Peter Neil Horton

List of Publications by Year
in descending order

236	22,412	4831 87	10955 142
papers	citations	h-index	g-index

238	238	238	11564
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Technologies to deliver food and climate security through agriculture. Nature Plants, 2021, 7, 250-255.	4.7	63
2	COVID-19 and the Climate Emergency: Do Common Origins and Solutions Reside in the Global Agrifood System?. One Earth, 2020, 3, 20-22.	3.6	8
3	Re-defining Sustainability: Living in Harmony with Life on Earth. One Earth, 2019, 1, 86-94.	3.6	27
4	Food Chain Inefficiency (FCI): Accounting Conversion Efficiencies Across Entire Food Supply Chains to Re-define Food Loss and Waste. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	20
5	Joan Mary Anderson 1932â€“2015. Historical Records of Australian Science, 2019, 30, 19.	0.3	1
6	Joan Mary Anderson. 12 May 1932â€”28 August 2015. Biographical Memoirs of Fellows of the Royal Society, 2018, 65, 7-29.	0.1	1
7	Why rational argument fails the genetic modification (GM) debate. Food Security, 2018, 10, 1145-1161.	2.4	15
8	Integrating evidence, politics and society: a methodology for the scienceâ€“policy interface. Palgrave Communications, 2018, 4, .	4.7	22
9	An agenda for integrated system-wide interdisciplinary agri-food research. Food Security, 2017, 9, 195-210.	2.4	63
10	The environmental impact of fertilizer embodied in a wheat-to-bread supply chain. Nature Plants, 2017, 3, 17012.	4.7	71
11	We need radical change in how we produce and consume food. Food Security, 2017, 9, 1323-1327.	2.4	29
12	Remembering Joan (Jan) Mary Anderson (1932â€“2015). Photosynthesis Research, 2016, 129, 129-146.	1.6	6
13	Fingerprinting the macro-organisation of pigmentâ€“protein complexes in plant thylakoid membranes in vivo by circular-dichroism spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1479-1489.	0.5	42
14	An integrated theoretical framework to enhance resource efficiency, sustainability and human health in agri-food systems. Journal of Cleaner Production, 2016, 120, 164-169.	4.6	46
15	An intact light harvesting complex I antenna system is required for complete state transitions in Arabidopsis. Nature Plants, 2015, 1, 15176.	4.7	74
16	How Protein Disorder Controls Non-Photochemical Fluorescence Quenching. Advances in Photosynthesis and Respiration, 2014, , 157-185.	1.0	3
17	Developments in Research on Non-Photochemical Fluorescence Quenching: Emergence of Key Ideas, Theories and Experimental Approaches. Advances in Photosynthesis and Respiration, 2014, , 73-95.	1.0	18
18	The Specificity of Controlled Protein Disorder in the Photoprotection ofÂPlants. Biophysical Journal, 2013, 105, 1018-1026.	0.2	29

#	Article	IF	Citations
19	Preface. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3381-3383.	1.8	1
20	Towards elucidation of dynamic structural changes of plant thylakoid architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3515-3524.	1.8	84
21	Controlled Disorder in Plant Light-Harvesting Complex II Explains Its Photoprotective Role. Biophysical Journal, 2012, 102, 2669-2676.	0.2	97
22	Optimization of light harvesting and photoprotection: molecular mechanisms and physiological consequences. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3455-3465.	1.8	103
23	The photoprotective protein PsbS exerts control over CO₂ assimilation rate in fluctuating light in rice. Plant Journal, 2012, 71, 402-412.	2.8	87
24	Molecular Adaptation of Photoprotection: Triplet States in Light-Harvesting Proteins. Biophysical Journal, 2011, 101, 934-942.	0.2	58
25	Impacts of long-term enhanced UV-B radiation on bryophytes in two sub-Arctic heathland sites of contrasting water availability. Annals of Botany, 2011, 108, 557-565.	1.4	34
26	Impact of chlororespiration on non-photochemical quenching of chlorophyll fluorescence and on the regulation of the diadinoxanthin cycle in the diatom Thalassiosira pseudonana. Journal of Experimental Botany, 2011, 62, 509-519.	2.4	41
27	The PsbS protein controls the macroâ€organisation of photosystem II complexes in the grana membranes of higher plant chloroplasts. FEBS Letters, 2010, 584, 759-764.	1.3	101
28	Effect of xanthophyll composition on the chlorophyll excited state lifetime in plant leaves and isolated LHCII. Chemical Physics, 2010, 373, 23-32.	0.9	32
29	The Photosystem II Light-Harvesting Protein Lhcb3 Affects the Macrostructure of Photosystem II and the Rate of State Transitions in Arabidopsis Â Â. Plant Cell, 2009, 21, 3245-3256.	3.1	118
30	The Zeaxanthin-Independent and Zeaxanthin-Dependent qE Components of Nonphotochemical Quenching Involve Common Conformational Changes within the Photosystem II Antenna in Arabidopsis Â. Plant Physiology, 2009, 149, 1061-1075.	2.3	129
31	Agriculture and the new challenges for photosynthesis research. New Phytologist, 2009, 181, 532-552.	3.5	334
32	Comparison of the Thermodynamic Landscapes of Unfolding andÂFormation of the Energy Dissipative State in the Isolated Light Harvesting Complex II. Biophysical Journal, 2009, 97, 1188-1197.	0.2	25
33	Photosynthetic acclimation: Does the dynamic structure and macroâ€organisation of photosystem II in higher plant grana membranes regulate light harvesting states?. FEBS Journal, 2008, 275, 1069-1079.	2.2	208
34	The role of lutein in the acclimation of higher plant chloroplast membranes to suboptimal conditions. Physiologia Plantarum, 2008, 134, 227-236.	2.6	10
35	Bryophyte physiological responses to, and recovery from, longâ€term nitrogen deposition and phosphorus fertilisation in acidic grassland. New Phytologist, 2008, 180, 864-874.	3.5	92
36	The xanthophyll cycle pool size controls the kinetics of nonâ€photochemical quenching in Arabidopsis thaliana. FEBS Letters, 2008, 582, 262-266.	1.3	94

#	Article	IF	Citations
37	The Lhcb protein and xanthophyll composition of the light harvesting antenna controls the Î”pHâ€dependency of nonâ€photochemical quenching in Arabidopsis thaliana. FEBS Letters, 2008, 582, 1477-1482.	1.3	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.	1.6	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.	1.6	163
40	Trends in leaf photosynthesis in historical rice varieties developed in the Philippines since 1966. Journal of Experimental Botany, 2007, 58, 3429-3438.	2.4	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.	1.6	162
42	Identification of a mechanism of photoprotective energy dissipation in higher plants. Nature, 2007, 450, 575-578.	13.7	808
43	Differential adaptation of two varieties of common bean to abiotic stress. Journal of Experimental Botany, 2006, 57, 699-709.	2.4	67
44	PsbS enhances nonphotochemical fluorescence quenching in the absence of zeaxanthin. FEBS Letters, 2006, 580, 2053-2058.	1.3	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.	3.1	221
46	Differential adaptation of two varieties of common bean to abiotic stress. Journal of Experimental Botany, 2006, 57, 685-697.	2.4	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.	1.6	44
48	Plant immunophilins: functional versatility beyond protein maturation. New Phytologist, 2005, 166, 753-769.	3.5	99
49	Molecular basis of photoprotection and control of photosynthetic light-harvesting. Nature, 2005, 436, 134-137.	13.7	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.	2.4	120
51	Entropy-assisted stacking of thylakoid membranes. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 187-195.	0.5	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.	1.3	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.	1.6	130
54	The Arabidopsis Cyclophilin Gene Family. Plant Physiology, 2004, 134, 1268-1282.	2.3	212

#	Article	IF	Citations
55	Arabidopsis AtCYP20-2 Is a Light-Regulated Cyclophilin-Type Peptidyl-Prolyl cis-trans Isomerase Associated with the Photosynthetic Membranes. Plant Physiology, 2004, 134, 1244-1247.	2.3	37
56	A Mutant of Arabidopsis Lacking the Triose-Phosphate/Phosphate Translocator Reveals Metabolic Regulation of Starch Breakdown in the Light. Plant Physiology, 2004, 135, 891-906.	2.3	116
57	Molecular design of the photosystem II light-harvesting antenna: photosynthesis and photoprotection. Journal of Experimental Botany, 2004, 56, 365-373.	2.4	379
58	Acclimation of Arabidopsis thaliana to the light environment: the relationship between photosynthetic function and chloroplast composition. Planta, 2004, 218, 793-802.	1.6	114
59	The super-excess energy dissipation in diatom algae: comparative analysis with higher plants. Photosynthesis Research, 2004, 82, 165-175.	1.6	204
60	The Functional Significance of the Monomeric and Trimeric States of the Photosystem II Light Harvesting Complexes. Biochemistry, 2004, 43, 501-509.	1.2	54
61	Insights into the molecular dynamics of plant light-harvesting proteins in vivo. Trends in Plant Science, 2004, 9, 385-390.	4.3	91
62	Paraheliotropism can protect water-stressed bean (Phaseolus vulgaris L.) plants against photoinhibition. Journal of Plant Physiology, 2004, 161, 1315-1323.	1.6	35
63	Effects of season-dependent irradiance levels and nitrogen-deficiency on photosynthesis and photoinhibition in field-grown rice (Oryza sativa). Physiologia Plantarum, 2003, 117, 343-351.	2.6	45
64	Absence of the Lhcb1 and Lhcb2 proteins of the light-harvesting complex of photosystem II - effects on photosynthesis, grana stacking and fitness. Plant Journal, 2003, 35, 350-361.	2.8	243
65	Plants lacking the main light-harvesting complex retain photosystem II macro-organization. Nature, 2003, 421, 648-652.	13.7	152
66	The Structure of Photosystem II inArabidopsis:Localization of the CP26 and CP29 Antenna Complexesâ€. Biochemistry, 2003, 42, 608-613.	1.2	108
67	Stark spectroscopy of the light-harvesting complex II in different oligomerisation states. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1605, 83-95.	0.5	36
68	Identification of Mutants of Arabidopsis Defective in Acclimation of Photosynthesis to the Light Environment. Plant Physiology, 2003, 131, 472-481.	2.3	80
69	Decreased Content of Leaf Ferredoxin Changes Electron Distribution and Limits Photosynthesis in Transgenic Potato Plants. Plant Physiology, 2003, 133, 1768-1778.	2.3	71
70	Thermodynamic Investigation into the Mechanism of the Chlorophyll Fluorescence Quenching in Isolated Photosystem II Light-harvesting Complexes. Journal of Biological Chemistry, 2003, 278, 21845-21850.	1.6	64
71	Are there associations between grain-filling rate and photosynthesis in the flag leaves of field-grown rice?. Journal of Experimental Botany, 2002, 53, 2217-2224.	2.4	105
72	A Critical Role for the Var2 FtsH Homologue of Arabidopsis thaliana in the Photosystem II Repair Cycle in Vivo. Journal of Biological Chemistry, 2002, 277, 2006-2011.	1.6	253

#	Article	IF	Citations
73	Molecular Configuration of Xanthophyll Cycle Carotenoids in Photosystem II Antenna Complexes. Journal of Biological Chemistry, 2002, 277, 42937-42942.	1.6	62
74	Acclimation of Rice Photosynthesis to Irradiance under Field Conditions. Plant Physiology, 2002, 130, 1999-2010.	2.3	112
75	Linking droughtâ€resistance mechanisms to drought avoidance in upland rice using a QTL approach: progress and new opportunities to integrate stomatal and mesophyll responses. Journal of Experimental Botany, 2002, 53, 989-1004.	2.4	316
76	Light-Induced Trimer to Monomer Transition in the Main Light-Harvesting Antenna Complex of Plants:Â Thermo-Optic Mechanismâ€. Biochemistry, 2002, 41, 15121-15129.	1.2	132
77	Activation of Zeaxanthin Is an Obligatory Event in the Regulation of Photosynthetic Light Harvesting. Journal of Biological Chemistry, 2002, 277, 7785-7789.	1.6	99
78	In vitro reconstitution of the activated zeaxanthin state associated with energy dissipation in plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16331-16335.	3.3	114
79	Overexpression of Î²-carotene hydroxylase enhances stress tolerance in Arabidopsis. Nature, 2002, 418, 203-206.	13.7	340
80	Configuration and Dynamics of Xanthophylls in Light-harvesting Antennae of Higher Plants. Journal of Biological Chemistry, 2001, 276, 24862-24870.	1.6	103
81	Kinetic Analysis of Nonphotochemical Quenching of Chlorophyll Fluorescence. 1. Isolated Chloroplastsâ€. Biochemistry, 2001, 40, 9896-9901.	1.2	30
82	Kinetic Analysis of Nonphotochemical Quenching of Chlorophyll Fluorescence. 2. Isolated Light-Harvesting Complexesâ€. Biochemistry, 2001, 40, 9902-9908.	1.2	38
83	Acclimation of Arabidopsis thaliana to the light environment: the existence of separate low light and high light responses. Planta, 2001, 213, 794-801.	1.6	384
84	Antisense Inhibition of the Photosynthetic Antenna Proteins CP29 and CP26: Implications for the Mechanism of Protective Energy Dissipation. Plant Cell, 2001, 13, 1193.	3.1	0
85	Antisense Inhibition of the Photosynthetic Antenna Proteins CP29 and CP26: Implications for the Mechanism of Protective Energy Dissipation. Plant Cell, 2001, 13, 1193-1204.	3.1	152
86	Increasing Rice Photosynthesis by Manipulation of the Acclimation and Adaptation to Light. Novartis Foundation Symposium, 2001, 236, 117-134.	1.2	8
87	Electron acceptors in isolated intact spinach chloroplasts act hierarchically to prevent over-reduction and competition for electrons. Photosynthesis Research, 2000, 64, 1-13.	1.6	95
88	Prospects for crop improvement through the genetic manipulation of photosynthesis: morphological and biochemical aspects of light capture. Journal of Experimental Botany, 2000, 51, 475-485.	2.4	225
89	Pigment Binding Site Properties of Two Photosystem II Antenna Proteins. Journal of Biological Chemistry, 2000, 275, 22031-22036.	1.6	19
90	Chlorophyll fluorescence quenching in isolated light harvesting complexes induced by zeaxanthin. FEBS Letters, 2000, 471, 71-74.	1.3	65

#	Article	IF	Citations
91	Allosteric regulation of the light-harvesting system of photosystem II. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1361-1370.	1.8	174
92	Chloroplast Acclimation in Leaves of Guzmania monostachia in Response to High Light. Plant Physiology, 1999, 121, 89-96.	2.3	53
93	The Xanthophyll Cycle Modulates the Kinetics of Nonphotochemical Energy Dissipation in Isolated Light-Harvesting Complexes, Intact Chloroplasts, and Leaves of Spinach1. Plant Physiology, 1999, 119, 531-542.	2.3	156
94	Unusual carotenoid composition and a new type of xanthophyll cycle in plants. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 1135-1139.	3.3	154
95	Determination of the Stoichiometry and Strength of Binding of Xanthophylls to the Photosystem II Light Harvesting Complexes. Journal of Biological Chemistry, 1999, 274, 10458-10465.	1.6	240
96	Interactions between Senescence and Leaf Orientation Determine in Situ Patterns of Photosynthesis and Photoinhibition in Field-Grown Rice1. Plant Physiology, 1999, 119, 553-564.	2.3	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 (Phaseolus vulgaris L.). Photosynthesis Research, 1999, 62, 197-203.	1.6	44
99	Acclimation of Arabidopsis thaliana to the light environment: the role of photoreceptors. Planta, 1999, 209, 517-527.	1.6	105
100	Spectroscopic characterization of the spinach Lhcb4 protein (CP29), a minor light-harvesting complex of photosystem II. FEBS Journal, 1999, 262, 817-823.	0.2	51
101	Hypothesis: Are grana necessary for regulation of light harvesting?. Functional Plant Biology, 1999, 26, 659.	1.1	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	Excitedâ€State Energy Level Does Not Determine the Differential Effect of Violaxanthin and Zeaxanthin on Chlorophyll Fluorescence Quenching in the Isolated Lightâ€Harvesting Complex of Photosystem II. Photochemistry and Photobiology, 1998, 68, 829-834.	1.3	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. Planta, 1998, 207, 105-114.	1.6	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. Plant, Cell and Environment, 1998, 21, 139-148.	2.8	85
106	Ultrafast Evolution of the Excited States in the Chlorophyll a/b Complex CP29 from Green Plants Studied by Energy-Selective Pumpâ^'Probe Spectroscopy. Biochemistry, 1998, 37, 1143-1149.	1.2	69
107	The Relationship between the Binding of Dicyclohexylcarbodiimide and Quenching of Chlorophyll Fluorescence in the Light-Harvesting Proteins of Photosystem IIâ€. Biochemistry, 1998, 37, 11586-11591.	1.2	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. Photochemistry and Photobiology, 1998, 68, 829.	1.3	6

#	Article	IF	Citations
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 0 0 rgBT /Overlock 10	2.3	197
111	The xanthophyll cycle and carotenoid-mediated dissipation of excess excitation energy in photosynthesis. Pure and Applied Chemistry, 1997, 69, 2125-2130.	0.9	85
112	Ultrafast Spectroscopy of Trimeric Light-Harvesting Complex II from Higher Plants. Journal of Physical Chemistry B, 1997, 101, 1902-1909.	1.2	124
113	Carotenoid-Dependent Oligomerization of the Major Chlorophyll a/b Light Harvesting Complex of Photosystem II of Plantsâ€. Biochemistry, 1997, 36, 7855-7859.	1.2	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.	0.5	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.	2.8	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.	1.2	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.	3.3	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.	3.3	64
119	REGULATION OF LIGHT HARVESTING IN GREEN PLANTS. Annual Review of Plant Biology, 1996, 47, 655-684.	14.2	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.	1.3	6
121	TEMPERATURE DEPENDENCE OF CHLOROPHYLL FLUORESCENCE FROM THE LIGHT HARVESTING COMPLEX II OF HIGHER PLANTS. Photochemistry and Photobiology, 1995, 61, 216-221.	1.3	50
122	Delayed leaf senescence in ethylene-deficient ACC-oxidase antisense tomato plants: molecular and physiological analysis. Plant Journal, 1995, 7, 483-490.	2.8	225
123	Acclimation of Arabidopsis thaliana to the light environment: regulation of chloroplast composition. Planta, 1995, 197, 475-81.	1.6	60
124	Acclimation of Arabidopsis thaliana to the light environment: changes in photosynthetic function. Planta, 1995, 197, 306-12.	1.6	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.	2.3	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.	1.2	67

#	Article	IF	Citations
127	Regulation of Non-Photochemical Quenching of Chlorophyll Fluorescence in Plants. Functional Plant Biology, 1995, 22, 221.	1.1	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 Arabidopsis Thaliana. , 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. Plant Physiology, 1994, 104, 227-234.	2.3	240
132	Acclimation of Arabidopsis thaliana to the light environment: Changes in composition of the photosynthetic apparatus. Planta, 1994, 195, 248.	1.6	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. Photosynthesis Research, 1994, 40, 181-190.	1.6	65
134	Activation of non-photochemical quenching in thylakoids and leaves. Planta, 1994, 194, 550-556.	1.6	27
135	Short-term effects of nitrate, nitrite and ammonium assimilation on photosynthesis, carbon partitioning and protein phosphorylation in maize. Planta, 1994, 192, 211-220.	1.6	79
136	Invertase: understanding changes in the photosynthetic and carbohydrate metabolism of barley leaves infected with powdery mildew. New Phytologist, 1994, 126, 213-222.	3.5	142
137	Higher Plant Light-Harvesting Complexes LHCIIa and LHCIIc are Bound by Dicyclohexylcarbodiimide During Inhibition of Energy Dissipation. FEBS Journal, 1994, 226, 1063-1069.	0.2	119
138	Modulation of chlorophyll fluorescence quenching in isolated light harvesting complex of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1186, 123-127.	0.5	102
139	Prompt heat release associated with Î”pH-dependent quenching in spinach thylakoid membranes. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1185, 119-123.	0.5	25
140	Regulation of Light Harvesting in Green Plants (Indication by Nonphotochemical Quenching of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	2.3	277
141	Aggregation of higher plant xanthophylls: Differences in absorption spectra and in the dependency on solvent polarity. Journal of Photochemistry and Photobiology B: Biology, 1993, 21, 229-234.	1.7	129
142	Theoretical assessment of alternative mechanisms for non-photochemical quenching of PS II fluorescence in barley leaves. Photosynthesis Research, 1993, 36, 119-139.	1.6	107
143	Relationships between carotenoid composition and growth habit in British plant species. Plant, Cell and Environment, 1993, 16, 681-686.	2.8	84
144	The dissipation of excess excitation energy in British plant species. Plant, Cell and Environment, 1993, 16, 673-679.	2.8	276

#	Article	IF	Citations
145	The relationship between Photosystem II intrinsic quantum yield and millisecond luminescence in thylakoids. Photosynthesis Research, 1993, 37, 131-138.	1.6	2
146	Î”pH-dependent quenching of the Fo level of chlorophyll fluorescence in spinach leaves. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1142, 203-206.	0.5	21
147	Excitation-energy quenching in aggregates of the LHC II chlorophyll-protein complex: a time-resolved fluorescence study. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1141, 23-28.	0.5	141
148	Modulation of Î”pH-dependent nonphotochemical quenching of chlorophyll fluorescence in spinach chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1183, 339-344.	0.5	82
149	Induction of Nonphotochemical Energy Dissipation and Absorbance Changes in Leaves (Evidence for) Tj ETQq1 1 0.784314 rgBT /Ove 102, 741-750.	2.3	226
150	Mechanism of Î”pH-dependent dissipation of absorbed excitation energy by photosynthetic membranes. I. Spectroscopic analysis of isolated light-harvesting complexes. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1102, 30-38.	0.5	151
151	Mechanism of Î”pH-dependent dissipation of absorbed excitation energy by photosynthetic membranes. II. The relationship between LHCII aggregation in vitro and qE in isolated thylakoids. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1102, 39-44.	0.5	113
152	The molecular mechanism of the control of excitation energy dissipation in chloroplast membranes Inhibition of Î”pH-dependent quenching of chlorophyll fluorescence by dicyclohexylcarbodiimide. FEBS Letters, 1992, 309, 175-179.	1.3	68
153	Regulation of Photosystem II. Photosynthesis Research, 1992, 34, 375-385.	1.6	258
154	Mechanisms for controlling balance between light input and utilisation in the salt tolerant alga Dunaliella C9AA. Photosynthesis Research, 1992, 32, 181-191.	1.6	21
155	pH dependent chlorophyll fluorescence quenching in spinach thylakoids from light treated or dark adapted leaves. Photosynthesis Research, 1992, 31, 11-19.	1.6	79
156	Light-induced fluorescence quenching and loss of photochemistry in chromatophores of photosynthetic purple bacteria. Journal of Photochemistry and Photobiology B: Biology, 1992, 13, 253-265.	1.7	5
157	The relationship between zeaxanthin, energy-dependent quenching of chlorophyll fluorescence, and trans-thylakoid pH gradient in isolated chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1057, 320-330.	0.5	177
158	Long-wavelength chlorophyll species are associated with amplification of high-energy-state excitation quenching in higher plants. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1059, 355-360.	0.5	91
159	Dissipation of excitation energy by Photosystem II particles at low pH. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1058, 187-193.	0.5	40
160	Control of the light‐harvesting function of chloroplast membranes by aggregation of the LHCII chlorophyll-protein complex. FEBS Letters, 1991, 292, 1-4.	1.3	441
161	Resolution of components of non-photochemical chlorophyll fluorescence quenching in barley leaves. Photosynthesis Research, 1991, 27, 121-133.	1.6	264
162	The effect of high-energy-state excitation quenching on maximum and dark level chlorophyll fluorescence yield. Photosynthesis Research, 1990, 25, 199-211.	1.6	74

#	Article	IF	Citations
163	The mechanisms contributing to photosynthetic control of electron transport by carbon assimilation in leaves. Photosynthesis Research, 1990, 25, 83-100.	1.6	272
164	The mechanisms of changes in Photosystem II efficiency in spinach thylakoids. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1016, 219-227.	0.5	51
165	Uncoupler titration of energy-dependent chlorophyll fluorescence quenching and Photosystem II Photochemical yield in intact pea chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1016, 228-234.	0.5	33
166	Emerson enhancement, photosynthetic control and protein phosphorylation in isolated maize mesophyll chloroplasts; dependence upon carbon metabolism. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1017, 160-166.	0.5	11
167	The Use of Light Pulses to Investigate the Relaxation in the Dark of Chlorophyll Fluorescence Quenching in Barley Leaves. , 1990, , 631-634.		6
168	Regulation of Light Harvesting by Metabolic Events. , 1990, , 2905-2912.		1
169	The Effect of PH on Photosynthesis in Photosystem 2 Particles. , 1990, , 391-394.		1
170	Uncoupler Titrations of Energy-Dependent Quenching of Chlorophyll Fluorescence in Chloroplasts. , 1990, , 627-630.		1
171	Changes in Intrinsic Quantum Yield of Photosystem 2 Observed in Spinach Chloroplasts in vitro. , 1990, , 399-402.		1
172	Photosynthetic Metabolism in Barley Leaves Infected with Powdery Mildew. , 1990, , 3013-3016.		1
173	Photoinhibition of Photosynthetic Bacteria. , 1990, , 1467-1470.		0
174	Fluorescence Responses on Step Changes in Irradiance by Plants from Different Light Habitats. , 1990, , 3155-3158.		0
175	Non-photochemical quenching of chlorophyll fluorescence in the green alga Dunaliella. Photosynthesis Research, 1990, 24, 167-173.	1.6	24
176	Regulation of photosystem II by metabolic and environmental factors. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1989, 323, 269-279.	2.4	13
177	Enhancement of the Î”pH-dependent dissipation of excitation energy in spinach chloroplasts by light-activation: correlation with the synthesis of zeaxanthin. FEBS Letters, 1989, 256, 85-90.	1.3	90
178	A study of the regulation and function of energy-dependent quenching in pea chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 934, 135-143.	0.5	76
179	Studies on the induction of chlorophyll fluorescence in isolated barley protoplasts. IV. Resolution of non-photochemical quenching. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 932, 107-115.	0.5	295
180	Regulation of thylakoid protein phosphorylation by high-energy-state quenching. FEBS Letters, 1987, 221, 211-214.	1.3	28

#	Article	IF	Citations
181	Regulation of photosynthesis in isolated barley protoplasts: the contribution of cyclic photophosphorylation. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 894, 332-338.	0.5	35
182	Observation and characterisation of a transient in the yield of chlorophyll fluorescence in intact spinach chloroplasts. Photosynthesis Research, 1987, 11, 109-118.	1.6	5
183	Characterisation of the effects of Antimycin A upon high energy state quenching of chlorophyll fluorescence (qE) in spinach and pea chloroplasts. Photosynthesis Research, 1987, 12, 119-127.	1.6	65
184	Generation of oscillatory behavior in the Laisk model of photosynthetic carbon assimilation. Photosynthesis Research, 1987, 12, 129-143.	1.6	15
185	Inhibition of High Energy State Quenching in Spinach Chloroplasts by Low Concentrations of Antimycin A. , 1987, , 489-492.		4
186	Interplay between Environmental and Metabolic Factors in the Regulation of Electron Transport in Higher Plants. , 1987, , 681-688.		14
187	Photoinhibition of Isolated Chloroplasts and Protoplasts. , 1987, , 59-62.		6
188	Studies on the induction of chlorophyll fluorescence in barley protoplasts. III. Correlation betweeen changes in the level of glycerate 3-phosphate and the pattern of fluorescence quenching. Biochimica Et Biophysica Acta - Bioenergetics, 1986, 849, 1-6.	0.5	12
189	Heterogeneity in chloroplast photosystem II. Photosynthesis Research, 1986, 8, 193-207.	1.6	102
190	Observation of enhancement and state transitions in isolated intact chloroplasts. Photosynthesis Research, 1986, 10, 297-302.	1.6	14
191	Changes in topography and function of thylakoid membranes following membrane protein phosphorylation. Planta, 1986, 168, 330-336.	1.6	14
192	Phosphorylation of chloroplast membrane proteins partially protects against photoinhibition. Planta, 1985, 165, 37-42.	1.6	77
193	DCMU-Induced Fluorescence Changes and Photodestruction of Pigments Associated with an Inhibition of Photosystem I Cyclic Electron Flow. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1984, 39, 351-353.	0.6	23
194	Increase in the level of thylakoid protein phosphorylation in maize mesophyll chloroplasts by decrease in the transthylakoid pH gradient. FEBS Letters, 1984, 176, 133-138.	1.3	54
195	An investigation into the ATP requirement for phosphorylation of thylakoid proteins and for the ATP-induced decrease in the yield of chlorophyll fluorescence in chloroplasts at different stages of development. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 557-562.	0.5	27
196	Phosphorylation of chloroplast thylakoids decreases the maximum capacity of photosystem-II electron transfer. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 563-567.	0.5	47
197	An investigation of the mechanistic aspects of excitation energy redistribution following thylakoid membrane protein phosphorylation. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 568-573.	0.5	18
198	Studies on the induction of chlorophyll fluorescence in barley protoplasts. I. Factors affecting the observation of oscillations in the yield of chlorophyll fluorescence and the rate of oxygen evolution. Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character, 1984, 220, 361-370.	1.8	49

#	Article	IF	Citations
199	Studies on the induction of chlorophyll fluorescence in barley protoplasts. II. Resolution of fluorescence quenching by redox state and the transthylakoid pH gradient. Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character, 1984, 220, 371-382.	1.8	120
200	Regulation of Light Harvesting Chlorophyll a/b Binding Protein (LHCP) Phosphorylation in Intact Maize Mesophyll Chloroplasts. , 1984, , 299-302.		1
201	Relations between electron transport and carbon assimilation; simultaneous measurement of chlorophyll fluorescence, transthylakoid pH gradient and O 2 evolution in isolated chloroplasts. Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character, 1983, 217, 405-416.	1.8	58
202	Characterization of photosystem II electron acceptors in Phormidium laminosum. Archives of Biochemistry and Biophysics, 1983, 225, 353-359.	1.4	6
203	Effects of changes in the capacity for photosynthetic electron transfer and photophosphorylation on the kinetics of fluorescence induction in isolated chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 724, 404-410.	0.5	25
204	The influence of metabolic state on the level of phosphorylation of the light-harvesting chlorophyll-protein complex in chloroplasts isolated from maize mesophyll. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 725, 155-161.	0.5	43
205	Control of chloroplast electron transport by phosphorylation of thylakoid proteins. FEBS Letters, 1983, 152, 47-52.	1.3	123
206	Stimulation of a cyclic electron-transfer pathway around photosystem II by phosphorylation of chloroplast thylakoid proteins. FEBS Letters, 1983, 162, 81-84.	1.3	42
207	A comparison between cation and protein phosphorylation effects on the fluorescence induction curve in chloroplasts treated with 3-(3,4-dichlorophenyl)-1,1-dimethylurea. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 722, 214-218.	0.5	57
208	Heterogeneity in Photosystem II. Biochemical Society Transactions, 1982, 10, 338-340.	1.6	6
209	The effect of redox potential on the kinetics of fluorescence induction in Photosystem II particles from Phormidium laminosum. Sigmoidicity, energy transfer and the slow phase. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 680, 127-133.	0.5	23
210	On the nature of the fluorescence decrease due to phosphorylation of chloroplast membrane proteins. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 680, 22-27.	0.5	57
211	CHLOROPLAST MEMBRANE PROTEIN PHOSPHORYLATION. Photochemistry and Photobiology, 1982, 36, 743-748.	1.3	92
212	Light-induced redox changes in chloroplast cytochrome f after phosphorylation of membrane proteins. FEBS Letters, 1981, 132, 75-77.	1.3	27
213	Regulation of phosphorylation of chloroplast membrane polypeptides by the redox state of plastoquinone. FEBS Letters, 1981, 125, 193-196.	1.3	176
214	Does the acceptor Q2 fulfil an indispensable function in the primary reactions of photosystem II?. FEBS Letters, 1981, 135, 261-264.	1.3	15
215	Light-dependent quenching of chlorophyll fluorescence in pea chloroplasts induced by adenosine 5â€²-triphosphate. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 635, 53-62.	0.5	150
216	The effect of redox potential of the kinetics of fluorescence induction in pea chloroplasts I. Removal of the slow phase. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 635, 105-110.	0.5	39

#	Article	IF	Citations
217	The effect of redox potential on the kinetics of fluorescence induction in pea chloroplasts. II. Sigmoidicity. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 637, 152-158.	0.5	16
218	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.	0.5	59
219	Observation of two quenchers of chlorophyll fluorescence in chloroplasts at â^'196Â°C. Biochimica Et Biophysica Acta - Bioenergetics, 1980, 592, 559-564.	0.5	11
220	Activation of adenosine 5â€² triphosphate-induced quenching of chlorophyll fluorescence by reduced plastoquinone. FEBS Letters, 1980, 119, 141-144.	1.3	166
221	Characterization of two quenchers of chlorophyll fluorescence with different midpoint oxidation-reduction potentials in chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1979, 545, 188-201.	0.5	115
222	Loss of sensitivity to diuron after trypsin digestion of chloroplast photosystem II particles. FEBS Letters, 1979, 103, 22-26.	1.3	33
223	Interactions between Photosystem II components in chloroplast membranes. A correlation between the existence of a low potential species of cytochrome b-559 and low chlorophyll fluorescence in inhibited and developing chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1978, 503, 274-286.	0.5	14
224	The relationship between the activity of chloroplast Photosystem II and the midpoint oxidation-reduction potential of cytochrome b-559. Biochimica Et Biophysica Acta - Bioenergetics, 1977, 462, 86-101.	0.5	63
225	Quenching of chlorophyll fluorescence in chloroplast photosystem II particles by magnesium ions. FEBS Letters, 1977, 81, 259-263.	1.3	8
226	Stimulation of Photosystem I-induced oxidation of chloroplast cytochrome b-559 by preillumination and by low pH. Biochimica Et Biophysica Acta - Bioenergetics, 1976, 430, 122-134.	0.5	18
227	On the specific site of action of 3-(3,4-dichlorophenyl)-1,1-dimethylurea in chloroplasts: Inhibition of a dark acid-induced decrease in midpoint potential of cytochrome b-559. Archives of Biochemistry and Biophysics, 1976, 176, 519-524.	1.4	42
228	Organization and function of chloroplast photosystems. International Journal of Biochemistry & Cell Biology, 1976, 7, 597-605.	0.8	6
229	RECENT STUDIES ON THE CHLOROPLAST CYTOCHROME bâ€559. Photochemistry and Photobiology, 1975, 22, 304-308.	1.3	27
230	The Effect of Adenosine 5â€²-Triphosphate on the Shibata Shift and on Associated Structural Changes in the Conformation of the Prolamellar Body in Isolated Maize Etioplasts. Plant Physiology, 1975, 55, 393-400.	2.3	11
231	The Effect of ATP on the Photoconversion of Protochlorophyllide in Isolated Etioplasts of Zea mays. Plant Physiology, 1975, 56, 113-120.	2.3	24
232	Acid-base induced redox changes of the chloroplast cytochrome b -559. FEBS Letters, 1975, 56, 244-247.	1.3	36
233	Light-induced turnover of chloroplast cytochrome b-559 in the presence of N-methylphenazonium methosulphate. Biochimica Et Biophysica Acta - Bioenergetics, 1975, 396, 310-319.	0.5	10
234	A chloroplast membrane conformational change activated by electron transport between the region of photosystem II and plastoquinone. Journal of Bioenergetics and Biomembranes, 1974, 6, 167-177.	1.0	15

#	Article	IF	Citations
235	The accessibility of the chloroplast cytochromes Æ' and b-559 to ferricyanide. Biochimica Et Biophysica Acta - Bioenergetics, 1974, 368, 348-360.	0.5	50
236	Inhibition of chemical oxidation and reduction of cytochromes Æ' and b-559 by carbonylcyanide p-trifluoromethoxy phenylhydrazone. Biochimica Et Biophysica Acta - Bioenergetics, 1974, 368, 361-370.	0.5	6