

Peter Neil Horton

List of Publications by Year in descending order

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Version: 2024-02-01

236
papers

22,412
citations

4146

87
h-index

9589

142
g-index

238
all docs

238
docs citations

238
times ranked

10432
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Technologies to deliver food and climate security through agriculture. <i>Nature Plants</i> , 2021, 7, 250-255. | 9.3 | 63 |
| 2 | COVID-19 and the Climate Emergency: Do Common Origins and Solutions Reside in the Global Agrifood System?. <i>One Earth</i> , 2020, 3, 20-22. | 6.8 | 8 |
| 3 | Re-defining Sustainability: Living in Harmony with Life on Earth. <i>One Earth</i> , 2019, 1, 86-94. | 6.8 | 27 |
| 4 | Food Chain Inefficiency (FCI): Accounting Conversion Efficiencies Across Entire Food Supply Chains to Re-define Food Loss and Waste. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, . | 3.9 | 20 |
| 5 | Joan Mary Anderson 1932â€“2015. <i>Historical Records of Australian Science</i> , 2019, 30, 19. | 0.6 | 1 |
| 6 | Joan Mary Anderson. 12 May 1932â€“28 August 2015. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2018, 65, 7-29. | 0.1 | 1 |
| 7 | Why rational argument fails the genetic modification (GM) debate. <i>Food Security</i> , 2018, 10, 1145-1161. | 5.3 | 15 |
| 8 | Integrating evidence, politics and society: a methodology for the scienceâ€“policy interface. <i>Palgrave Communications</i> , 2018, 4, . | 4.7 | 22 |
| 9 | An agenda for integrated system-wide interdisciplinary agri-food research. <i>Food Security</i> , 2017, 9, 195-210. | 5.3 | 63 |
| 10 | The environmental impact of fertilizer embodied in a wheat-to-bread supply chain. <i>Nature Plants</i> , 2017, 3, 17012. | 9.3 | 71 |
| 11 | We need radical change in how we produce and consume food. <i>Food Security</i> , 2017, 9, 1323-1327. | 5.3 | 29 |
| 12 | Remembering Joan (Jan) Mary Anderson (1932â€“2015). <i>Photosynthesis Research</i> , 2016, 129, 129-146. | 2.9 | 6 |
| 13 | Fingerprinting the macro-organisation of pigmentâ€“protein complexes in plant thylakoid membranes in vivo by circular-dichroism spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1479-1489. | 1.0 | 42 |
| 14 | An integrated theoretical framework to enhance resource efficiency, sustainability and human health in agri-food systems. <i>Journal of Cleaner Production</i> , 2016, 120, 164-169. | 9.3 | 46 |
| 15 | An intact light harvesting complex I antenna system is required for complete state transitions in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2015, 1, 15176. | 9.3 | 74 |
| 16 | How Protein Disorder Controls Non-Photochemical Fluorescence Quenching. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 157-185. | 1.0 | 3 |
| 17 | Developments in Research on Non-Photochemical Fluorescence Quenching: Emergence of Key Ideas, Theories and Experimental Approaches. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 73-95. | 1.0 | 18 |
| 18 | The Specificity of Controlled Protein Disorder in the Photoprotection of Plants. <i>Biophysical Journal</i> , 2013, 105, 1018-1026. | 0.5 | 29 |

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|----|---|-----|-----------|
| 19 | Preface. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3381-3383. | 4.0 | 1 |
| 20 | Towards elucidation of dynamic structural changes of plant thylakoid architecture. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3515-3524. | 4.0 | 84 |
| 21 | Controlled Disorder in Plant Light-Harvesting Complex II Explains Its Photoprotective Role. <i>Biophysical Journal</i> , 2012, 102, 2669-2676. | 0.5 | 97 |
| 22 | Optimization of light harvesting and photoprotection: molecular mechanisms and physiological consequences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3455-3465. | 4.0 | 103 |
| 23 | The photoprotective protein PsbS exerts control over CO ₂ assimilation rate in fluctuating light in rice. <i>Plant Journal</i> , 2012, 71, 402-412. | 5.7 | 87 |
| 24 | Molecular Adaptation of Photoprotection: Triplet States in Light-Harvesting Proteins. <i>Biophysical Journal</i> , 2011, 101, 934-942. | 0.5 | 58 |
| 25 | Impacts of long-term enhanced UV-B radiation on bryophytes in two sub-Arctic heathland sites of contrasting water availability. <i>Annals of Botany</i> , 2011, 108, 557-565. | 2.9 | 34 |
| 26 | Impact of chlororespiration on non-photochemical quenching of chlorophyll fluorescence and on the regulation of the diadinoxanthin cycle in the diatom <i>Thalassiosira pseudonana</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 509-519. | 4.8 | 41 |
| 27 | The PsbS protein controls the macroorganisation of photosystem II complexes in the grana membranes of higher plant chloroplasts. <i>FEBS Letters</i> , 2010, 584, 759-764. | 2.8 | 101 |
| 28 | Effect of xanthophyll composition on the chlorophyll excited state lifetime in plant leaves and isolated LHCII. <i>Chemical Physics</i> , 2010, 373, 23-32. | 1.9 | 32 |
| 29 | The Photosystem II Light-Harvesting Protein Lhcb3 Affects the Macrostructure of Photosystem II and the Rate of State Transitions in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 3245-3256. | 6.6 | 118 |
| 30 | The Zeaxanthin-Independent and Zeaxanthin-Dependent qE Components of Nonphotochemical Quenching Involve Common Conformational Changes within the Photosystem II Antenna in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2009, 149, 1061-1075. | 4.8 | 129 |
| 31 | Agriculture and the new challenges for photosynthesis research. <i>New Phytologist</i> , 2009, 181, 532-552. | 7.3 | 334 |
| 32 | Comparison of the Thermodynamic Landscapes of Unfolding and Formation of the Energy Dissipative State in the Isolated Light Harvesting Complex II. <i>Biophysical Journal</i> , 2009, 97, 1188-1197. | 0.5 | 25 |
| 33 | Photosynthetic acclimation: Does the dynamic structure and macroorganisation of photosystem II in higher plant grana membranes regulate light harvesting states?. <i>FEBS Journal</i> , 2008, 275, 1069-1079. | 4.7 | 208 |
| 34 | The role of lutein in the acclimation of higher plant chloroplast membranes to suboptimal conditions. <i>Physiologia Plantarum</i> , 2008, 134, 227-236. | 5.2 | 10 |
| 35 | Bryophyte physiological responses to, and recovery from, long-term nitrogen deposition and phosphorus fertilisation in acidic grassland. <i>New Phytologist</i> , 2008, 180, 864-874. | 7.3 | 92 |
| 36 | The xanthophyll cycle pool size controls the kinetics of non-photochemical quenching in <i>Arabidopsis thaliana</i> . <i>FEBS Letters</i> , 2008, 582, 262-266. | 2.8 | 94 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | The Lhcb protein and xanthophyll composition of the light harvesting antenna controls the pH-dependency of non-photochemical quenching in <i>Arabidopsis thaliana</i> . FEBS Letters, 2008, 582, 1477-1482. | 2.8 | 38 |
| 38 | Induction of Efficient Energy Dissipation in the Isolated Light-harvesting Complex of Photosystem II in the Absence of Protein Aggregation. Journal of Biological Chemistry, 2008, 283, 29505-29512. | 3.4 | 101 |
| 39 | The PsbS Protein Controls the Organization of the Photosystem II Antenna in Higher Plant Thylakoid Membranes. Journal of Biological Chemistry, 2008, 283, 3972-3978. | 3.4 | 163 |
| 40 | Trends in leaf photosynthesis in historical rice varieties developed in the Philippines since 1966. Journal of Experimental Botany, 2007, 58, 3429-3438. | 4.8 | 87 |
| 41 | Elevated Zeaxanthin Bound to Oligomeric LHCII Enhances the Resistance of Arabidopsis to Photooxidative Stress by a Lipid-protective, Antioxidant Mechanism. Journal of Biological Chemistry, 2007, 282, 22605-22618. | 3.4 | 162 |
| 42 | Identification of a mechanism of photoprotective energy dissipation in higher plants. Nature, 2007, 450, 575-578. | 27.8 | 808 |
| 43 | Differential adaptation of two varieties of common bean to abiotic stress. Journal of Experimental Botany, 2006, 57, 699-709. | 4.8 | 67 |
| 44 | PsbS enhances nonphotochemical fluorescence quenching in the absence of zeaxanthin. FEBS Letters, 2006, 580, 2053-2058. | 2.8 | 80 |
| 45 | Lack of the Light-Harvesting Complex CP24 Affects the Structure and Function of the Grana Membranes of Higher Plant Chloroplasts. Plant Cell, 2006, 18, 3106-3120. | 6.6 | 221 |
| 46 | Differential adaptation of two varieties of common bean to abiotic stress. Journal of Experimental Botany, 2006, 57, 685-697. | 4.8 | 114 |
| 47 | Plasticity in the Composition of the Light Harvesting Antenna of Higher Plants Preserves Structural Integrity and Biological Function. Journal of Biological Chemistry, 2006, 281, 14981-14990. | 3.4 | 44 |
| 48 | Plant immunophilins: functional versatility beyond protein maturation. New Phytologist, 2005, 166, 753-769. | 7.3 | 99 |
| 49 | Molecular basis of photoprotection and control of photosynthetic light-harvesting. Nature, 2005, 436, 134-137. | 27.8 | 569 |
| 50 | Acclimation of photosynthesis to high irradiance in rice: gene expression and interactions with leaf development. Journal of Experimental Botany, 2005, 56, 449-460. | 4.8 | 120 |
| 51 | Entropy-assisted stacking of thylakoid membranes. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 187-195. | 1.0 | 50 |
| 52 | Control of the light harvesting function of chloroplast membranes: The LHCII-aggregation model for non-photochemical quenching. FEBS Letters, 2005, 579, 4201-4206. | 2.8 | 286 |
| 53 | Granal stacking of thylakoid membranes in higher plant chloroplasts: the physicochemical forces at work and the functional consequences that ensue. Photochemical and Photobiological Sciences, 2005, 4, 1081. | 2.9 | 130 |
| 54 | The Arabidopsis Cyclophilin Gene Family. Plant Physiology, 2004, 134, 1268-1282. | 4.8 | 212 |

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|----|--|------|-----------|
| 55 | Arabidopsis AtCYP20-2 Is a Light-Regulated Cyclophilin-Type Peptidyl-Prolyl cis-trans Isomerase Associated with the Photosynthetic Membranes. <i>Plant Physiology</i> , 2004, 134, 1244-1247. | 4.8 | 37 |
| 56 | A Mutant of Arabidopsis Lacking the Triose-Phosphate/Phosphate Translocator Reveals Metabolic Regulation of Starch Breakdown in the Light. <i>Plant Physiology</i> , 2004, 135, 891-906. | 4.8 | 116 |
| 57 | Molecular design of the photosystem II light-harvesting antenna: photosynthesis and photoprotection. <i>Journal of Experimental Botany</i> , 2004, 56, 365-373. | 4.8 | 379 |
| 58 | Acclimation of Arabidopsis thaliana to the light environment: the relationship between photosynthetic function and chloroplast composition. <i>Planta</i> , 2004, 218, 793-802. | 3.2 | 114 |
| 59 | The super-excess energy dissipation in diatom algae: comparative analysis with higher plants. <i>Photosynthesis Research</i> , 2004, 82, 165-175. | 2.9 | 204 |
| 60 | The Functional Significance of the Monomeric and Trimeric States of the Photosystem II Light Harvesting Complexes. <i>Biochemistry</i> , 2004, 43, 501-509. | 2.5 | 54 |
| 61 | Insights into the molecular dynamics of plant light-harvesting proteins in vivo. <i>Trends in Plant Science</i> , 2004, 9, 385-390. | 8.8 | 91 |
| 62 | Paraheliotropism can protect water-stressed bean (<i>Phaseolus vulgaris</i> L.) plants against photoinhibition. <i>Journal of Plant Physiology</i> , 2004, 161, 1315-1323. | 3.5 | 35 |
| 63 | Effects of season-dependent irradiance levels and nitrogen-deficiency on photosynthesis and photoinhibition in field-grown rice (<i>Oryza sativa</i>). <i>Physiologia Plantarum</i> , 2003, 117, 343-351. | 5.2 | 45 |
| 64 | Absence of the Lhcb1 and Lhcb2 proteins of the light-harvesting complex of photosystem II - effects on photosynthesis, grana stacking and fitness. <i>Plant Journal</i> , 2003, 35, 350-361. | 5.7 | 243 |
| 65 | Plants lacking the main light-harvesting complex retain photosystem II macro-organization. <i>Nature</i> , 2003, 421, 648-652. | 27.8 | 152 |
| 66 | The Structure of Photosystem II in Arabidopsis: Localization of the CP26 and CP29 Antenna Complexes. <i>Biochemistry</i> , 2003, 42, 608-613. | 2.5 | 108 |
| 67 | Stark spectroscopy of the light-harvesting complex II in different oligomerisation states. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1605, 83-95. | 1.0 | 36 |
| 68 | Identification of Mutants of Arabidopsis Defective in Acclimation of Photosynthesis to the Light Environment. <i>Plant Physiology</i> , 2003, 131, 472-481. | 4.8 | 80 |
| 69 | Decreased Content of Leaf Ferredoxin Changes Electron Distribution and Limits Photosynthesis in Transgenic Potato Plants. <i>Plant Physiology</i> , 2003, 133, 1768-1778. | 4.8 | 71 |
| 70 | Thermodynamic Investigation into the Mechanism of the Chlorophyll Fluorescence Quenching in Isolated Photosystem II Light-harvesting Complexes. <i>Journal of Biological Chemistry</i> , 2003, 278, 21845-21850. | 3.4 | 64 |
| 71 | Are there associations between grain-filling rate and photosynthesis in the flag leaves of field-grown rice?. <i>Journal of Experimental Botany</i> , 2002, 53, 2217-2224. | 4.8 | 105 |
| 72 | A Critical Role for the Var2 FtsH Homologue of Arabidopsis thaliana in the Photosystem II Repair Cycle in Vivo. <i>Journal of Biological Chemistry</i> , 2002, 277, 2006-2011. | 3.4 | 253 |

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|----|---|------|-----------|
| 73 | Molecular Configuration of Xanthophyll Cycle Carotenoids in Photosystem II Antenna Complexes. <i>Journal of Biological Chemistry</i> , 2002, 277, 42937-42942. | 3.4 | 62 |
| 74 | Acclimation of Rice Photosynthesis to Irradiance under Field Conditions. <i>Plant Physiology</i> , 2002, 130, 1999-2010. | 4.8 | 112 |
| 75 | Linking drought resistance mechanisms to drought avoidance in upland rice using a QTL approach: progress and new opportunities to integrate stomatal and mesophyll responses. <i>Journal of Experimental Botany</i> , 2002, 53, 989-1004. | 4.8 | 316 |
| 76 | Light-Induced Trimer to Monomer Transition in the Main Light-Harvesting Antenna Complex of Plants: A Thermo-Optic Mechanism. <i>Biochemistry</i> , 2002, 41, 15121-15129. | 2.5 | 132 |
| 77 | Activation of Zeaxanthin Is an Obligatory Event in the Regulation of Photosynthetic Light Harvesting. <i>Journal of Biological Chemistry</i> , 2002, 277, 7785-7789. | 3.4 | 99 |
| 78 | In vitro reconstitution of the activated zeaxanthin state associated with energy dissipation in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16331-16335. | 7.1 | 114 |
| 79 | Overexpression of β -carotene hydroxylase enhances stress tolerance in Arabidopsis. <i>Nature</i> , 2002, 418, 203-206. | 27.8 | 340 |
| 80 | Configuration and Dynamics of Xanthophylls in Light-harvesting Antennae of Higher Plants. <i>Journal of Biological Chemistry</i> , 2001, 276, 24862-24870. | 3.4 | 103 |
| 81 | Kinetic Analysis of Nonphotochemical Quenching of Chlorophyll Fluorescence. 1. Isolated Chloroplasts. <i>Biochemistry</i> , 2001, 40, 9896-9901. | 2.5 | 30 |
| 82 | Kinetic Analysis of Nonphotochemical Quenching of Chlorophyll Fluorescence. 2. Isolated Light-Harvesting Complexes. <i>Biochemistry</i> , 2001, 40, 9902-9908. | 2.5 | 38 |
| 83 | Acclimation of Arabidopsis thaliana to the light environment: the existence of separate low light and high light responses. <i>Planta</i> , 2001, 213, 794-801. | 3.2 | 384 |
| 84 | Antisense Inhibition of the Photosynthetic Antenna Proteins CP29 and CP26: Implications for the Mechanism of Protective Energy Dissipation. <i>Plant Cell</i> , 2001, 13, 1193. | 6.6 | 0 |
| 85 | Antisense Inhibition of the Photosynthetic Antenna Proteins CP29 and CP26: Implications for the Mechanism of Protective Energy Dissipation. <i>Plant Cell</i> , 2001, 13, 1193-1204. | 6.6 | 152 |
| 86 | Increasing Rice Photosynthesis by Manipulation of the Acclimation and Adaptation to Light. <i>Novartis Foundation Symposium</i> , 2001, 236, 117-134. | 1.1 | 8 |
| 87 | Electron acceptors in isolated intact spinach chloroplasts act hierarchically to prevent over-reduction and competition for electrons. <i>Photosynthesis Research</i> , 2000, 64, 1-13. | 2.9 | 95 |
| 88 | Prospects for crop improvement through the genetic manipulation of photosynthesis: morphological and biochemical aspects of light capture. <i>Journal of Experimental Botany</i> , 2000, 51, 475-485. | 4.8 | 225 |
| 89 | Pigment Binding Site Properties of Two Photosystem II Antenna Proteins. <i>Journal of Biological Chemistry</i> , 2000, 275, 22031-22036. | 3.4 | 19 |
| 90 | Chlorophyll fluorescence quenching in isolated light harvesting complexes induced by zeaxanthin. <i>FEBS Letters</i> , 2000, 471, 71-74. | 2.8 | 65 |

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| 91 | Allosteric regulation of the light-harvesting system of photosystem II. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1361-1370. | 4.0 | 174 |
| 92 | Chloroplast Acclimation in Leaves of <i>Guzmania monostachia</i> in Response to High Light. <i>Plant Physiology</i> , 1999, 121, 89-96. | 4.8 | 53 |
| 93 | The Xanthophyll Cycle Modulates the Kinetics of Nonphotochemical Energy Dissipation in Isolated Light-Harvesting Complexes, Intact Chloroplasts, and Leaves of Spinach ¹ . <i>Plant Physiology</i> , 1999, 119, 531-542. | 4.8 | 156 |
| 94 | Unusual carotenoid composition and a new type of xanthophyll cycle in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1135-1139. | 7.1 | 154 |
| 95 | Determination of the Stoichiometry and Strength of Binding of Xanthophylls to the Photosystem II Light Harvesting Complexes. <i>Journal of Biological Chemistry</i> , 1999, 274, 10458-10465. | 3.4 | 240 |
| 96 | Interactions between Senescence and Leaf Orientation Determine in Situ Patterns of Photosynthesis and Photoinhibition in Field-Grown Rice ¹ . <i>Plant Physiology</i> , 1999, 119, 553-564. | 4.8 | 185 |
| 97 | Structural and functional heterogeneity in the major light-harvesting complexes of higher plants. , 1999, 61, 77-90. | | 21 |
| 98 | Resistance of photosynthesis to high temperature in two bean varieties (<i>Phaseolus vulgaris</i> L.). <i>Photosynthesis Research</i> , 1999, 62, 197-203. | 2.9 | 44 |
| 99 | Acclimation of <i>Arabidopsis thaliana</i> to the light environment: the role of photoreceptors. <i>Planta</i> , 1999, 209, 517-527. | 3.2 | 105 |
| 100 | Spectroscopic characterization of the spinach Lhcb4 protein (CP29), a minor light-harvesting complex of photosystem II. <i>FEBS Journal</i> , 1999, 262, 817-823. | 0.2 | 51 |
| 101 | Hypothesis: Are grana necessary for regulation of light harvesting?. <i>Functional Plant Biology</i> , 1999, 26, 659. | 2.1 | 39 |
| 102 | Regulation of the Structure and Function of the Light Harvesting Complexes of Photosystem II by the Xanthophyll Cycle. , 1999, , 271-291. | | 24 |
| 103 | Excited-State Energy Level Does Not Determine the Differential Effect of Violaxanthin and Zeaxanthin on Chlorophyll Fluorescence Quenching in the Isolated Light-Harvesting Complex of Photosystem II. <i>Photochemistry and Photobiology</i> , 1998, 68, 829-834. | 2.5 | 40 |
| 104 | Transgenic potato plants with altered expression levels of chloroplast NADP-malate dehydrogenase: interactions between photosynthetic electron transport and malate metabolism in leaves and in isolated intact chloroplasts. <i>Planta</i> , 1998, 207, 105-114. | 3.2 | 78 |
| 105 | Contrasting patterns of photosynthetic acclimation to the light environment are dependent on the differential expression of the responses to altered irradiance and spectral quality. <i>Plant, Cell and Environment</i> , 1998, 21, 139-148. | 5.7 | 85 |
| 106 | Ultrafast Evolution of the Excited States in the Chlorophyll a/b Complex CP29 from Green Plants Studied by Energy-Selective Pump-Probe Spectroscopy. <i>Biochemistry</i> , 1998, 37, 1143-1149. | 2.5 | 69 |
| 107 | The Relationship between the Binding of Dicyclohexylcarbodiimide and Quenching of Chlorophyll Fluorescence in the Light-Harvesting Proteins of Photosystem II. <i>Biochemistry</i> , 1998, 37, 11586-11591. | 2.5 | 36 |
| 108 | Excited-State Energy Level Does Not Determine the Differential Effect of Violaxanthin and Zeaxanthin on Chlorophyll Fluorescence Quenching in the Isolated Light-Harvesting Complex of Photosystem II. <i>Photochemistry and Photobiology</i> , 1998, 68, 829. | 2.5 | 6 |

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|-----|---|------|-----------|
| 109 | All-or-nothing rule for the assembly of photosystem II: an analytical study in severely chlorophyll-deficient tobacco plants. , 1998, , 3135-3138. | | 0 |
| 110 | Dynamics of Xanthophyll-Cycle Activity in Different Antenna Subcomplexes in the Photosynthetic Membranes of Higher Plants (The Relationship between Zeaxanthin Conversion and Nonphotochemical) Tj ETQq0 4.0 BT / Overlock 10 | 4.0 | 107 |
| 111 | The xanthophyll cycle and carotenoid-mediated dissipation of excess excitation energy in photosynthesis. Pure and Applied Chemistry, 1997, 69, 2125-2130. | 1.9 | 85 |
| 112 | Ultrafast Spectroscopy of Trimeric Light-Harvesting Complex II from Higher Plants. Journal of Physical Chemistry B, 1997, 101, 1902-1909. | 2.6 | 124 |
| 113 | Carotenoid-Dependent Oligomerization of the Major Chlorophyll a/b Light Harvesting Complex of Photosystem II of Plantsâ€. Biochemistry, 1997, 36, 7855-7859. | 2.5 | 116 |
| 114 | Characterisation of LHC II in the aggregated state by linear and circular dichroism spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1321, 61-70. | 1.0 | 106 |
| 115 | Acclimation of photosynthesis to irradiance and spectral quality in British plant species: chlorophyll content, photosynthetic capacity and habitat preference. Plant, Cell and Environment, 1997, 20, 438-448. | 5.7 | 308 |
| 116 | Dynamic Properties of the Minor Chlorophylla/bBinding Proteins of Photosystem II, anin VitroModel for Photoprotective Energy Dissipation in the Photosynthetic Membrane of Green Plantsâ€. Biochemistry, 1996, 35, 674-678. | 2.5 | 125 |
| 117 | Identification of proton-active residues in a higher plant light-harvesting complex. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 14204-14209. | 7.1 | 116 |
| 118 | Quenching of chlorophyll fluorescence in the major light-harvesting complex of photosystem II: a systematic study of the effect of carotenoid structure.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1492-1497. | 7.1 | 64 |
| 119 | REGULATION OF LIGHT HARVESTING IN GREEN PLANTS. Annual Review of Plant Biology, 1996, 47, 655-684. | 14.3 | 1,574 |
| 120 | INFLUENCE OF CHANGES IN THE PHOTON PROTECTIVE ENERGY DISSIPATION ON RED LIGHT-INDUCED DETRAPPING OF THE THERMOLUMINESCENCE Z-BAND. Photochemistry and Photobiology, 1995, 62, 514-521. | 2.5 | 6 |
| 121 | TEMPERATURE DEPENDENCE OF CHLOROPHYLL FLUORESCENCE FROM THE LIGHT HARVESTING COMPLEX II OF HIGHER PLANTS. Photochemistry and Photobiology, 1995, 61, 216-221. | 2.5 | 50 |
| 122 | Delayed leaf senescence in ethylene-deficient ACC-oxidase antisense tomato plants: molecular and physiological analysis. Plant Journal, 1995, 7, 483-490. | 5.7 | 225 |
| 123 | Acclimation of Arabidopsis thaliana to the light environment: regulation of chloroplast composition. Planta, 1995, 197, 475-81. | 3.2 | 60 |
| 124 | Acclimation of Arabidopsis thaliana to the light environment: changes in photosynthetic function. Planta, 1995, 197, 306-12. | 3.2 | 51 |
| 125 | An Investigation of the Sustained Component of Nonphotochemical Quenching of Chlorophyll Fluorescence in Isolated Chloroplasts and Leaves of Spinach. Plant Physiology, 1995, 108, 721-726. | 4.8 | 93 |
| 126 | Resonance Raman Spectroscopy of the Photosystem II Light-Harvesting Complex of Green Plants: A Comparison of Trimeric and Aggregated States. Biochemistry, 1995, 34, 2333-2337. | 2.5 | 67 |

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|-----|---|-----|-----------|
| 127 | Regulation of Non-Photochemical Quenching of Chlorophyll Fluorescence in Plants. <i>Functional Plant Biology</i> , 1995, 22, 221. | 2.1 | 97 |
| 128 | DCCD Binds to Lumen-Exposed Glutamate Residues in LHCIIc. , 1995, , 299-302. | | 4 |
| 129 | Genetic Manipulation of LHCB4, a Gene Encoding One of the Minor Light-Harvesting Complexes, in <i>Arabidopsis Thaliana</i> . , 1995, , 327-330. | | 0 |
| 130 | Carotenoid S1 Energy Level and Quenching in LHCIIb. , 1995, , 3003-3006. | | 0 |
| 131 | The Effects of Illumination on the Xanthophyll Composition of the Photosystem II Light-Harvesting Complexes of Spinach Thylakoid Membranes. <i>Plant Physiology</i> , 1994, 104, 227-234. | 4.8 | 240 |
| 132 | Acclimation of <i>Arabidopsis thaliana</i> to the light environment: Changes in composition of the photosynthetic apparatus. <i>Planta</i> , 1994, 195, 248. | 3.2 | 140 |
| 133 | Spectroscopy of non-photochemical and photochemical quenching of chlorophyll fluorescence in leaves; evidence for a role of the light harvesting complex of Photosystem II in the regulation of energy dissipation. <i>Photosynthesis Research</i> , 1994, 40, 181-190. | 2.9 | 65 |
| 134 | Activation of non-photochemical quenching in thylakoids and leaves. <i>Planta</i> , 1994, 194, 550-556. | 3.2 | 27 |
| 135 | Short-term effects of nitrate, nitrite and ammonium assimilation on photosynthesis, carbon partitioning and protein phosphorylation in maize. <i>Planta</i> , 1994, 192, 211-220. | 3.2 | 79 |
| 136 | Invertase: understanding changes in the photosynthetic and carbohydrate metabolism of barley leaves infected with powdery mildew. <i>New Phytologist</i> , 1994, 126, 213-222. | 7.3 | 142 |
| 137 | Higher Plant Light-Harvesting Complexes LHCIIa and LHCIIc are Bound by Dicyclohexylcarbodiimide During Inhibition of Energy Dissipation. <i>FEBS Journal</i> , 1994, 226, 1063-1069. | 0.2 | 119 |
| 138 | Modulation of chlorophyll fluorescence quenching in isolated light harvesting complex of Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1186, 123-127. | 1.0 | 102 |
| 139 | Prompt heat release associated with \hat{I}^+ pH-dependent quenching in spinach thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1185, 119-123. | 1.0 | 25 |
| 140 | Regulation of Light Harvesting in Green Plants (Indication by Nonphotochemical Quenching of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 | 4.8 | 277 |
| 141 | Aggregation of higher plant xanthophylls: Differences in absorption spectra and in the dependency on solvent polarity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993, 21, 229-234. | 3.8 | 129 |
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