018**, 293, 16778-16790	5.4	4
185	Transcriptional and translational adaptation to aerobic nitrate anabolism in the denitrifier. *Biochemical Journal*, **2017**, 474, 1769-1787	3.8	8
184	The Paracoccus denitrificans NarK-like nitrate and nitrite transporters-probing nitrate uptake and nitrate/nitrite exchange mechanisms. *Molecular Microbiology*, **2017**, 103, 117-133	4.1	17
183	SAM - a helping hand in many places. *FEBS Letters*, **2016**, 590, 2536-7	3.8	1
182	Recent advances in the biosynthesis of modified tetrapyrroles: the discovery of an alternative pathway for the formation of heme and heme d 1. *Cellular and Molecular Life Sciences*, **2014**, 71, 2837-63	10.3	43
181	Substrate recognition of holocytochrome c synthase: N-terminal region and CXXCH motif of mitochondrial cytochrome c. *FEBS Letters*, **2014**, 588, 3367-74	3.8	8
180	An extended active-site motif controls the reactivity of the thioredoxin fold. *Journal of Biological Chemistry*, **2014**, 289, 8681-96	5.4	5
179	Cytochrome c assembly. *IUBMB Life*, **2013**, 65, 209-16	4.7	46
178	Probing heme delivery processes in cytochrome c biogenesis System I. *Biochemistry*, **2013**, 52, 7262-70	3.2	11
177	New perspectives on assembling c-type cytochromes, particularly from sulphate reducing bacteria and mitochondria. *Biochimica Et Biophysica Acta - Bioenergetics*, **2012**, 1817, 1754-8	4.6	3
176	1H, 13C and 15N resonance assignments for the oxidized and reduced states of the N-terminal domain of DsbD from Escherichia coli. *Biomolecular NMR Assignments*, **2012**, 6, 163-7	0.7	2
175	The interplay between the disulfide bond formation pathway and cytochrome c maturation in Escherichia coli. *FEBS Letters*, **2012**, 586, 1702-7	3.8	22
174	A pivotal heme-transfer reaction intermediate in cytochrome c biogenesis. *Journal of Biological Chemistry*, **2012**, 287, 2342-52	5.4	17

173	Vital dye reaction and granule localization in periplasm of Escherichia coli. *PLoS ONE*, **2012**, 7, e38427	3.7	10
172	A composite biochemical system for bacterial nitrate and nitrite assimilation as exemplified by Paracoccus denitrificans. *Biochemical Journal*, **2011**, 435, 743-53	3.8	42
171	Observation of fast release of NO from ferrous d1 haem allows formulation of a unified reaction mechanism for cytochrome cd1 nitrite reductases. *Biochemical Journal*, **2011**, 435, 217-25	3.8	23
170	Cytochrome cd1 Nitrite Reductase **2011**,		1
169	Cytochrome c biogenesis System I. *FEBS Journal*, **2011**, 278, 4170-8	5.7	68
168	Remarkable diversity in biosynthesis of c-type cytochromes in eukaryotes and prokaryotes. *FEBS Journal*, **2011**, 278, 4169	5.7	2
167	The mitochondrial cytochrome c N-terminal region is critical for maturation by holocytochrome c synthase. *FEBS Letters*, **2011**, 585, 1891-6	3.8	15
166	Mitochondrial cytochrome c synthase: CP motifs are not necessary for heme attachment to apocytochrome c. *FEBS Letters*, **2011**, 585, 3415-9	3.8	12
165	Oxidation state-dependent protein-protein interactions in disulfide cascades. *Journal of Biological Chemistry*, **2011**, 286, 24943-56	5.4	16
164	Molecular hijacking of siroheme for the synthesis of heme and d1 heme. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 18260-5	11.5	89
163	Comparing the substrate specificities of cytochrome c biogenesis Systems I and II: bioenergetics. *FEBS Journal*, **2010**, 277, 726-37	5.7	21
162	c-Type cytochrome biogenesis can occur via a natural Ccm system lacking CcmH, CcmG, and the heme-binding histidine of CcmE. *Journal of Biological Chemistry*, **2010**, 285, 22882-9	5.4	22
161	Aberrant attachment of heme to cytochrome by the Ccm system results in a cysteine persulfide linkage. *Journal of the American Chemical Society*, **2010**, 132, 4974-5	16.4	10
160	ATP synthase: from sequence to ring size to the P/O ratio. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 16755-6	11.5	73
159	NirJ, a radical SAM family member of the d1 heme biogenesis cluster. *FEBS Letters*, **2010**, 584, 2461-6	3.8	25
158	Control of periplasmic interdomain thiol:disulfide exchange in the transmembrane oxidoreductase DsbD. *Journal of Biological Chemistry*, **2009**, 284, 3219-3226	5.4	13
157	Structure of a trypanosomatid mitochondrial cytochrome c with heme attached via only one thioether bond and implications for the substrate recognition requirements of heme lyase. *FEBS Journal*, **2009**, 276, 2822-32	5.7	30
156	d(1) haem biogenesis - assessing the roles of three nir gene products. *FEBS Journal*, **2009**, 276, 6399-411	5.7	25

155	Probing the heme-binding site of the cytochrome c maturation protein CcmE. *Biochemistry*, **2009**, 48, 1820-8	3.2	25
154	Variant c-type cytochromes as probes of the substrate specificity of the E. coli cytochrome c maturation (Ccm) apparatus. *Biochemical Journal*, **2009**, 419, 177-84, 2 p following 184	3.8	18
153	The Role of Heme d1 in Denitrification **2009**, 390-399		1
152	Interdependence of two NarK domains in a fused nitrate/nitrite transporter. *Molecular Microbiology* , **2008**, 70, 667-81	4.1	41
151	Dispensable residues in the active site of the cytochrome c biogenesis protein CcmH. *FEBS Letters*, **2008**, 582, 3067-72	3.8	13
150	Cytochrome c assembly: a tale of ever increasing variation and mystery?. *Biochimica Et Biophysica Acta - Bioenergetics*, **2008**, 1777, 980-4	4.6	50
149	Energetic problems faced by micro-organisms growing or surviving on parsimonious energy sources and at acidic pH: I. Acidithiobacillus ferrooxidans as a paradigm. *Biochimica Et Biophysica Acta - Bioenergetics*, **2008**, 1777, 1471-9	4.6	44
148	Unexpected dependence on pH of NO release from Paracoccus pantotrophus cytochrome cd1. *Biochemical and Biophysical Research Communications*, **2008**, 371, 719-23	3.4	8
147	Very early reaction intermediates detected by microsecond time scale kinetics of cytochrome cd1-catalyzed reduction of nitrite. *Journal of Biological Chemistry*, **2008**, 283, 27403-27409	5.4	13
146	Pseudoazurin dramatically enhances the reaction profile of nitrite reduction by Paracoccus pantotrophus cytochrome cd1 and facilitates release of product nitric oxide. *Journal of Biological Chemistry*, **2008**, 283, 12555-63	5.4	16
145	Avoidance of the cytochrome c biogenesis system by periplasmic CXXCH motifs. *Biochemical Society Transactions*, **2008**, 36, 1124-8	5.1	6
144	Order within a mosaic distribution of mitochondrial c-type cytochrome biogenesis systems?. *FEBS Journal*, **2008**, 275, 2385-402	5.7	64
143	Loss of ATP hydrolysis activity by CcmAB results in loss of c-type cytochrome synthesis and incomplete processing of CcmE. *FEBS Journal*, **2007**, 274, 2322-32	5.7	39
142	Tuning the formation of a covalent haem-protein link by selection of reductive or oxidative conditions as exemplified by ascorbate peroxidase. *Biochemical Journal*, **2007**, 408, 355-61	3.8	15
141	Evolutionary origins of members of a superfamily of integral membrane cytochrome c biogenesis proteins. *Biochimica Et Biophysica Acta - Biomembranes*, **2007**, 1768, 2164-81	3.8	33
140	Active-site properties of the oxidized and reduced C-terminal domain of DsbD obtained by NMR spectroscopy. *Journal of Molecular Biology*, **2007**, 370, 643-58	6.5	25
139	A variant System I for cytochrome c biogenesis in archaea and some bacteria has a novel CcmE and no CcmH. *FEBS Letters*, **2006**, 580, 4827-34	3.8	29
138	Probing the unusual oxidation/reduction behavior of Paracoccus pantotrophus cytochrome cd1 nitrite reductase by replacing a switchable methionine heme iron ligand with histidine. *Biochemistry* , **2006**, 45, 11208-16	3.2	14

137	The histidine of the c-type cytochrome CXXCH haem-binding motif is essential for haem attachment by the Escherichia coli cytochrome c maturation (Ccm) apparatus. *Biochemical Journal*, **2005**, 389, 587-92	3.8	43
136	Functional characterization of the C-terminal domain of the cytochrome c maturation protein CcmE. *Journal of Biological Chemistry*, **2005**, 280, 36747-53	5.4	7
135	In vitro studies on thioether bond formation between Hydrogenobacter thermophilus apocytochrome c(552) with metalloprotoporphyrin derivatives. *Journal of Biological Chemistry*, **2004**, 279, 45347-53	5.4	20
134	The interaction of covalently bound heme with the cytochrome c maturation protein CcmE. *Journal of Biological Chemistry*, **2004**, 279, 51981-8	5.4	49
133	C-type cytochrome formation: chemical and biological enigmas. *Accounts of Chemical Research*, **2004**, 37, 999-1007	24.3	127
132	Paracoccus pantotrophus NapC can reductively activate cytochrome cd1 nitrite reductase. *FEBS Letters*, **2004**, 565, 48-52	3.8	8
131	Overproduction of CcmABCDEFGH restores cytochrome c maturation in a DsbD deletion strain of E. coli: another route for reductant?. *FEBS Letters*, **2004**, 576, 81-5	3.8	10
130	Maturation of the unusual single-cysteine (XXXCH) mitochondrial c-type cytochromes found in trypanosomatids must occur through a novel biogenesis pathway. *Biochemical Journal*, **2004**, 383, 537-42	3.8	55
129	Structure and kinetic properties of Paracoccus pantotrophus cytochrome cd1 nitrite reductase with the d1 heme active site ligand tyrosine 25 replaced by serine. *Journal of Biological Chemistry*, **2003**, 278, 11773-81	5.4	25
128	Cytochrome c maturation. The in vitro reactions of horse heart apocytochrome c and Paracoccus dentrificans apocytochrome c550 with heme. *Journal of Biological Chemistry*, **2003**, 278, 4404-9	5.4	32
127	C-type cytochromes: diverse structures and biogenesis systems pose evolutionary problems. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2003**, 358, 255-66	5.8	93
126	Interaction of heme with variants of the heme chaperone CcmE carrying active site mutations and a cleavable N-terminal His tag. *Journal of Biological Chemistry*, **2003**, 278, 20500-6	5.4	33
125	A mutant of Paracoccus denitrificans with disrupted genes coding for cytochrome c550 and pseudoazurin establishes these two proteins as the in vivo electron donors to cytochrome cd1 nitrite reductase. *Journal of Bacteriology*, **2003**, 185, 6308-15	3.5	47
124	A cytochrome b562 variant with a c-type cytochrome CXXCH heme-binding motif as a probe of the Escherichia coli cytochrome c maturation system. *Journal of Biological Chemistry*, **2003**, 278, 52075-83	5.4	49
123	Two domains of a dual-function NarK protein are required for nitrate uptake, the first step of denitrification in Paracoccus pantotrophus. *Molecular Microbiology*, **2002**, 44, 157-70	4.1	61
122	1H, 15N and 13C assignments of the carboxy-terminal domain of the transmembrane electron transfer protein DsbD. *Journal of Biomolecular NMR*, **2002**, 24, 359-60	3	4
121	The Escherichia coli cytochrome c maturation (Ccm) system does not detectably attach heme to single cysteine variants of an apocytochrome c. *Journal of Biological Chemistry*, **2002**, 277, 33559-63	5.4	41
120	In vitro formation of a c-type cytochrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 7872-6	11.5	89

119	Cytochrome cd1, reductive activation and kinetic analysis of a multifunctional respiratory enzyme. *Journal of Biological Chemistry*, **2002**, 277, 3093-100	5.4	42
118	The CcmE protein of the c-type cytochrome biogenesis system: unusual in vitro heme incorporation into apo-CcmE and transfer from holo-CcmE to apocytochrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 9703-8	11.5	62
117	A novel, kinetically stable, catalytically active, all-ferric, nitrite-bound complex of Paracoccus pantotrophus cytochrome cd1. *Biochemical Journal*, **2002**, 366, 883-8	3.8	12
116	Identification of two domains and distal histidine ligands to the four haems in the bacterial c-type cytochrome NapC; the prototype connector between quinol/quinone and periplasmic oxido-reductases. *Biochemical Journal*, **2002**, 368, 425-32	3.8	38
115	Mo(V) co-ordination in the periplasmic nitrate reductase from Paracoccus pantotrophus probed by electron nuclear double resonance (ENDOR) spectroscopy. *Biochemical Journal*, **2002**, 363, 817-823	3.8	28
114	A further clue to understanding the mobility of mitochondrial yeast cytochrome c: a (15)N T1rho investigation of the oxidized and reduced species. *FEBS Journal*, **2001**, 268, 4468-76		52
113	A partially folded intermediate species of the beta-sheet protein apo-pseudoazurin is trapped during proline-limited folding. *Protein Science*, **2001**, 10, 1216-24	6.3	26
112	Maximal expression of membrane-bound nitrate reductase in Paracoccus is induced by nitrate via a third FNR-like regulator named NarR. *Journal of Bacteriology*, **2001**, 183, 3606-13	3.5	51
111	Heme ligation and conformational plasticity in the isolated c domain of cytochrome cd1 nitrite reductase. *Journal of Biological Chemistry*, **2001**, 276, 5846-55	5.4	15
110	The cytochrome c domain of dimeric cytochrome cd(1) of Paracoccus pantotrophus can be produced at high levels as a monomeric holoprotein using an improved c-type cytochrome expression system in Escherichia coli. *Biochemical and Biophysical Research Communications*, **2001**, 281, 788-94	3.4	25
109	Amyloid fibril formation by a helical cytochrome. *FEBS Letters*, **2001**, 495, 184-6	3.8	107
108	Assignment of haem ligands and detection of electronic absorption bands of molybdenum in the di-haem periplasmic nitrate reductase of Paracoccus pantotrophus. *FEBS Letters*, **2001**, 500, 71-4	3.8	11
107	Escherichia coli DipZ: anatomy of a transmembrane protein disulphide reductase in which three pairs of cysteine residues, one in each of three domains, contribute differentially to function. *Molecular Microbiology*, **2000**, 35, 1360-74	4.1	48
106	A switch in heme axial ligation prepares Paracoccus pantotrophus cytochrome cd1 for catalysis. *Nature Structural Biology*, **2000**, 7, 885-8		35
105	ATP synthase: what dictates the size of a ring?. *Current Biology*, **2000**, 10, R804-8	6.3	46
104	The structure and dynamics in solution of Cu(I) pseudoazurin from Paracoccus pantotrophus. *Protein Science*, **2000**, 9, 846-58	6.3	20
103	X-ray crystallographic study of cyanide binding provides insights into the structure-function relationship for cytochrome cd1 nitrite reductase from Paracoccus pantotrophus. *Journal of Biological Chemistry*, **2000**, 275, 25089-94	5.4	45
102	Time-resolved infrared spectroscopy reveals a stable ferric heme-NO intermediate in the reaction of Paracoccus pantotrophus cytochrome cd1 nitrite reductase with nitrite. *Journal of Biological Chemistry*, **2000**, 275, 33231-7	5.4	52

101	A novel conformer of oxidized Paracoccus pantotrophus cytochrome cd(1) observed by freeze-quench NIR-MCD spectroscopy. *Biochemical and Biophysical Research Communications*, **2000**, 279, 674-7	3.4	13
100	Cytochrome cd(1) from Paracoccus pantotrophus exhibits kinetically gated, conformationally dependent, highly cooperative two-electron redox behavior. *Biochemistry*, **2000**, 39, 4243-9	3.2	47
99	Oxidase reaction of cytochrome cd(1) from Paracoccus pantotrophus. *Biochemistry*, **2000**, 39, 4028-36	3.2	34
98	Control of periplasmic nitrate reductase gene expression (napEDABC) from Paracoccus pantotrophus in response to oxygen and carbon substrates. *Microbiology (United Kingdom)*, **2000**, 146 (Pt 11), 2977-2985	2.9	55
97	Still a puzzle: why is haem covalently attached in c-type cytochromes?. *Structure*, **1999**, 7, R281-90	5.2	129
96	Models for molybdenum coordination during the catalytic cycle of periplasmic nitrate reductase from Paracoccus denitrificans derived from EPR and EXAFS spectroscopy. *Biochemistry*, **1999**, 38, 9000-12	3.2	89
95	Mutational analysis of the Paracoccus denitrificans c-type cytochrome biosynthetic genes ccmABCDG: disruption of ccmC has distinct effects suggesting a role for CcmC independent of CcmAB. *Microbiology (United Kingdom)*, **1999**, 145 (Pt 11), 3047-3057	2.9	23
94	Definition and distinction between assimilatory, dissimilatory and respiratory pathways. *Molecular Microbiology*, **1998**, 29, 664-6	4.1	46
93	Identification of the contiguous Paracoccus denitrificans ccmF and ccmH genes: disruption of ccmF, encoding a putative transporter, results in formation of an unstable apocytochrome c and deficiency in siderophore production. *Microbiology (United Kingdom)*, **1998**, 144 (Pt 2), 467-477	2.9	23
92	Spectroscopic characterization of a novel multiheme c-type cytochrome widely implicated in bacterial electron transport. *Journal of Biological Chemistry*, **1998**, 273, 28785-90	5.4	105
91	Molecular genetics of the genus Paracoccus: metabolically versatile bacteria with bioenergetic flexibility. *Microbiology and Molecular Biology Reviews*, **1998**, 62, 1046-78	13.2	166
90	The Paracoccus denitrificans ccmA, B and C genes: cloning and sequencing, and analysis of the potential of their products to form a haem or apo- c-type cytochrome transporter. *Microbiology (United Kingdom)*, **1997**, 143 (Pt 2), 563-576	2.9	45
89	The pseudoazurin gene from Thiosphaera pantotropha: analysis of upstream putative regulatory sequences and overexpression in Escherichia coli. *Biochemical Journal*, **1997**, 321 (Pt 3), 699-705	3.8	23
88	Two enzymes with a common function but different heme ligands in the forms as isolated. Optical and magnetic properties of the heme groups in the oxidized forms of nitrite reductase, cytochrome cd1, from Pseudomonas stutzeri and Thiosphaera pantotropha. *Biochemistry*, **1997**, 36, 16267-76	3.2	76
87	Cytochrome cd1 structure: unusual haem environments in a nitrite reductase and analysis of factors contributing to beta-propeller folds. *Journal of Molecular Biology*, **1997**, 269, 440-55	6.5	110
86	Pulse radiolysis studies on cytochrome cd1 nitrite reductase from Thiosphaera pantotropha: evidence for a fast intramolecular electron transfer from c-heme to d1-heme. *Biochemistry*, **1997**, 36, 13611-6	3.2	59
85	Haem-ligand switching during catalysis in crystals of a nitrogen-cycle enzyme. *Nature*, **1997**, 389, 406-12	50.4	258
84	Identification of an assimilatory nitrate reductase in mutants of Paracoccus denitrificans GB17 deficient in nitrate respiration. *Archives of Microbiology*, **1997**, 167, 61-6	3	29

83	Paracoccus denitrificans CcmG is a periplasmic protein-disulphide oxidoreductase required for c- and aa3-type cytochrome biogenesis; evidence for a reductase role in vivo. *Molecular Microbiology*, **1997**, 24, 977-90	4.1	58
82	Unexpected implications from the Helicobacter pylori genome for understanding periplasmic c-type cytochrome assembly in gram-negative bacteria in coexistence with disulphide bond formation. *Molecular Microbiology*, **1997**, 26, 413-5	4.1	7
81	Disruption of the Pseudomonas aeruginosa dipZ gene, encoding a putative protein-disulfide reductase, leads to partial pleiotropic deficiency in c-type cytochrome biogenesis. *Microbiology (United Kingdom)*, **1997**, 143 (Pt 10), 3111-3112	2.9	32
80	Mutants of Escherichia coli lacking disulphide oxidoreductases DsbA and DsbB cannot synthesise an exogenous monohaem c-type cytochrome except in the presence of disulphide compounds. *FEBS Letters*, **1996**, 398, 265-8	3.8	44
79	Structural investigation of the molybdenum site of the periplasmic nitrate reductase from Thiosphaera pantotropha by X-ray absorption spectroscopy. *Biochemical Journal*, **1996**, 317 (Pt 2), 557-63	3.8	13
78	Alteration of haem-attachment and signal-cleavage sites for Paracoccus denitrificans cytochrome C550 probes pathway of c-type cytochrome biogenesis in Escherichia coli. *Molecular Microbiology*, **1996**, 19, 1193-204	4.1	49
77	An alternative model for haem ligation in nitrate reductase and analogous respiratory cytochrome b complexes (response to the MicroCorrespondence by van der Oost et al.). *Molecular Microbiology*, **1996**, 22, 195-196	4.1	1
76	Cloning and sequence analysis of cycH gene from Paracoccus denitrificans: the cycH gene product is required for assembly of all c-type cytochromes, including cytochrome c1. *Molecular Microbiology*, **1995**, 15, 307-18	4.1	48
75	Sequence analysis of subunits of the membrane-bound nitrate reductase from a denitrifying bacterium: the integral membrane subunit provides a prototype for the dihaem electron-carrying arm of a redox loop. *Molecular Microbiology*, **1995**, 15, 319-31	4.1	128
74	Pseudospecific docking surfaces on electron transfer proteins as illustrated by pseudoazurin, cytochrome c550 and cytochrome cd1 nitrite reductase. *Nature Structural and Molecular Biology*, **1995**, 2, 975-82	17.6	100
73	Competition between hydrogen peroxide and nitrate for electrons from the respiratory chains ofThiosphaera pantotrophaandRhodobacter capsulatus. *FEMS Microbiology Letters*, **1995**, 132, 125-129	2.9	10
72	The anatomy of a bifunctional enzyme: structural basis for reduction of oxygen to water and synthesis of nitric oxide by cytochrome cd1. *Cell*, **1995**, 81, 369-77	56.2	257
71	Enzymes and associated electron transport systems that catalyse the respiratory reduction of nitrogen oxides and oxyanions. *Biochimica Et Biophysica Acta - Bioenergetics*, **1995**, 1232, 97-173	4.6	421
70	The expression of redox proteins of denitrification inThiosphaera pantotropha grown with oxygen, nitrate, and nitrous oxide as electron acceptors. *Archives of Microbiology*, **1995**, 164, 43-49	3	19
69	Mo(V) electron paramagnetic resonance signals from the periplasmic nitrate reductase of Thiosphaera pantotropha. *FEBS Journal*, **1994**, 226, 789-98		45
68	Purification and characterization of the periplasmic nitrate reductase from Thiosphaera pantotropha. *FEBS Journal*, **1994**, 220, 117-24		92
67	Characterisation and amino acid sequence of cytochrome c-550 from Thiosphaera pantotropha. *FEBS Journal*, **1994**, 219, 585-94		29
66	A mutation blocking the formation of membrane or periplasmic endogenous and exogenous c-type cytochromes in Escherichia coli permits the cytoplasmic formation of Hydrogenobacter thermophilus holo cytochrome c552. *FEBS Letters*, **1994**, 344, 207-10	3.8	24

65	Characterization of the paramagnetic iron-containing redox centres of Thiosphaera pantotropha periplasmic nitrate reductase. *FEBS Letters*, **1994**, 345, 76-80	3.8	50
64	Specific thiol compounds complement deficiency in c-type cytochrome biogenesis in Escherichia coli carrying a mutation in a membrane-bound disulphide isomerase-like protein. *FEBS Letters*, **1994** , 353, 235-8	3.8	63
63	Synthesis of holo Paracoccus denitrificans cytochrome c550 requires targeting to the periplasm whereas that of holo Hydrogenobacter thermophilus cytochrome c552 does not. Implications for c-type cytochrome biogenesis. *FEBS Letters*, **1994**, 340, 65-70	3.8	57
62	Similarities between mitochondrial and bacterial electron transport with particular reference to the action of inhibitors. *Biochemical Society Transactions*, **1994**, 22, 181-3	5.1	4
61	The purification of a cd1-type nitrite reductase from, and the absence of a copper-type nitrite reductase from, the aerobic denitrifier Thiosphaera pantotropha; the role of pseudoazurin as an electron donor. *FEBS Journal*, **1993**, 212, 377-85		93
60	Purification and characterization of a nitrous oxide reductase from Thiosphaera pantotropha. Implications for the mechanism of aerobic nitrous oxide reduction. *FEBS Journal*, **1993**, 212, 467-76		58
59	Sequence and expression of the gene encoding the respiratory nitrous-oxide reductase from Paracoccus denitrificans. New and conserved structural and regulatory motifs. *FEBS Journal*, **1993**, 218, 49-57		48
58	Mutants of Methylobacterium extorquens and Paracoccus denitrificans deficient in c-type cytochrome biogenesis synthesise the methylamine-dehydrogenase polypeptides but cannot assemble the tryptophan-tryptophylquinone group. *FEBS Journal*, **1993**, 218, 711-7		26
57	Simplicity and complexity in electron transfer between NADH and c-type cytochromes in bacteria. *Biochemical Society Transactions*, **1991**, 19, 581-8	5.1	10
56	Bacterial dimethyl sulphoxide reductases and nitrate reductases. *Biochemical Society Transactions*, **1991**, 19, 605-8	5.1	7
55	Cytochrome c2 is essential for electron transfer to nitrous oxide reductase from physiological substrates in Rhodobacter capsulatus and can act as an electron donor to the reductase in vitro. Correlation with photoinhibition studies. *FEBS Journal*, **1991**, 199, 677-83		46
54	The identification of cytochromes involved in the transfer of electrons to the periplasmic NO3-reductase of Rhodobacter capsulatus and resolution of a soluble NO3(-)-reductase--cytochrome-c552 redox complex. *FEBS Journal*, **1990**, 194, 263-70		37
53	The specific incorporation of labelled aromatic amino acids into proteins through growth of bacteria in the presence of glyphosate. Application to fluorotryptophan labelling to the H(+)-ATPase of Escherichia coli and NMR studies. *FEBS Letters*, **1990**, 272, 34-6	3.8	60
52	Periplasmic and membrane-bound respiratory nitrate reductases in Thiosphaera pantotropha. The periplasmic enzyme catalyzes the first step in aerobic denitrification. *FEBS Letters*, **1990**, 265, 85-7	3.8	162
51	The energy-conserving nitric-oxide-reductase system in Paracoccus denitrificans. Distinction from the nitrite reductase that catalyses synthesis of nitric oxide and evidence from trapping experiments for nitric oxide as a free intermediate during denitrification. *FEBS Journal*, **1989**, 179, 683-92		75
50	Electron transport pathways to nitrous oxide in Rhodobacter species. *FEBS Journal*, **1989**, 185, 659-69		30
49	Structure, control and assembly of a bacterial electron transport system as exemplified by Paracoccus denitrificans. *Biochemical Society Transactions*, **1989**, 17, 991-3	5.1	10
48	Respiratory nitrate reductase from Paracoccus denitrificans. Evidence for two b-type haems in the gamma subunit and properties of a water-soluble active enzyme containing alpha and beta subunits. *FEBS Journal*, **1988**, 174, 207-12		43

47	The role of auxiliary oxidants in maintaining redox balance during phototrophic growth of Rhodobacter capsulatus on propionate or butyrate. *Archives of Microbiology*, **1988**, 150, 131-137	3	90
46	Nitric oxide reductase of Paracoccus denitrificans. *Biochemical Society Transactions*, **1988**, 16, 187-188	5.1	9
45	Molecular properties of the respiratory nitrate reductase of Paracoccus denitrificans. *Biochemical Society Transactions*, **1987**, 15, 937-938	5.1	3
44	Anaerobic respiration in the Rhodospirillaceae: characterisation of pathways and evaluation of roles in redox balancing during photosynthesis. *FEMS Microbiology Letters*, **1987**, 46, 117-143	2.9	128
43	The nitrate reductase of Paracoccus denitrificans. *Biochemical Society Transactions*, **1986**, 14, 1204-1204	5.1	
42	NADH dehydrogenase of Paracoccus denitrificans. *Biochemical Society Transactions*, **1986**, 14, 1205-1206	5.1	
41	Specific chemical modification of a β-chain tyrosine residue as a probe for ligand binding to mitochondrial ATP synthase. *Biochemical Society Transactions*, **1986**, 14, 1206-1207	5.1	
40	The respiratory nitrate reductase from Paracoccus denitrificans. Molecular characterisation and kinetic properties. *FEBS Journal*, **1986**, 158, 429-36		96
39	Characterisation of phosphate binding to mitochondrial and bacterial membrane-bound ATP synthase by studies of inhibition with 4-chloro-7-nitrobenzofurazan. *FEBS Letters*, **1986**, 198, 113-8	3.8	27
38	Structural relationships between the NADH dehydrogenases of Paracoccus denitrificans and bovine heart mitochondria as revealed by immunological cross-reactivities. *FEBS Letters*, **1986**, 198, 135-9	3.8	10
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