# Stuart J Ferguson

List of Publications by Year
in descending order



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|---|---|---|---|
| 191 papers | 8,511 citations | 34076 52 h-index | 58549 82 g-index |
| 196 all docs | 196 docs citations | 196 times ranked | 4430 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. | 0.5 | 516 |
| 2 | Haem-ligand switching during catalysis in crystals of a nitrogen-cycle enzyme. Nature, 1997, 389, 406-412. | 13.7 | 294 |
| 3 | 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, 369-377. | 13.5 | 291 |
| 4 | Periplasmic and membrane-bound respiratory nitrate reductases inThiosphaera pantotropha. FEBS Letters, 1990, 265, 85-87. | 1.3 | 219 |
| 5 | Molecular Genetics of the Genus <i>Paracoccus</i> : Metabolically Versatile Bacteria with Bioenergetic Flexibility. Microbiology and Molecular Biology Reviews, 1998, 62, 1046-1078. | 2.9 | 217 |
| 6 | Anaerobic respiration in the Rhodospirillaceae: characterisation of pathways and evaluation of roles in redox balancing during photosynthesis. FEMS Microbiology Letters, 1987, 46, 117-143. | 0.7 | 151 |
| 7 | Still a puzzle: why is haem covalently attached in c-type cytochromes?. Structure, 1999, 7, R281-R290. | 1.6 | 147 |
| 8 | 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, 319-331. | 1.2 | 144 |
| 9 | C-type Cytochrome Formation:Â Chemical and Biological Enigmas. Accounts of Chemical Research, 2004, 37, 999-1007. | 7.6 | 137 |
| 10 | Spectroscopic Characterization of a Novel Multihemec-Type Cytochrome Widely Implicated in Bacterial Electron Transport. Journal of Biological Chemistry, 1998, 273, 28785-28790. | 1.6 | 129 |
| 11 | Molecular hijacking of siroheme for the synthesis of heme and <i>d</i> <sub>1</sub> heme. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18260-18265. | 3.3 | 121 |
| 12 | The respiratory nitrate reductase from Paracoccus denitrificans. Molecular characterisation and kinetic properties. FEBS Journal, 1986, 158, 429-436. | 0.2 | 118 |
| 13 | Cytochrome cd 1 Structure: unusual haem environments in a nitrite reductase and analysis of factors contributing to Î²-propeller folds 1 1Edited by K. Nagai. Journal of Molecular Biology, 1997, 269, 440-455. | 2.0 | 117 |
| 14 | Amyloid fibril formation by a helical cytochrome. FEBS Letters, 2001, 495, 184-186. | 1.3 | 117 |
| 15 | 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, 377-385. | 0.2 | 116 |
| 16 | Purification and characterization of the periplasmic nitrate reductase from Thiosphaera pantotropha. FEBS Journal, 1994, 220, 117-124. | 0.2 | 115 |
| 17 | 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, 975-982. | 3.6 | 112 |
| 18 | C-type cytochromes: diverse structures and biogenesis systems pose evolutionary problems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 255-266. | 1.8 | 100 |

| # | Article | IF | Citations |
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| 19 | Models for Molybdenum Coordination during the Catalytic Cycle of Periplasmic Nitrate Reductase from Paracoccus denitrificans Derived from EPR and EXAFS Spectroscopy. Biochemistry, 1999, 38, 9000-9012. | 1.2 | 99 |
| 20 | 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. | 1.0 | 98 |
| 21 | In vitro formation of a c-type cytochrome. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7872-7876. | 3.3 | 95 |
| 22 | 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, 16755-16756. | 3.3 | 93 |
| 23 | 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, 683-692. | 0.2 | 89 |
| 24 | Cytochrome <i>c</i> biogenesis System I. FEBS Journal, 2011, 278, 4170-4178. | 2.2 | 82 |
| 25 | 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, 16267-16276. | 1.2 | 80 |
| 26 | Order within a mosaic distribution of mitochondrial <i>c</i>â€‘type cytochrome biogenesis systems?. FEBS Journal, 2008, 275, 2385-2402. | 2.2 | 79 |
| 27 | Purification and characterization of a nitrous oxide reductase from Thiosphaera pantotropha. Implications for the mechanism of aerobic nitrous oxide reduction. FEBS Journal, 1993, 212, 467-476. | 0.2 | 77 |
| 28 | Specific thiol compounds complement deficiency inc-type cytochrome biogenesis inEscherichia colicarrying a mutation in a membrane-bound disulphide isomerase-like protein. FEBS Letters, 1994, 353, 235-238. | 1.3 | 72 |
| 29 | The protonmotive force in phosphorylating membrane vesicles from Paracoccus denitrificans. Magnitude, sites of generation and comparison with the phosphorylation potential. Biochemical Journal, 1978, 174, 257-266. | 1.7 | 67 |
| 30 | Control of periplasmic nitrate reductase gene expression (napEDABC) from Paracoccus pantotrophus in response to oxygen and carbon substrates. Microbiology (United Kingdom), 2000, 146, 2977-2985. | 0.7 | 67 |
| 31 | Electron flow to dimethylsulphoxide or trimethylamine-N-oxide generates a membrane potential in Rhodopseudomonas capsulata. Archives of Microbiology, 1983, 136, 300-305. | 1.0 | 65 |
| 32 | Selection and organisation of denitrifying electron-transfer pathways in Paracoccus denitrificans. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 724, 20-39. | 0.5 | 65 |
| 33 | 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, 9703-9708. | 3.3 | 65 |
| 34 | The specific incorporation of labelled aromatic amino acids into proteins through growth of bacteria in the presence of glyphosate. FEBS Letters, 1990, 272, 34-36. | 1.3 | 64 |
| 35 | 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, 3606-3613. | 1.0 | 64 |
| 36 | Synthesis of holoParacoccus denitrificanscytochromec550requires targeting to the periplasm whereas that of holoHydrogenobacter thermophiluscytochromec552does not. FEBS Letters, 1994, 340, 65-70. | 1.3 | 63 |

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| 37 | Pulse Radiolysis Studies on Cytochrome cd1 Nitrite Reductase from Thiosphaera pantotropha:â€‰ Evidence for a Fast Intramolecular Electron Transfer from c-Heme to d1-Heme. Biochemistry, 1997, 36, 13611-13616. | 1.2 | 63 |
| 38 | Paracoccus denitrificans CcmG is a periplasmic proteinâ€"disulphide oxidoreductase required for c â€• and aa 3 â€‑type cytochrome biogenesis; evidence for a reductase role in vivo. Molecular Microbiology, 1997, 24, 977-990. | 1.2 | 63 |
| 39 | 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, 157-170. | 1.2 | 63 |
| 40 | 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, 537-542. | 1.7 | 62 |
| 41 | Characterization of the paramagnetic iron-containing redox centres ofThiosphaera pantotrophaperiplasmic nitrate reductase. FEBS Letters, 1994, 345, 76-80. | 1.3 | 61 |
| 42 | 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, 1471-1479. | 0.5 | 59 |
| 43 | 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. | 0.2 | 58 |
| 44 | Alteration of haem-attachment and signal-cleavage sites for Paracoccus denitrificans cytochrome c550probes pathway of c-type cytochrome biogenesis in Escherichia coli. Molecular Microbiology, 1996, 19, 1193-1204. | 1.2 | 58 |
| 45 | ATP synthase: What dictates the size of a ring?. Current Biology, 2000, 10, R804-R808. | 1.8 | 58 |
| 46 | Time-resolved Infrared Spectroscopy Reveals a Stable Ferric Heme-NO Intermediate in the Reaction of Paracoccus pantotrophus Cytochrome cd 1 Nitrite Reductase with Nitrite. Journal of Biological Chemistry, 2000, 275, 33231-33237. | 1.6 | 57 |
| 47 | Cytochrome c assembly: A tale of ever increasing variation and mystery?. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 980-984. | 0.5 | 56 |
| 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, 207-212. | 0.2 | 55 |
| 49 | Mo(V) Electron Paramagnetic Resonance Signals from the Periplasmic Nitrate Reductase of Thiosphaera Pantotropha. FEBS Journal, 1994, 226, 789-798. | 0.2 | 55 |
| 50 | A composite biochemical system for bacterial nitrate and nitrite assimilation as exemplified by<i>Paracoccus denitrificans</i>. Biochemical Journal, 2011, 435, 743-753. | 1.7 | 55 |
| 51 | Definition and distinction between assimilatory, dissimilatory and respiratory pathways. Molecular Microbiology, 1998, 29, 664-666. | 1.2 | 54 |
| 52 | A Mutant of Paracoccus denitrificans with Disrupted Genes Coding for Cytochrome c 550 and Pseudoazurin Establishes These Two Proteins as the In Vivo Electron Donors to Cytochrome cd 1 Nitrite Reductase. Journal of Bacteriology, 2003, 185, 6308-6315. | 1.0 | 54 |
| 53 | The Interaction of Covalently Bound Heme with the Cytochrome c Maturation Protein CcmE. Journal of Biological Chemistry, 2004, 279, 51981-51988. | 1.6 | 54 |
| 54 | Cytochrome <i>c</i> assembly. IUBMB Life, 2013, 65, 209-216. | 1.5 | 54 |

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| 55 | 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, 2837-2863. | 2.4 | 54 |
| 56 | The high affinity of Paracoccus denitrificans cells for nitrate as an electron acceptor. Analysis of possible mechanisms of nitrate and nitrite movement across the plasma membrane and the basis for inhibition by added nitrite of oxidase activity in permeabilised cells. Biochimica Et Biophysica Acta - Bioenergetics, 1985, 807, 81-95. | 0.5 | 53 |
| 57 | 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, 677-683. | 0.2 | 53 |
| 58 | Cloning and sequence analysis of cycH gene from Paracoccus denitrificans: the cycH gene product n required for assembly of all c-type cytochromes, including cytochrome c1. Molecular Microbiology, 1995, 15, 307-318. | 1.2 | 53 |
| 59 | A further clue to understanding the mobility of mitochondrial yeast cytochrome c. FEBS Journal, 2001, 268, 4468-4476. | 0.2 | 53 |
| 60 | Loss of ATP hydrolysis activity by CcmAB results in loss of c-type cytochrome synthesis and incomplete processing of CcmE. FEBS Journal, 2007, 274, 2322-2332. | 2.2 | 53 |
| 61 | Cytochrome cd1, Reductive Activation and Kinetic Analysis of a Multifunctional Respiratory Enzyme. Journal of Biological Chemistry, 2002, 277, 3093-3100. | 1.6 | 51 |
| 62 | 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, 563-576. | 0.7 | 50 |
| 63 | 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, 2002, 35, 1360-1374. | 1.2 | 50 |
| 64 | Tyrosine-311 of a beta chain is the essential residue specifically modified by 4-chloro-7-nitrobenzofurazan in bovine heart mitochondrial ATPase. FEBS Journal, 1985, 148, 551-554. | 0.2 | 49 |
| 65 | Cytochromecd1fromParacoccus pantotrophusExhibits Kinetically Gated, Conformationally Dependent, Highly Cooperative Two-Electron Redox Behaviorâ€. Biochemistry, 2000, 39, 4243-4249. | 1.2 | 49 |
| 66 | 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, 52075-52083. | 1.6 | 49 |
| 67 | The identification of cytochromes involved in the transfer of electrons to the periplasmic NO-3 reductase of Rhodobacter capsulatus and resolution of a soluble NO-3 -reductase - cytochrome-c552 redox complex. FEBS Journal, 1990, 194, 263-270. | 0.2 | 48 |
| 68 | Mutants ofEscherichia colilacking disulphide oxdoreductases DsbA and DsbB cannot synthesise an exogenous monohaemc-type cytochrome except in the presence of disulphide compounds. FEBS Letters, 1996, 398, 265-268. | 1.3 | 48 |
| 69 | X-ray Crystallographic Study of Cyanide Binding Provides Insights into the Structure-Function Relationship for Cytochromecd 1 Nitrite Reductase from Paracoccus pantotrophus. Journal of Biological Chemistry, 2000, 275, 25089-25094. | 1.6 | 47 |
| 70 | 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, 587-592. | 1.7 | 47 |
| 71 | Interdependence of two NarK domains in a fused nitrate/nitrite transporter. Molecular Microbiology, 2008, 70, 667-681. | 1.2 | 45 |
| 72 | On the Current-Voltage Relationships of Energy-Transducing Membranes: Phosphorylating Membrane Vesicles from Paracoccus denitrificans. Biochemical Society Transactions, 1978, 6, 1292-1295. | 1.6 | 41 |

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| 73 | The Escherichia coli Cytochrome cMaturation (Ccm) System Does Not Detectably Attach Heme to Single Cysteine Variants of an Apocytochrome c. Journal of Biological Chemistry, 2002, 277, 33559-33563. | 1.6 | 41 |
| 74 | Evolutionary origins of members of a superfamily of integral membrane cytochrome c biogenesis proteins. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2164-2181. | 1.4 | 41 |
| 75 | 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, 425-432. | 1.7 | 40 |
| 76 | <i>d</i><sub>1</sub>â€ƒhaem biogenesis â€“ assessing the roles of three <i>nir</i> gene products. FEBS Journal, 2009, 276, 6399-6411. | 2.2 | 40 |
| 77 | The basis of the control of nitrate reduction by oxygen inParacoccus denitrificans. FEMS Microbiology Letters, 1981, 12, 321-326. | 0.7 | 39 |
| 78 | A nitrate reductase activity inRhodopseudomonas capsulatalinked to electron transfer and generation of a membrane potential. FEBS Letters, 1982, 150, 277-280. | 1.3 | 39 |
| 79 | Partial uncoupling, or inhibition of electron transport rate, have equivalent effects on the relationship between the rate of ATP synthesis and proton-motive force in submitochondrial particles. FEBS Letters, 1985, 181, 323-327. | 1.3 | 39 |
| 80 | A switch in heme axial ligation prepares Paracoccus pantotrophus cytochrome cd1 for catalysis. Nature Structural Biology, 2000, 7, 885-888. | 9.7 | 38 |
| 81 | Oxidase Reaction of Cytochrome cd1 from Paracoccus pantotrophus. Biochemistry, 2000, 39, 4028-4036. | 1.2 | 37 |
| 82 | 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, 20500-20506. | 1.6 | 37 |
| 83 | Aspects of the control and organization of bacterial electron transport. Biochemical Society Transactions, 1982, 10, 198-200. | 1.6 | 36 |
| 84 | Characterisation and amino acid sequence of cytochrome c-550 from Thiosphaera pantotropha. FEBS Journal, 1994, 219, 585-594. | 0.2 | 33 |
| 85 | Identification of an assimilatory nitrate reductase in mutants of Paracoccus denitrificans GB17 deficient in nitrate respiration. Archives of Microbiology, 1997, 167, 61-66. | 1.0 | 33 |
| 86 | Cytochrome c Maturation. Journal of Biological Chemistry, 2003, 278, 4404-4409. | 1.6 | 33 |
| 87 | A variant System I for cytochromecbiogenesis in archaea and some bacteria has a novel CcmE and no CcmH. FEBS Letters, 2006, 580, 4827-4834. | 1.3 | 33 |
| 88 | Measurements of the components of the protonmotive force generated by cytochrome oxidase in submitochondrial particles. FEBS Letters, 1978, 90, 178-182. | 1.3 | 32 |
| 89 | 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, 113-118. | 1.3 | 32 |
| 90 | Electron transport pathways to nitrous oxide in Rhodobacter species. FEBS Journal, 1989, 185, 659-669. | 0.2 | 32 |

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| 91 | 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) Tj ETQq1 1 0.784314 rg BT /Overlock 10 Tf | 0.7 | 32 |
| 92 | Structure of a trypanosomatid mitochondrial cytochromeâ€ƒ<i>c</i> with heme attached via only one thioether bond and implications for the substrate recognition requirements of heme lyase. FEBS Journal, 2009, 276, 2822-2832. | 2.2 | 31 |
| 93 | 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, 711-717. | 0.2 | 30 |
| 94 | 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. | 1.7 | 30 |
| 95 | The <scp><i>P</i></scp><i>aracoccus denitrificans</i><scp>N</scp>ar<scp>K</scp>â€like nitrate and nitrite transportersâ€"probing nitrate uptake and nitrate/nitrite exchange mechanisms. Molecular Microbiology, 2017, 103, 117-133. | 1.2 | 30 |
| 96 | 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, 467-477. | 0.7 | 29 |
| 97 | 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, 11773-11781. | 1.6 | 29 |
| 98 | Active-site Properties of the Oxidized and Reduced C-terminal Domain of DsbD Obtained by NMR Spectroscopy. Journal of Molecular Biology, 2007, 370, 643-658. | 2.0 | 28 |
| 99 | Observation of fast release of NO from ferrous <i>d</i>1 haem allows formulation of a unified reaction mechanism for cytochrome <i>cd</i>1 nitrite reductases. Biochemical Journal, 2011, 435, 217-225. | 1.7 | 28 |
| 100 | The pseudoazurin gene from Thiosphaera pantotropha: analysis of upstream putative regulatory sequences and overexpression in Escherichia coli. Biochemical Journal, 1997, 321, 699-705. | 1.7 | 27 |
| 101 | Probing the Heme-Binding Site of the Cytochrome c Maturation Protein CcmE. Biochemistry, 2009, 48, 1820-1828. | 1.2 | 27 |
| 102 | NirJ, a radical SAM family member of the <i>d</i><sub>1</sub> heme biogenesis cluster. FEBS Letters, 2010, 584, 2461-2466. | 1.3 | 27 |
| 103 | A partially folded intermediate species of the Î²-sheet protein apo-pseudoazurin is trapped during proline-limited folding. Protein Science, 2001, 10, 1216-1224. | 3.1 | 26 |
| 104 | The Cytochrome c Domain of Dimeric Cytochrome cd1 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, 788-794. | 1.0 | 25 |
| 105 | A mutation blocking the formation of membrane or periplasmic endogenous and exogenousc-type cytochromes inEscherichia colipermits the cytoplasmic formation ofHydrogenobacter thermophilusholo cytochromec552. FEBS Letters, 1994, 344, 207-210. | 1.3 | 24 |
| 106 | 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. | 1.0 | 24 |
| 107 | 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, 22882-22889. | 1.6 | 24 |
| 108 | Transcriptional and translational adaptation to aerobic nitrate anabolism in the denitrifier <i>Paracoccus denitrificans</i>. Biochemical Journal, 2017, 474, 1769-1787. | 1.7 | 24 |

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| 109 | Reassessment of pathways of electron flow to nitrate reductase that are coupled to energy conservation in Paracoccus denitrificans. FEBS Letters, 1983, 153, 108-112. | 1.3 | 23 |
| 110 | In Vitro Studies on Thioether Bond Formation between Hydrogenobacter thermophilus Apocytochrome c552 with Metalloprotoporphyrin Derivatives. Journal of Biological Chemistry, 2004, 279, 45347-45353. | 1.6 | 23 |
| 111 | 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 The GenBank accession number for the sequence determined in this work is Z71971.. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Ove | 0.7 | 23 |
| 112 | Complete Assignment of Aromatic 1H Nuclear Magnetic Resonances of the Tyrosine Residues of Hen Lysozyme. FEBS Journal, 1978, 92, 99-103. | 0.2 | 22 |
| 113 | Structural investigation of the molybdenum site of the periplasmic nitrate reductase from Thiosphaera pantotropha by X-ray absorption spectroscopy. Biochemical Journal, 1996, 317, 557-563. | 1.7 | 22 |
| 114 | The interplay between the disulfide bond formation pathway and cytochrome <i>c</i> maturation in <i>Escherichia coli</i>. FEBS Letters, 2012, 586, 1702-1707. | 1.3 | 22 |
| 115 | Immunochemical identification of a two-subunit NADH-ubiquinone oxidoreductase from Paracoccus denitrificans. FEBS Journal, 1984, 143, 567-573. | 0.2 | 21 |
| 116 | Comparing the substrate specificities of cytochrome <i>c</i> biogenesis Systems I and II. FEBS Journal, 2010, 277, 726-737. | 2.2 | 21 |
| 117 | Oxidation State-dependent Protein-Protein Interactions in Disulfide Cascades. Journal of Biological Chemistry, 2011, 286, 24943-24956. | 1.6 | 21 |
| 118 | The structure and dynamics in solution of Cu(I) pseudoazurin from <i>Paracoccus pantotrophus</i>. Protein Science, 2000, 9, 846-858. | 3.1 | 20 |
| 119 | Is a proton-pumping cytochrome oxidase essential for energy conservation inNitrobacter?. FEBS Letters, 1982, 146, 239-243. | 1.3 | 19 |
| 120 | Characterisation of Membrane Vesicles from Paracoccus denitrificans and Measurements of the Effect of Partial Uncoupling on Their Thermodynamics of Oxidative Phosphorylation. FEBS Journal, 1983, 132, 417-424. | 0.2 | 19 |
| 121 | The Effects of Partial Uncoupling upon the Kinetics of ATP Synthesis by Vesicles from Paracoccus denitrificans and by Bovine Heart Sybmitochondrial Particles. Implications for the Mechanism of the Proton-Translocating ATP Synthase. FEBS Journal, 1983, 132, 425-431. | 0.2 | 19 |
| 122 | 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, 12555-12563. | 1.6 | 19 |
| 123 | A dual functional redox enzyme maturation protein for respiratory and assimilatory nitrate reductases in bacteria. Molecular Microbiology, 2019, 111, 1592-1603. | 1.2 | 19 |
| 124 | The Inhibitor-Sensitivity of the Plasma-Membrane Adenosine Triphosphatase of Paracoccus denitrificans: Comparison with the Mitochondrial Adenosine Triphosphatase. Biochemical Society Transactions, 1977, 5, 1525-1527. | 1.6 | 18 |
| 125 | Variant <i>c</i>-type cytochromes as probes of the substrate specificity of the <i>E. coli</i> cytochrome <i>c</i> maturation (Ccm) apparatus. Biochemical Journal, 2009, 419, 177-186. | 1.7 | 18 |
| 126 | A Pivotal Heme-transfer Reaction Intermediate in Cytochrome c Biogenesis. Journal of Biological Chemistry, 2012, 287, 2342-2352. | 1.6 | 18 |

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| 127 | Clarification of Factors Influencing the Nature and Magnitude of the Protonmotive Force in Bovine Heart Submitochondrial Particles. FEBS Journal, 1981, 116, 341-346. | 0.2 | 17 |
| 128 | Heme Ligation and Conformational Plasticity in the Isolatedc Domain of Cytochrome cd 1 Nitrite Reductase. Journal of Biological Chemistry, 2001, 276, 5846-5855. | 1.6 | 17 |
| 129 | Tuning the formation of a covalent haemâ€“protein link by selection of reductive or oxidative conditions as exemplified by ascorbate peroxidase. Biochemical Journal, 2007, 408, 355-361. | 1.7 | 17 |
| 130 | Control of Periplasmic Interdomain Thiol:Disulfide Exchange in the Transmembrane Oxidoreductase DsbD. Journal of Biological Chemistry, 2009, 284, 3219-3226. | 1.6 | 16 |
| 131 | Direct observation with an electrode of uncoupler-sensitive assimilatory nitrate uptake by Rhodopseudomonas capsulata. FEBS Letters, 1981, 136, 275-278. | 1.3 | 15 |
| 132 | Identification of an essential Î² chain lysine residue from bovine heart mitochondrial ATPase specifically modified with nitrobenzofurazan. FEBS Letters, 1985, 179, 283-288. | 1.3 | 15 |
| 133 | Probing the Unusual Oxidation/Reduction Behavior ofParacoccus pantotrophusCytochromecd1Nitrite Reductase by Replacing a Switchable Methionine Heme Iron Ligand with Histidineâ€. Biochemistry, 2006, 45, 11208-11216. | 1.2 | 15 |
| 134 | The mitochondrial cytochrome c N-terminal region is critical for maturation by holocytochrome c synthase. FEBS Letters, 2011, 585, 1891-1896. | 1.3 | 15 |
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