

Julea N Butt

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130
papers

5,290
citations

40
h-index

68
g-index

137
ext. papers

6,056
ext. citations

7.1
avg, IF

5.32
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 130 | Characterization of an electron conduit between bacteria and the extracellular environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22169-74 | 11.5 | 322 |
| 129 | Structure of a bacterial cell surface decaheme electron conduit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9384-9 | 11.5 | 262 |
| 128 | Characterization of <i>Shewanella oneidensis</i> MtrC: a cell-surface decaheme cytochrome involved in respiratory electron transport to extracellular electron acceptors. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 1083-94 | 3.7 | 173 |
| 127 | The Iporin-cytochrome model for microbe-to-mineral electron transfer. <i>Molecular Microbiology</i> , 2012 , 85, 201-12 | 4.1 | 161 |
| 126 | Multi-haem cytochromes in <i>Shewanella oneidensis</i> MR-1: structures, functions and opportunities. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20141117 | 4.1 | 146 |
| 125 | Carbon Dots as Versatile Photosensitizers for Solar-Driven Catalysis with Redox Enzymes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16722-16730 | 16.4 | 144 |
| 124 | Rapid electron exchange between surface-exposed bacterial cytochromes and Fe(III) minerals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6346-51 | 11.5 | 141 |
| 123 | Structure and spectroscopy of the periplasmic cytochrome c nitrite reductase from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2002 , 41, 2921-31 | 3.2 | 140 |
| 122 | A trans-outer membrane porin-cytochrome protein complex for extracellular electron transfer by <i>Geobacter sulfurreducens</i> PCA. <i>Environmental Microbiology Reports</i> , 2014 , 6, 776-85 | 3.7 | 130 |
| 121 | Identification and Characterization of MtoA: A Decaheme c-Type Cytochrome of the Neutrophilic Fe(II)-Oxidizing Bacterium <i>Sideroxydans lithotrophicus</i> ES-1. <i>Frontiers in Microbiology</i> , 2012 , 3, 37 | 5.7 | 130 |
| 120 | Redox Linked Flavin Sites in Extracellular Decaheme Proteins Involved in Microbe-Mineral Electron Transfer. <i>Scientific Reports</i> , 2015 , 5, 11677 | 4.9 | 113 |
| 119 | Catalytic protein film voltammetry from a respiratory nitrate reductase provides evidence for complex electrochemical modulation of enzyme activity. <i>Biochemistry</i> , 2001 , 40, 11294-307 | 3.2 | 102 |
| 118 | Look on the positive side! The orientation, identification and bioenergetics of Archaeal membrane-bound nitrate reductases. <i>FEMS Microbiology Letters</i> , 2007 , 276, 129-39 | 2.9 | 92 |
| 117 | Methylene blue as an electrochemical discriminator of single- and double-stranded oligonucleotides immobilised on gold substrates. <i>Analyst</i> , 2001 , 126, 1756-9 | 5 | 89 |
| 116 | A functional description of CymA, an electron-transfer hub supporting anaerobic respiratory flexibility in <i>Shewanella</i> . <i>Biochemical Journal</i> , 2012 , 444, 465-74 | 3.8 | 88 |
| 115 | Spectropotentiometric and structural analysis of the periplasmic nitrate reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2007 , 282, 6425-37 | 5.4 | 87 |
| 114 | Investigation of metal ion uptake reactivities of [3Fe-4S] clusters in proteins: voltammetry of co-adsorbed ferredoxin-aminocyclitol films at graphite electrodes and spectroscopic identification of transformed clusters. <i>Journal of the American Chemical Society</i> , 1991 , 113, 6663-6670 | 16.4 | 87 |

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| 113 | The nitric oxide reductase activity of cytochrome c nitrite reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2008 , 283, 9587-94 | 5.4 | 83 |
| 112 | Novel Redox Chemistry of [3Fe4S] Clusters: Electrochemical Characterization of the All-Fe(II) Form of the [3Fe4S] Cluster Generated Reversibly in Various Proteins and Its Spectroscopic Investigation in <i>Sulfolobus acidocaldarius</i> Ferredoxin. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8593-8603 | 16.4 | 79 |
| 111 | Protein film voltammetry reveals distinctive fingerprints of nitrite and hydroxylamine reduction by a cytochrome C nitrite reductase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 23374-81 | 5.4 | 75 |
| 110 | The hydrogen-peroxide-induced radical behaviour in human cytochrome c-phospholipid complexes: implications for the enhanced pro-apoptotic activity of the G41S mutant. <i>Biochemical Journal</i> , 2013 , 456, 441-52 | 3.8 | 67 |
| 109 | Characterization of Anammox Hydrazine Dehydrogenase, a Key N ₂ -producing Enzyme in the Global Nitrogen Cycle. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17077-92 | 5.4 | 65 |
| 108 | Structural basis of biological NO generation by octaheme oxidoreductases. <i>Journal of Biological Chemistry</i> , 2014 , 289, 1228-42 | 5.4 | 65 |
| 107 | Menaquinone-7 is specific cofactor in tetraheme quinol dehydrogenase CymA. <i>Journal of Biological Chemistry</i> , 2012 , 287, 14215-25 | 5.4 | 64 |
| 106 | Tuning a nitrate reductase for function. The first spectropotentiometric characterization of a bacterial assimilatory nitrate reductase reveals novel redox properties. <i>Journal of Biological Chemistry</i> , 2004 , 279, 32212-8 | 5.4 | 64 |
| 105 | Probing a complex of cytochrome c and cardiolipin by magnetic circular dichroism spectroscopy: implications for the initial events in apoptosis. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19676-9 | 16.4 | 63 |
| 104 | Multiple forms of the catalytic centre, CuZ, in the enzyme nitrous oxide reductase from <i>Paracoccus pantotrophus</i> . <i>Biochemical Journal</i> , 2002 , 364, 807-15 | 3.8 | 63 |
| 103 | The X-ray crystal structure of <i>Shewanella oneidensis</i> OmcA reveals new insight at the microbe-mineral interface. <i>FEBS Letters</i> , 2014 , 588, 1886-90 | 3.8 | 62 |
| 102 | Characterization of a flavocytochrome that is induced during the anaerobic respiration of Fe ³⁺ by <i>Shewanella frigidimarina</i> NCIMB400. <i>Biochemical Journal</i> , 1999 , 342, 439-448 | 3.8 | 58 |
| 101 | Direct electrochemistry of <i>Megasphaera elsdenii</i> iron hydrogenase. Definition of the enzyme's catalytic operating potential and quantitation of the catalytic behaviour over a continuous potential range. <i>FEBS Journal</i> , 1997 , 245, 116-22 | | 56 |
| 100 | Voltammetric studies of redox-active centers in metalloproteins adsorbed on electrodes. <i>Methods in Enzymology</i> , 1993 , 227, 479-500 | 1.7 | 55 |
| 99 | Identification of the iron-sulfur clusters in a ferredoxin from the archaeon <i>Sulfolobus acidocaldarius</i> . Evidence for a reduced [3Fe-4S] cluster with pH-dependent electronic properties. <i>FEBS Journal</i> , 1995 , 233, 937-46 | | 55 |
| 98 | The crystal structure of the extracellular 11-heme cytochrome UndA reveals a conserved 10-heme motif and defined binding site for soluble iron chelates. <i>Structure</i> , 2012 , 20, 1275-84 | 5.2 | 52 |
| 97 | Protein-protein interaction regulates the direction of catalysis and electron transfer in a redox enzyme complex. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10550-6 | 16.4 | 52 |
| 96 | Binding of thallium(I) to a [3Fe-4S] cluster: evidence for rapid and reversible formation of [Tl3Fe-4S] ²⁺ and [Tl3Fe-4S] ¹⁺ centers in a ferredoxin. <i>Journal of the American Chemical Society</i> , 1991 , 113, 8948-8950 | 16.4 | 52 |

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| 95 | The Crystal Structure of a Biological Insulated Transmembrane Molecular Wire. <i>Cell</i> , 2020 , 181, 665-673. 660 50 | | |
| 94 | Redox-active ferrocene-modified Cowpea mosaic virus nanoparticles. <i>Dalton Transactions</i> , 2010 , 39, 7569-74 49 | | |
| 93 | Spectroelectrochemical characterization of a pentaheme cytochrome in solution and as electrocatalytically active films on nanocrystalline metal-oxide electrodes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8588-9 16.4 48 | | |
| 92 | Spectroscopic and voltammetric characterisation of the bacterioferritin-associated ferredoxin of <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 1996 , 229, 635-42 3.4 48 | | |
| 91 | Light-Driven H ₂ Evolution and C ₂ C or C ₂ O Bond Hydrogenation by <i>Shewanella oneidensis</i> : A Versatile Strategy for Photocatalysis by Nonphotosynthetic Microorganisms. <i>ACS Catalysis</i> , 2017 , 7, 7558-7566 ¹³⁷ 47 | | |
| 90 | Resolving the contributions of the membrane-bound and periplasmic nitrate reductase systems to nitric oxide and nitrous oxide production in <i>Salmonella enterica</i> serovar Typhimurium. <i>Biochemical Journal</i> , 2012 , 441, 755-62 3.8 40 | | |
| 89 | Layer-by-Layer Assembly of Supported Lipid Bilayer Poly-L-Lysine Multilayers. <i>Biomacromolecules</i> , 2016 , 17, 324-35 6.9 40 | | |
| 88 | The roles of CymA in support of the respiratory flexibility of <i>Shewanella oneidensis</i> MR-1. <i>Biochemical Society Transactions</i> , 2012 , 40, 1217-21 5.1 39 | | |
| 87 | Electrochemical Potential and pH Dependences of [3Fe-4S] <-> [M ₃ Fe-4S] Cluster Transformations (M = Fe, Zn, Co, and Cd) in Ferredoxin III from <i>Desulfovibrio africanus</i> and Detection of a Cluster with M = Pb. <i>Journal of the American Chemical Society</i> , 1997 , 119, 9729-9737 16.4 39 | | |
| 86 | Voltammetric characterization of rapid and reversible binding of an exogenous thiolate ligand at a [4Fe-4S] cluster in ferredoxin III from <i>Desulfovibrio africanus</i> . <i>Journal of the American Chemical Society</i> , 1993 , 115, 1413-1421 16.4 37 | | |
| 85 | Physiological function and catalytic versatility of bacterial multihaem cytochromes c involved in nitrogen and sulfur cycling. <i>Biochemical Society Transactions</i> , 2011 , 39, 1864-70 5.1 36 | | |
| 84 | Evidence for reversible multiple redox transformations of [3Fe-4S] clusters. <i>FEBS Letters</i> , 1989 , 259, 15-18 36 | | |
| 83 | Voltammetric characterization of the aerobic energy-dissipating nitrate reductase of <i>Paracoccus pantotrophus</i> : exploring the activity of a redox-balancing enzyme as a function of electrochemical potential. <i>Biochemical Journal</i> , 2008 , 409, 159-68 3.8 35 | | |
| 82 | High Performance Reduction of HO ₂ with an Electron Transport Decaheme Cytochrome on a Porous ITO Electrode. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3324-3327 16.4 34 | | |
| 81 | Characterization of MtoD from <i>Sideroxydans lithotrophicus</i> : a cytochrome c electron shuttle used in lithoautotrophic growth. <i>Frontiers in Microbiology</i> , 2015 , 6, 332 5.7 34 | | |
| 80 | Structural modeling of an outer membrane electron conduit from a metal-reducing bacterium suggests electron transfer via periplasmic redox partners. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8103-8112 5.4 33 | | |
| 79 | Spectral properties of bacterial nitric-oxide reductase: resolution of pH-dependent forms of the active site heme b ₃ . <i>Journal of Biological Chemistry</i> , 2002 , 277, 20146-50 5.4 33 | | |
| 78 | Molecular structure and free energy landscape for electron transport in the decahaem cytochrome MtrF. <i>Biochemical Society Transactions</i> , 2012 , 40, 1198-203 5.1 32 | | |

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| 77 | Concentrating membrane proteins using asymmetric traps and AC electric fields. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6521-4 | 16.4 | 32 |
| 76 | Role of a conserved glutamine residue in tuning the catalytic activity of Escherichia coli cytochrome c nitrite reductase. <i>Biochemistry</i> , 2008 , 47, 3789-99 | 3.2 | 32 |
| 75 | Multilayered Lipid Membrane Stacks for Biocatalysis Using Membrane Enzymes. <i>Advanced Functional Materials</i> , 2017 , 27, 1606265 | 15.6 | 31 |
| 74 | Using direct electrochemistry to probe rate limiting events during nitrate reductase turnover. <i>Faraday Discussions</i> , 2000 , 155-69; discussion 171-90 | 3.6 | 31 |
| 73 | Escherichia coli cytochrome c nitrite reductase NrfA. <i>Methods in Enzymology</i> , 2008 , 437, 63-77 | 1.7 | 30 |
| 72 | Diode or tunnel-diode characteristics? Resolving the catalytic consequences of proton coupled electron transfer in a multi-centered oxidoreductase. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14964-5 | 16.4 | 30 |
| 71 | Catalytic Protein Film Electrochemistry Provides a Direct Measure of the Tetrathionate/Thiosulfate Reduction Potential. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13232-5 | 16.4 | 29 |
| 70 | Reductive activation of nitrate reductases. <i>Dalton Transactions</i> , 2005 , 3580-6 | 4.3 | 29 |
| 69 | Kinetic and thermodynamic resolution of the interactions between sulfite and the pentahaem cytochrome NrfA from Escherichia coli. <i>Biochemical Journal</i> , 2010 , 431, 73-80 | 3.8 | 28 |
| 68 | Direct evidence for heme-assisted solid-state electronic conduction in multi-heme -type cytochromes. <i>Chemical Science</i> , 2018 , 9, 7304-7310 | 9.4 | 27 |
| 67 | Electrochemistry of surface-confined enzymes: Inspiration, insight and opportunity for sustainable biotechnology. <i>Current Opinion in Electrochemistry</i> , 2018 , 8, 81-88 | 7.2 | 26 |
| 66 | Voltammetric study of proton-gated electron transfer in a mutant ferredoxin. Altering aspartate to asparagine blocks oxidation of the [3Fe-4S] cluster of Azotobacter vinelandii ferredoxin I. <i>Journal of the American Chemical Society</i> , 1993 , 115, 12587-12588 | 16.4 | 26 |
| 65 | Formation and properties of a stable high-potential copper-iron-sulphur cluster in a ferredoxin. <i>Nature Structural and Molecular Biology</i> , 1994 , 1, 427-33 | 17.6 | 25 |
| 64 | A novel fluorescent probe for NAD-consuming enzymes. <i>Chemical Communications</i> , 2011 , 47, 12655-7 | 5.8 | 24 |
| 63 | Resolving complexity in the interactions of redox enzymes and their inhibitors: contrasting mechanisms for the inhibition of a cytochrome c nitrite reductase revealed by protein film voltammetry. <i>Biochemistry</i> , 2004 , 43, 15086-94 | 3.2 | 24 |
| 62 | Tethered DNA hairpins facilitate electrochemical detection of DNA ligation. <i>Analyst, The</i> , 2005 , 130, 345-9 | 5.9 | 23 |
| 61 | Electron Accepting Units of the Diheme Cytochrome c TsdA, a Bifunctional Thiosulfate Dehydrogenase/Tetrathionate Reductase. <i>Journal of Biological Chemistry</i> , 2016 , 291, 24804-24818 | 5.4 | 22 |
| 60 | Resolution of key roles for the distal pocket histidine in cytochrome C nitrite reductases. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3059-68 | 16.4 | 22 |

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| 59 | Opportunities for mesoporous nanocrystalline SnO ₂ electrodes in kinetic and catalytic analyses of redox proteins. <i>Biochemical Society Transactions</i> , 2009 , 37, 368-72 | 5.1 | 22 |
| 58 | The relationship between redox enzyme activity and electrochemical potential-cellular and mechanistic implications from protein film electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7720-31 | 3.6 | 21 |
| 57 | Redox-triggered events in cytochrome c nitrite reductase. <i>Bioelectrochemistry</i> , 2004 , 63, 43-7 | 5.6 | 21 |
| 56 | Voltammetry and in situ scanning tunneling microscopy of cytochrome C nitrite reductase on Au(111) electrodes. <i>Biophysical Journal</i> , 2006 , 91, 3897-906 | 2.9 | 20 |
| 55 | Iron-sulphur clusters with labile metal ions. <i>Journal of Inorganic Biochemistry</i> , 1992 , 47, 197-207 | 4.2 | 20 |
| 54 | Coherent Electron Transport across a 3 nm Bioelectronic Junction Made of Multi-Heme Proteins. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9766-9774 | 6.4 | 19 |
| 53 | Comparative structure-potential-spectroscopy of the Shewanella outer membrane multiheme cytochromes. <i>Current Opinion in Electrochemistry</i> , 2017 , 4, 199-205 | 7.2 | 19 |
| 52 | Voltammetry of a flavocytochrome c(3): the lowest potential heme modulates fumarate reduction rates. <i>Biophysical Journal</i> , 2000 , 78, 1001-9 | 2.9 | 19 |
| 51 | Ultrafast Light-Driven Electron Transfer in a Ru(II)tris(bipyridine)-Labeled Multiheme Cytochrome. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15190-15200 | 16.4 | 18 |
| 50 | Exploring the biochemistry at the extracellular redox frontier of bacterial mineral Fe(III) respiration. <i>Biochemical Society Transactions</i> , 2012 , 40, 493-500 | 5.1 | 18 |
| 49 | Which Multi-Heme Protein Complex Transfers Electrons More Efficiently? Comparing MtrCAB from with OmcS from. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9421-9425 | 6.4 | 18 |
| 48 | Controlling electron transfer at the microbe-mineral interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7537-8 | 11.5 | 16 |
| 47 | A Decaheme Cytochrome as a Molecular Electron Conduit in Dye-Sensitized Photoanodes. <i>Advanced Functional Materials</i> , 2015 , 25, 2308-2315 | 15.6 | 15 |
| 46 | The Impact of Enzyme Orientation and Electrode Topology on the Catalytic Activity of Adsorbed Redox Enzymes. <i>Electrochimica Acta</i> , 2013 , 110, 79-85 | 6.7 | 15 |
| 45 | Electron transfer to the active site of the bacterial nitric oxide reductase is controlled by ligand binding to heme b _L . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 451-7 | 4.6 | 15 |
| 44 | Magnetic circular dichroism of hemoproteins with in situ control of electrochemical potential: "MOTTLE". <i>Analytical Biochemistry</i> , 2006 , 359, 79-83 | 3.1 | 15 |
| 43 | Characterization of a flavocytochrome that is induced during the anaerobic respiration of Fe ³⁺ by Shewanella frigidimarina NCIMB400. <i>Biochemical Journal</i> , 1999 , 342, 439 | 3.8 | 15 |
| 42 | Development of a proteoliposome model to probe transmembrane electron-transfer reactions. <i>Biochemical Society Transactions</i> , 2012 , 40, 1257-60 | 5.1 | 14 |

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| 41 | Direct cyclic voltammetry of three ruthenium-modified electron-transfer proteins. <i>Inorganic Chemistry</i> , 1990 , 29, 4858-4862 | 5.1 | 13 |
| 40 | A decahaem cytochrome as an electron conduit in protein-enzyme redox processes. <i>Chemical Communications</i> , 2016 , 52, 7390-3 | 5.8 | 13 |
| 39 | Photoreduction of <i>Shewanella oneidensis</i> Extracellular Cytochromes by Organic Chromophores and Dye-Sensitized TiO. <i>ChemBioChem</i> , 2016 , 17, 2324-2333 | 3.8 | 12 |
| 38 | Redox and chemical activities of the hemes in the sulfur oxidation pathway enzyme SoxAX. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40350-9 | 5.4 | 10 |
| 37 | Enzyme-catalysed nitrate reduction-themes and variations as revealed by protein film voltammetry. <i>Bioelectrochemistry</i> , 2002 , 56, 17-8 | 5.6 | 10 |
| 36 | Voltammetry of Adsorbed Redox Enzymes: Mechanisms in The Potential Dimension 2008 , 91-128 | | 10 |
| 35 | Towards compartmentalized photocatalysis: multihaem proteins as transmembrane molecular electron conduits. <i>Faraday Discussions</i> , 2019 , 215, 26-38 | 3.6 | 9 |
| 34 | Base-modified NAD and AMP derivatives and their activity against bacterial DNA ligases. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 6380-98 | 3.9 | 9 |
| 33 | Avoided Level Crossing Muon Spectroscopy of Free Radicals Formed by Muonium Addition to the Constituents of DNA. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 9302-9309 | 2.8 | 9 |
| 32 | Heme ligation and redox chemistry in two bacterial thiosulfate dehydrogenase (TsdA) enzymes. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18002-18014 | 5.4 | 8 |
| 31 | Photosensitised Multiheme Cytochromes as Light-Driven Molecular Wires and Resistors. <i>ChemBioChem</i> , 2018 , 19, 2206-2215 | 3.8 | 8 |
| 30 | Contrasting catalytic profiles of multiheme nitrite reductases containing CxxCK heme-binding motifs. <i>Journal of Biological Inorganic Chemistry</i> , 2013 , 18, 655-67 | 3.7 | 8 |
| 29 | Characterization of the active site and calcium binding in cytochrome c nitrite reductases. <i>Biochemical Society Transactions</i> , 2011 , 39, 1871-5 | 5.1 | 8 |
| 28 | Laying the foundation for understanding muon implantation in DNA: ab initio DFT calculations of the nucleic acid base muonium adducts. <i>Physica B: Condensed Matter</i> , 2003 , 326, 25-29 | 2.8 | 8 |
| 27 | Electrocatalytic reduction of nitrate and selenate by NapAB. <i>Biochemical Society Transactions</i> , 2011 , 39, 236-42 | 5.1 | 7 |
| 26 | Immobilized DNA hairpins for assay of sequential breaking and joining of DNA backbones. <i>Analytical Biochemistry</i> , 2006 , 358, 90-8 | 3.1 | 7 |
| 25 | A haloarchaeal ferredoxin electron donor that plays an essential role in nitrate assimilation. <i>Biochemical Society Transactions</i> , 2011 , 39, 1844-8 | 5.1 | 6 |
| 24 | Spectropotentiometric properties and salt-dependent thermotolerance of a [2Fe-2S] ferredoxin-involved nitrate assimilation in <i>Haloferax mediterranei</i> . <i>FEMS Microbiology Letters</i> , 2007 , 277, 50-5 | 2.9 | 6 |

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| 23 | Different responses to muon implantation in single- and double-stranded DNA. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 437-440 | 2.8 | 6 |
| 22 | Quantum dot interactions with and toxicity to <i>Shewanella oneidensis</i> MR-1. <i>Nanotechnology</i> , 2020 , 31, 134005 | 3.4 | 6 |
| 21 | Influence of haem environment on the catalytic properties of the tetrathionate reductase TsdA from <i>Campylobacter jejuni</i> . <i>Bioscience Reports</i> , 2016 , 36, | 4.1 | 6 |
| 20 | Nanosecond heme-to-heme electron transfer rates in a multiheme cytochrome nanowire reported by a spectrally unique His/Met-ligated heme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 6 |
| 19 | Exploring Step-by-Step Assembly of Nanoparticle:Cytochrome Biohybrid Photoanodes. <i>ChemElectroChem</i> , 2017 , 4, 1959-1968 | 4.3 | 5 |
| 18 | Freely diffusing versus adsorbed protein: Which better mimics the cellular state of a redox protein?. <i>Electrochimica Acta</i> , 2013 , 110, 73-78 | 6.7 | 5 |
| 17 | Molecular interactions between multihaem cytochromes: probing the protein-protein interactions between pentahaem cytochromes of a nitrite reductase complex. <i>Biochemical Society Transactions</i> , 2011 , 39, 263-8 | 5.1 | 5 |
| 16 | Electrochemical titrations and reaction time courses monitored in situ by magnetic circular dichroism spectroscopy. <i>Analytical Biochemistry</i> , 2011 , 419, 110-6 | 3.1 | 5 |
| 15 | Protein voltammetry and spectroscopy: integrating approaches. <i>Theoretical Chemistry Accounts</i> , 2008 , 119, 107-111 | 1.9 | 5 |
| 14 | Iron-sulphur clusters in electron transfer, catalysis and control. <i>Biochemical Society Transactions</i> , 1991 , 19, 594-9 | 5.1 | 5 |
| 13 | Electrode assemblies composed of redox cascades from microbial respiratory electron transfer chains. <i>Biochemical Society Transactions</i> , 2013 , 41, 1249-53 | 5.1 | 4 |
| 12 | Membrane-spanning electron transfer proteins from electrogenic bacteria: Production and investigation. <i>Methods in Enzymology</i> , 2018 , 613, 257-275 | 1.7 | 4 |
| 11 | Explorations of time and electrochemical potential: opportunities for fresh perspectives on signalling proteins. <i>Biochemical Society Transactions</i> , 2014 , 42, 47-51 | 5.1 | 3 |
| 10 | His/Met heme ligation in the PioA outer membrane cytochrome enabling light-driven extracellular electron transfer by <i>Rhodospseudomonas palustris</i> TIE-1. <i>Nanotechnology</i> , 2020 , 31, 354002 | 3.4 | 2 |
| 9 | Enzyme Film Electrochemistry 2015 , 105-119 | | 1 |
| 8 | Bespoke Biomolecular Wires for Transmembrane Electron Transfer: Spontaneous Assembly of a Functionalized Multiheme Electron Conduit. <i>Frontiers in Microbiology</i> , 2021 , 12, 714508 | 5.7 | 1 |
| 7 | Making Connections: An Amphiphilic Ferrocene Stimulates Bacterial Electricity Production. <i>Chem</i> , 2017 , 2, 164-167 | 16.2 | 0 |
| 6 | The flavodoxin FldA activates the class Ia ribonucleotide reductase of <i>Campylobacter jejuni</i> . <i>Molecular Microbiology</i> , 2021 , 116, 343-358 | 4.1 | 0 |

- 5 Biological approaches to artificial photosynthesis: general discussion. *Faraday Discussions*, **2019**, 215, 66-83 3.6
- 4 The 11-Heme Cell-Surface Cytochrome UndA of *Shewanella* sp. HRCR-6 **2014**, 1-6
- 3 Fundamentals of Electroanalytical Chemistry. By Paul M. S. Monk, John Wiley & Sons: Chichester, England. 384 pp. £34.95. ISBN 0471 88140 6. *The Chemical Educator*, **2002**, 7, 122-123
- 2 Spectral properties of bacterial nitric oxide reductase. *Biochemical Society Transactions*, **2002**, 30, A76-A76
- 1 Fresh Approaches and New Surprises with Iron-Sulfur Clusters **1992**, 3-12