# John F Allen

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 152<br>papers | 10,974<br>citations | 34105<br>52<br>h-index | 31849<br>101<br>g-index |
| 158<br>all docs | 158<br>docs citations | 158<br>times ranked | 6746<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Protein phosphorylation in regulation of photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1098, 275-335. | 1.0 | 824 |
| 2 | Chloroplast protein phosphorylation couples plastoquinone redox state to distribution of excitation energy between photosystems. Nature, 1981, 291, 25-29. | 27.8 | 608 |
| 3 | Photosynthetic control of chloroplast gene expression. Nature, 1999, 397, 625-628. | 27.8 | 576 |
| 4 | Molecular recognition in thylakoid structure and function. Trends in Plant Science, 2001, 6, 317-326. | 8.8 | 399 |
| 5 | Cyclic, pseudocyclic and noncyclic photophosphorylation: new links in the chain. Trends in Plant Science, 2003, 8, 15-19. | 8.8 | 351 |
| 6 | How did LUCA make a living? Chemiosmosis in the origin of life. BioEssays, 2010, 32, 271-280. | 2.5 | 292 |
| 7 | Control of Gene Expression by Redox Potential and the Requirement for Chloroplast and Mitochondrial Genomes. Journal of Theoretical Biology, 1993, 165, 609-631. | 1.7 | 263 |
| 8 | BOTANY: State Transitions--a Question of Balance. Science, 2003, 299, 1530-1532. | 12.6 | 251 |
| 9 | Why chloroplasts and mitochondria retain their own genomes and genetic systems: Colocation for redox regulation of gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10231-10238. | 7.1 | 244 |
| 10 | Photosynthesis of ATPâ€"Electrons, Proton Pumps, Rotors, and Poise. Cell, 2002, 110, 273-276. | 28.9 | 235 |
| 11 | Genomes of Stigonematalean Cyanobacteria (Subsection V) and the Evolution of Oxygenic Photosynthesis from Prokaryotes to Plastids. Genome Biology and Evolution, 2013, 5, 31-44. | 2.5 | 234 |
| 12 | The function of genomes in bioenergetic organelles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 19-38. | 4.0 | 233 |
| 13 | A structural phylogenetic map for chloroplast photosynthesis. Trends in Plant Science, 2011, 16, 645-655. | 8.8 | 218 |
| 14 | Early bioenergetic evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130088. | 4.0 | 199 |
| 15 | Genes of Cyanobacterial Origin in Plant Nuclear Genomes Point to a Heterocyst-Forming Plastid Ancestor. Molecular Biology and Evolution, 2008, 25, 748-761. | 8.9 | 197 |
| 16 | Genomics and chloroplast evolution: what did cyanobacteria do for plants?. Genome Biology, 2003, 4, 209. | 9.6 | 190 |
| 17 | Regulation of phosphorylation of chloroplast membrane polypeptides by the redox state of plastoquinone. FEBS Letters, 1981, 125, 193-196. | 2.8 | 176 |
| 18 | Free-radical-induced mutation vs redox regulation: Costs and benefits of genes in organelles. Journal of Molecular Evolution, 1996, 42, 482-492. | 1.8 | 166 |

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| 19 | State 1/State 2 changes in higher plants and algae. Photosynthesis Research, 1987, 13, 19-45. | 2.9 | 165 |
| 20 | State 1-State 2 transitions in the cyanobacterium Synechococcus 6301 are controlled by the redox state of electron carriers between Photosystems I and II. Photosynthesis Research, 1990, 23, 297-311. | 2.9 | 164 |
| 21 | Response of the Photosynthetic Apparatus in <i>Dunaliella salina</i> (Green Algae) to Irradiance Stress. Plant Physiology, 1990, 93, 1433-1440. | 4.8 | 162 |
| 22 | The ancestral symbiont sensor kinase CSK links photosynthesis with gene expression in chloroplasts. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10061-10066. | 7.1 | 146 |
| 23 | Balancing the two photosystems: photosynthetic electron transfer governs transcription of reaction centre genes in chloroplasts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1351-1359. | 4.0 | 144 |
| 24 | Out of thin air. Nature, 2007, 445, 610-612. | 27.8 | 144 |
| 25 | Thylakoid protein phosphorylation, state 1-state 2 transitions, and photosystem stoichiometry adjustment: redox control at multiple levels of gene expression. Physiologia Plantarum, 1995, 93, 196-205. | 5.2 | 133 |
| 26 | How does protein phosphorylation regulate photosynthesis?. Trends in Biochemical Sciences, 1992, 17, 12-17. | 7.5 | 129 |
| 27 | Separate Sexes and the Mitochondrial Theory of Ageing. Journal of Theoretical Biology, 1996, 180, 135-140. | 1.7 | 125 |
| 28 | Protein Diffusion and Macromolecular Crowding in Thylakoid Membranes Â. Plant Physiology, 2008, 146, 1571-1578. | 4.8 | 122 |
| 29 | Correlation of membrane protein phosphorylation with excitation energy distribution in the cyanobacterium Synechococcus 6301. FEBS Letters, 1985, 193, 271-275. | 2.8 | 119 |
| 30 | Redox control of transcription: sensors, response regulators, activators and repressers. FEBS Letters, 1993, 332, 203-207. | 2.8 | 117 |
| 31 | The state 2 transition in the cyanobacterium Synechococcus 6301 can be driven by respiratory electron flow into the plastoquinone pool. FEBS Letters, 1986, 205, 155-160. | 2.8 | 110 |
| 32 | Principles of redox control in photosynthesis gene expression. Physiologia Plantarum, 2001, 112, 1-9. | 5.2 | 108 |
| 33 | Chloroplast-mitochondria cross-talk in diatoms. Journal of Experimental Botany, 2012, 63, 1543-1557. | 4.8 | 108 |
| 34 | Lokiarchaeon is hydrogen dependent. Nature Microbiology, 2016, 1, 16034. | 13.3 | 107 |
| 35 | Direct Transcriptional Control of the Chloroplast Genes psbA and psaAB Adjusts Photosynthesis to Light Energy Distribution in Plants. IUBMB Life, 1999, 48, 271-276. | 3.4 | 97 |
| 36 | Phosphorylation Controls the Three-dimensional Structure of Plant Light Harvesting Complex II. Journal of Biological Chemistry, 1997, 272, 18350-18357. | 3.4 | 96 |

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| 37 | Cytochrome b6f: structure for signalling and vectorial metabolism. Trends in Plant Science, 2004, 9, 130-137. | 8.8 | 91 |
| 38 | Tethering of ferredoxin:NADP<sup>+</sup> oxidoreductase to thylakoid membranes is mediated by novel chloroplast protein TROL. Plant Journal, 2009, 60, 783-794. | 5.7 | 89 |
| 39 | A general model for regulation of photosynthetic unit function by protein phosphorylation. FEBS Letters, 1986, 202, 175-181. | 2.8 | 88 |
| 40 | Photosynthetic Electron Flow Regulates Transcription of the psaB Gene in Pea ( Pisum sativum L.) Chloroplasts Through the Redox State of the Plastoquinone Pool. Plant and Cell Physiology, 2000, 41, 1045-1054. | 3.1 | 82 |
| 41 | Planctomycetes and eukaryotes: A case of analogy not homology. BioEssays, 2011, 33, 810-817. | 2.5 | 79 |
| 42 | Chlorophyll Biosynthesis Gene Evolution Indicates Photosystem Gene Duplication, Not Photosystem Merger, at the Origin of Oxygenic Photosynthesis. Genome Biology and Evolution, 2013, 5, 200-216. | 2.5 | 79 |
| 43 | Massively Convergent Evolution for Ribosomal Protein Gene Content in Plastid and Mitochondrial Genomes. Genome Biology and Evolution, 2013, 5, 2318-2329. | 2.5 | 78 |
| 44 | Plastoquinone redox control of chloroplast thylakoid protein phosphorylation and distribution of excitation energy between photosystems: discovery, background, implications. Photosynthesis Research, 2002, 73, 139-148. | 2.9 | 77 |
| 45 | Redox control of gene expression and the function of chloroplast genomes ? an hypothesis. Photosynthesis Research, 1993, 36, 95-102. | 2.9 | 76 |
| 46 | Direct Transcriptional Control of the Chloroplast Genes psbA and psaAB Adjusts Photosynthesis to Light Energy Distribution in Plants. IUBMB Life, 1999, 48, 271-276. | 3.4 | 76 |
| 47 | A redox switch hypothesis for the origin of two light reactions in photosynthesis. FEBS Letters, 2005, 579, 963-968. | 2.8 | 73 |
| 48 | Oxidationâ€“reduction signalling components in regulatory pathways of state transitions and photosystem stoichiometry adjustment in chloroplasts. Plant, Cell and Environment, 2012, 35, 347-359. | 5.7 | 70 |
| 49 | Chloroplast thylakoid protein phosphatase reactions are redox-independent and kinetically heterogeneous. FEBS Letters, 1993, 334, 101-105. | 2.8 | 66 |
| 50 | Why Chloroplasts and Mitochondria Contain Genomes. Comparative and Functional Genomics, 2003, 4, 31-36. | 2.0 | 66 |
| 51 | Chloroplast protein phosphorylation and chlorophyll fluorescence quenching. Activation by tetramethyl-p-hydroquinone, an electron donor to plastoquinone. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 638, 290-295. | 1.0 | 59 |
| 52 | Transcriptional Control of Photosynthesis Genes: The Evolutionarily Conserved Regulatory Mechanism in Plastid Genome Function. Genome Biology and Evolution, 2010, 2, 888-896. | 2.5 | 57 |
| 53 | Photosynthetic protein phosphorylation in intact chloroplasts. FEBS Letters, 1981, 123, 67-70. | 2.8 | 52 |
| 54 | Fluorescence induction transients indicate dissociation of Photosystem II from the phycobilisome during the State-2 transition in the cyanobacterium Synechococcus 6301. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 934, 96-107. | 1.0 | 52 |

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| 55 | Lessons from Redox Signaling in Plants. Antioxidants and Redox Signaling, 2003, 5, 3-5. | 5.4 | 52 |
| 56 | Picosecond time-resolved fluorescence emission spectra indicate decreased energy transfer from the phycobilisome to Photosystem II in light-state 2 in the cyanobacterium Synechococcus 6301. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1015, 231-242. | 1.0 | 51 |
| 57 | Protein phosphorylation â€" Carburettor of photosynthesis?. Trends in Biochemical Sciences, 1983, 8, 369-373. | 7.5 | 47 |
| 58 | Energy, ageing, fidelity and sex: oocyte mitochondrial DNA as a protected genetic template. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120263. | 4.0 | 46 |
| 59 | Chloroplast two-component systems: evolution of the link between photosynthesis and gene expression. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2133-2145. | 2.6 | 43 |
| 60 | Protein phosphorylation/dephosphorylation in the inner membrane of potato tuber mitochondria. FEBS Letters, 2000, 475, 213-217. | 2.8 | 42 |
| 61 | Energy transduction anchors genes in organelles. BioEssays, 2005, 27, 426-435. | 2.5 | 42 |
| 62 | The neglected genome. EMBO Reports, 2012, 13, 473-474. | 4.5 | 41 |
| 63 | Acclimation of the Photosynthetic Apparatus to Photosystem I or Photosystem II Light: Evidence from Quantum Yield Measurements and Fluorescence Spectroscopy of Cyanobacterial Cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1989, 44, 109-118. | 1.4 | 38 |
| 64 | Female and Male Gamete Mitochondria Are Distinct and Complementary in Transcription, Structure, and Genome Function. Genome Biology and Evolution, 2013, 5, 1969-1977. | 2.5 | 37 |
| 65 | A Two-Component Regulatory System in Transcriptional Control of Photosystem Stoichiometry: Redox-Dependent and Sodium Ion-Dependent Phosphoryl Transfer from Cyanobacterial Histidine Kinase Hik2 to Response Regulators Rre1 and RppA. Frontiers in Plant Science, 2016, 7, 137. | 3.6 | 37 |
| 66 | The CoRR hypothesis for genes in organelles. Journal of Theoretical Biology, 2017, 434, 50-57. | 1.7 | 37 |
| 67 | Redox titration of multiple protein phosphorylations in pea chloroplast thylakoids. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1183, 215-220. | 1.0 | 36 |
| 68 | Two Subunits of the FoF1-ATPase Are Phosphorylated in the Inner Mitochondrial Membrane. Biochemical and Biophysical Research Communications, 1998, 243, 664-668. | 2.1 | 36 |
| 69 | Nitrogenase Inhibition Limited Oxygenation of Earthâ€™s Proterozoic Atmosphere. Trends in Plant Science, 2019, 24, 1022-1031. | 8.8 | 36 |
| 70 | Light-dependent phosphorylation of Photosystem II polypeptides maintains electron transport at high light intensity: separation from effects of phosphorylation of LHC-II. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1058, 289-296. | 1.0 | 34 |
| 71 | Histidine and tyrosine phosphorylation in pea mitochondria: evidence for protein phosphorylation in respiratory redox signalling. FEBS Letters, 1995, 372, 238-242. | 2.8 | 32 |
| 72 | Discrete Redox Signaling Pathways Regulate Photosynthetic Light-Harvesting and Chloroplast Gene Transcription. PLoS ONE, 2011, 6, e26372. | 2.5 | 32 |

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| 73 | Energy, genes and evolution: introduction to an evolutionary synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120253. | 4.0 | 32 |
| 74 | Modification of a glnB-like gene product by photosynthetic electron transport in the cyanobacteriumSynechococcus6301. FEBS Letters, 1990, 264, 25-28. | 2.8 | 31 |
| 75 | Evolutionary rewiring: a modified prokaryotic gene-regulatory pathway in chloroplasts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120260. | 4.0 | 31 |
| 76 | Effects of Inhibitors of Catalase on Photosynthesis and on Catalase Activity in Unwashed Preparations of Intact Chloroplasts. Plant Physiology, 1978, 61, 957-960. | 4.8 | 30 |
| 77 | In vivo phosphorylation of proteins in the cyanobacterium Synechococcus 6301 after chromatic acclimation to Photosystem I or Photosystem II light. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 976, 168-172. | 1.0 | 30 |
| 78 | Cyanobacterial thylakoid membrane proteins are reversibly phosphorylated under plastoquinoneâ€reducing conditions in vitro. FEBS Letters, 1991, 282, 295-299. | 2.8 | 30 |
| 79 | Catalysts, autocatalysis and the origin of metabolism. Interface Focus, 2019, 9, 20190072. | 3.0 | 30 |
| 80 | State transitions, photosystem stoichiometry adjustment and non-photochemical quenching in cyanobacterial cells acclimated to light absorbed by photosystem I or photosystem II. Photosynthesis Research, 1989, 22, 157-166. | 2.9 | 29 |
| 81 | Bioinformatics and discovery: induction beckons again. BioEssays, 2000, 23, 104-107. | 2.5 | 29 |
| 82 | Superoxide as an Obligatory, Catalytic Intermediate in Photosynthetic Reduction of Oxygen by Adrenaline and Dopamine. Antioxidants and Redox Signaling, 2003, 5, 7-14. | 5.4 | 28 |
| 83 | In silico veritas. EMBO Reports, 2001, 2, 542-544. | 4.5 | 25 |
| 84 | Mitochondrial genome function and maternal inheritance. Biochemical Society Transactions, 2013, 41, 1298-1304. | 3.4 | 25 |
| 85 | Bioinformatics and discovery: induction beckons again. BioEssays, 2001, 23, 104-107. | 2.5 | 25 |
| 86 | Membrane protein phosphorylation in the cyanobacterium <i>Synechococcus</i> 6301. Biochemical Society Transactions, 1986, 14, 66-67. | 3.4 | 24 |
| 87 | The rate of P-700 photooxidation under continuous illumination is independent of State 1-State 2 transitions in the green alga Scenedesmus obliquus. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 933, 95-106. | 1.0 | 24 |
| 88 | Effect of Mg2+on excitation energy transfer between LHC II and LHC I in a chlorophyll-protein complex. FEBS Letters, 1987, 225, 59-66. | 2.8 | 22 |
| 89 | Protein tyrosine phosphorylation in the transition to light state 2 of chloroplast thylakoids. , 2001, 68, 71-79. | | 22 |
| 90 | Photoinhibition of photosynthesis in vivo: Involvement of multiple sites in a photodamage process under CO2- and O2-free conditions. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1142, 115-122. | 1.0 | 21 |

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|---|---|---|---|
| 91 | Why Have Organelles Retained Genomes?. Cell Systems, 2016, 2, 70-72. | 6.2 | 21 |
| 92 | Fluorescence induction transients indicate altered absorption cross-section during light-state transitions in the cyanobacterium Synechococcus 6301. Biochimica Et Biophysica Acta - Bioenergetics, 1986, 851, 147-150. | 1.0 | 20 |
| 93 | Protein synthesis by isolated pea mitochondria is dependent on the activity of respiratory complex II. Current Genetics, 1998, 33, 320-329. | 1.7 | 20 |
| 94 | Protein phosphorylation as a control for excitation energy transfer inRhodospirillum rubrum. FEBS Letters, 1986, 200, 144-148. | 2.8 | 19 |
| 95 | Transients in chloroplast gene transcription. Biochemical and Biophysical Research Communications, 2008, 368, 871-874. | 2.1 | 19 |
| 96 | Why we need to know the structure of phosphorylated chloroplast lightâ€harvesting complex <scp>II</scp>. Physiologia Plantarum, 2017, 161, 28-44. | 5.2 | 19 |
| 97 | Protein phosphorylation in chromatophores from Rhodospirillum rubrum. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 935, 72-78. | 1.0 | 18 |
| 98 | Truncated recombinant light harvesting complex II proteins are substrates for a protein kinase associated with photosystem II core complexes. FEBS Letters, 1998, 435, 101-104. | 2.8 | 17 |
| 99 | Membrane protein phosphorylation in the purple photosynthetic bacterium Rhodopseudomonas sphaeroides. Biochemical Society Transactions, 1986, 14, 67-68. | 3.4 | 16 |
| 100 | A Proposal for Formation of Archaean Stromatolites before the Advent of Oxygenic Photosynthesis. Frontiers in Microbiology, 2016, 7, 1784. | 3.5 | 16 |
| 101 | Protein phosphorylation and Mg2+ influence light harvesting and electron transport in chloroplast thylakoid membrane material containing only the chlorophyll-a/b-binding light-harvesting complex of photosystem II and photosystem I. FEBS Journal, 1992, 204, 1107-1114. | 0.2 | 15 |
| 102 | Differential phosphorylation of individual LHC-II polypeptides during short-term and long-term acclimation to light regime in the green alga Dunaliella salina. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1141, 37-44. | 1.0 | 15 |
| 103 | Photosynthesis: The Processing of Redox Signals in Chloroplasts. Current Biology, 2005, 15, R929-R932. | 3.9 | 15 |
| 104 | An Algal Greening of Land. Cell, 2018, 174, 256-258. | 28.9 | 15 |
| 105 | Hypothesis, induction and background knowledge. Data do not speak for themselves. Replies to Donald A. Gillies, Lawrence A. Kelly and Michael Scott. BioEssays, 2001, 23, 861-862. | 2.5 | 14 |
| 106 | The 18.5 kDa Phosphoprotein of the Cyanobacterium Synechococcus 6301 : A Component of the Phycobilisome. , 1987, , 761-764. | | 14 |
| 107 | P-700 photooxidation in state 1 and state 2 in cyanobacteria upon flash illumination with phycobilin- and chlorophyll-absorbed light. FEBS Letters, 1989, 256, 106-110. | 2.8 | 13 |
| 108 | Restoration of irradiance-stressed Dunaliella salina (green alga) to physiological growth conditions: changes in antenna size and composition of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1100, 83-91. | 1.0 | 13 |

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| 109 | Substrate specificity and kinetics of thylakoid phosphoprotein phosphatase reactions. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1188, 151-157. | 1.0 | 12 |
| 110 | Phosphoproteins and Protein Kinase Activities Intrinsic to Inner Membranes of Potato Tuber Mitochondria. Plant and Cell Physiology, 1999, 40, 1271-1279. | 3.1 | 12 |
| 111 | Redox Tuning in Photosystem II. Trends in Plant Science, 2017, 22, 97-99. | 8.8 | 12 |
| 112 | Amino acid composition of the 9 kDa phosphoprotein of pea thylakoids. Biochemical and Biophysical Research Communications, 1986, 138, 146-152. | 2.1 | 11 |
| 113 | Effects of divalent cations on 77 K fluorescence emission and on membrane protein phosphorylation in isolated thylakoids of the cyanobacterium Synechococcus 6301. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 934, 87-95. | 1.0 | 11 |
| 114 | Protein phosphorylation and optimal production of ATP in photosynthesis. Biochemical Society Transactions, 1984, 12, 774-775. | 3.4 | 10 |
| 115 | Will the Real LHC II Kinase Please Step Forward?. Science Signaling, 2002, 2002, pe43-pe43. | 3.6 | 10 |
| 116 | Complementary adaptations, photosynthesis and phytochrome. Trends in Plant Science, 1997, 2, 41-43. | 8.8 | 9 |
| 117 | Inorganic Complexes Enabled the Onset of Life and Oxygenic Photosynthesis. , 2008, , 1187-1192. | | 9 |
| 118 | Origin, Function, and Transmission of Mitochondria. , 2007, , 39-56. | | 9 |
| 119 | Mitochondria, Hydrogenosomes and Mitosomes in Relation to the CoRR Hypothesis for Genome Function and Evolution. , 2012, , 105-119. | | 8 |
| 120 | More on thylakoid membrane stacking. Trends in Biochemical Sciences, 1986, 11, 320. | 7.5 | 7 |
| 121 | Effects of synthetic peptides on thylakoid phosphoprotein phosphatase reactions. Physiologia Plantarum, 1995, 93, 173-178. | 5.2 | 7 |
| 122 | A Mitochondrial Model for Premature Ageing of Somatically Cloned Mammals. IUBMB Life, 1999, 48, 369-372. | 3.4 | 7 |
| 123 | Probing the nucleotide-binding activity of a redox sensor: two-component regulatory control in chloroplasts. Photosynthesis Research, 2016, 130, 93-101. | 2.9 | 7 |
| 124 | Protein phosphorylation and control of excitation energy transfer in photosynthetic purple bacteria and cyanobacteria. Biochimie, 1989, 71, 1021-1028. | 2.6 | 6 |
| 125 | Opinion: Research and how to promote it in a university. Future Medicinal Chemistry, 2010, 2, 15-20. | 2.3 | 6 |
| 126 | A Mitochondrial Model for Premature Ageing of Somatically Cloned Mammals. IUBMB Life, 1999, 48, 369-372. | 3.4 | 5 |

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| 127 | Queen Mary: nobody expects the Spanish Inquisition. Lancet, The, 2012, 379, 1785. | 13.7 | 5 |
| 128 | Oligomeric states in sodium ion-dependent regulation of cyanobacterial histidine kinase-2. Protoplasma, 2018, 255, 937-952. | 2.1 | 5 |
| 129 | Complex formation in plant thylakoid membranes. Competition studies on membrane protein interactions using synthetic peptide fragments. Photosynthesis Research, 1995, 44, 277-285. | 2.9 | 4 |
| 130 | Translating photosynthesis. Nature Plants, 2018, 4, 199-200. | 9.3 | 4 |
| 131 | Redox Switches and Evolutionary Transitions. , 2008, , 1155-1160. | | 4 |
| 132 | A Bacterial-Type Sensor Kinase Couples Electron Transport to Gene Expression in Chloroplasts. , 2008, , 1181-1186. | | 4 |
| 133 | Molecular Recognition: How Photosynthesis Anchors the Mobile Antenna. Trends in Plant Science, 2019, 24, 388-392. | 8.8 | 3 |
| 134 | Structure and Magnesium Binding of Peptide Fragments of LHCII in Its Phosphorylated and Unphosphorylated Forms Studied by Multinuclear NMR. , 1995, , 127-130. | | 3 |
| 135 | Chloroplast Redox Poise and Signaling. , 2004, , 438-445. | | 3 |
| 136 | Redox Effects on Chloroplast Protein Synthesis and Phosphorylation. , 2008, , 903-907. | | 2 |
| 137 | How does Protein Phosphorylation Control Protein-Protein Interactions in the Photosynthetic Membrane?. , 1990, , 1875-1878. | | 2 |
| 138 | Origins of Photosynthesis. Nature, 1995, 376, 26-26. | 27.8 | 1 |
| 139 | Reply to commentary by Helmut Beinert and Patricia Kiley. FEBS Letters, 1996, 382, 220-221. | 2.8 | 1 |
| 140 | Plastoquinone redox control of chloroplast thylakoid protein phosphorylation and distribution of excitation energy between photosystems: discovery, background, implications. , 2005, , 177-186. | | 1 |
| 141 | THYLAKOID PROTEIN PHOSPHORYLATION: A REGULATORY ROLE IN PHOTOSYNTHESIS. Biochemical Society Transactions, 1981, 9, 81P-81P. | 3.4 | 0 |
| 142 | Reply from Allen. Trends in Biochemical Sciences, 1992, 17, 346-347. | 7.5 | 0 |
| 143 | Comment on the editorial â€˜Back to Darwin?â€™ in EMBO reports , November 2000. EMBO Reports, 2001, 2, 76-76. | 4.5 | 0 |
| 144 | Photosynthesis for ramblers and browsers. Trends in Plant Science, 2002, 7, 376-377. | 8.8 | 0 |

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| 145 | Origin of Oxygenic Photosynthesis from Anoxygenic Type I and Type II Reaction Centers. , 2014, , 433-450. | | 0 |
| 146 | Regulation of Photosynthetic Unit Function by Protein Phosphorylation. , 1987, , 757-760. | | 0 |
| 147 | Phosphorylation of Membrane Proteins in Control of Excitation Energy Transfer. , 1990, , 291-298. | | 0 |
| 148 | Characterisation and Purification of Polypeptides Undergoing Light-Dependent Phosphorylation in the Cyanobacterium Synechococcus 6301. , 1990, , 3127-3130. | | 0 |
| 149 | P-700 Photooxidation in State 1 and in State 2 in Cyanobacteria Upon Flash Illumination with Phycobilin and Chlorophyll Absorbed Light. , 1990, , 1879-1882. | | 0 |
| 150 | TIME-RESOLVED IMAGING SPECTROSCOPY OF PLANT ADAPTATIONS TO CHANGES IN THE LIGHT ENVIRONMENT AND APPLICABILITY TO SCREENING MUTANTS. Hortscience: A Publication of the American Society for Hortcultural Science, 1994, 29, 249b-249. | 1.0 | 0 |
| 151 | Redox Dependent Protein Phosphorylation as a Fundamental Feature of Bioenergetic Membranes in Cyanobacterial Thylakoids, Purple Bacterial Chromatophores and Mitochondrial Inner Membranes. , 1995, , 2353-2356. | | 0 |
| 152 | Acid-Labile, Histidine Phosphoproteins in Chloroplasts and Mitochondria: Possible Candidates for Redox Sensor Kinases. , 1995, , 2639-2642. | | 0 |