

Adam M Gilmore

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

4,386
citations

279798

23
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

2809
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo functions of carotenoids in higher plants. <i>FASEB Journal</i> , 1996, 10, 403-412.	0.5	655
2	Mechanistic aspects of xanthophyll cycle-dependent photoprotection in higher plant chloroplasts and leaves. <i>Physiologia Plantarum</i> , 1997, 99, 197-209.	5.2	574
3	Regulation of Photosynthetic Light Harvesting Involves Intrathylakoid Lumen pH Sensing by the PsbS Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 22866-22874.	3.4	483
4	PsbS-dependent enhancement of feedback de-excitation protects photosystem II from photoinhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15222-15227.	7.1	439
5	Resolution of lutein and zeaxanthin using a non-encapped, lightly carbon-loaded C18 high-performance liquid chromatographic column. <i>Journal of Chromatography A</i> , 1991, 543, 137-145.	3.7	437
6	Linear models relating xanthophylls and lumen acidity to non-photochemical fluorescence quenching. Evidence that antheraxanthin explains zeaxanthin-independent quenching. <i>Photosynthesis Research</i> , 1993, 35, 67-78.	2.9	308
7	Zeaxanthin Formation and Energy-Dependent Fluorescence Quenching in Pea Chloroplasts under Artificially Mediated Linear and Cyclic Electron Transport. <i>Plant Physiology</i> , 1991, 96, 635-643.	4.8	239
8	Quantitative Analysis of the Effects of Intrathylakoid pH and Xanthophyll Cycle Pigments on Chlorophyll a Fluorescence Lifetime Distributions and Intensity in Thylakoids. <i>Biochemistry</i> , 1998, 37, 13582-13593.	2.5	149
9	Photosystem II chlorophyll a fluorescence lifetimes and intensity are independent of the antenna size differences between barley wild-type and chlorina mutants: Photochemical quenching and xanthophyll cycle-dependent nonphotochemical quenching of fluorescence. <i>Photosynthesis Research</i> , 1996, 48, 171-187.	2.9	99
10	Molecular and Global Time-resolved Analysis of a psbS Gene Dosage Effect on pH- and Xanthophyll Cycle-dependent Nonphotochemical Quenching in Photosystem II. <i>Journal of Biological Chemistry</i> , 2002, 277, 33590-33597.	3.4	92
11	Adenine nucleotides and the xanthophyll cycle in leaves. <i>Planta</i> , 1994, 192, 537-544.	3.2	91
12	Comparative Time-Resolved Photosystem II Chlorophyll <i>a</i> Fluorescence Analyses Reveal Distinctive Differences between Photoinhibitory Reaction Center Damage and Xanthophyll Cycle-Dependent Energy Dissipation*. <i>Photochemistry and Photobiology</i> , 1996, 64, 552-563.	2.5	87
13	Temperature-sensitive coupling and uncoupling of ATPase-mediated, nonradiative energy dissipation: Similarities between chloroplasts and leaves. <i>Planta</i> , 1995, 197, 646.	3.2	84
14	Adenine nucleotides and the xanthophyll cycle in leaves. <i>Planta</i> , 1994, 192, 526-536.	3.2	79
15	Epoxidation of zeaxanthin and antheraxanthin reverses non-photochemical quenching of photosystem II chlorophylla fluorescence in the presence of trans-thylakoid pH . <i>FEBS Letters</i> , 1994, 350, 271-274.	2.8	77
16	Minireview. Mechanistic aspects of xanthophyll cycle-dependent photoprotection in higher plant chloroplasts and leaves. <i>Physiologia Plantarum</i> , 1997, 99, 197-209.	5.2	71
17	How Higher Plants Respond to Excess Light: Energy dissipation in photosystem II. , 1999, , 513-548.		62
18	Global spectral-kinetic analysis of room temperature chlorophyll a fluorescence from light-harvesting antenna mutants of barley. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1371-1384.	4.0	53

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19	Simultaneous Time Resolution of the Emission Spectra of Fluorescent Proteins and Zooxanthellar Chlorophyll in Reef-building Corals. <i>Photochemistry and Photobiology</i> , 2003, 77, 515.	2.5	52
20	Sustained downregulation of photosystem II in mistletoes during winter depression of photosynthesis. <i>Functional Plant Biology</i> , 2002, 29, 1157.	2.1	44
21	Xanthophyll cycle-dependent nonphotochemical quenching in Photosystem II: Mechanistic insights gained from <i>Arabidopsis thaliana</i> L. mutants that lack violaxanthin deepoxidase activity and/or lutein. <i>Photosynthesis Research</i> , 2001, 67, 89-101.	2.9	43
22	Authentication of the geographical origin of Australian Cabernet Sauvignon wines using spectrofluorometric and multi-element analyses with multivariate statistical modelling. <i>Food Chemistry</i> , 2021, 335, 127592.	8.2	38
23	Spectrofluorometric analysis combined with machine learning for geographical and varietal authentication, and prediction of phenolic compound concentrations in red wine. <i>Food Chemistry</i> , 2021, 361, 130149.	8.2	25
24	Time-resolution of the Antheraxanthin- and pH-dependent Chlorophyll a Fluorescence Components Associated with Photosystem II Energy Dissipation in <i>Mantoniella squamata</i> . <i>Photochemistry and Photobiology</i> , 2001, 74, 291.	2.5	24
25	Diurnal and acclimatory responses of violaxanthin and lutein epoxide in the Australian mistletoe <i>Amyema miquelii</i> . <i>Functional Plant Biology</i> , 2001, 28, 793.	2.1	22
26	Title is missing!. <i>Photosynthesis Research</i> , 1998, 57, 159-174.	2.9	17
27	A-TEEM TM , a new molecular fingerprinting technique: simultaneous absorbance-transmission and fluorescence excitation-emission matrix method. <i>Methods and Applications in Fluorescence</i> , 2018, 6, 027002.	2.3	17
28	Comparison of high-light effects with and without methyl viologen indicate barley chlorina mutants exhibit contrasting sensitivities depending on the specific nature of the chlorina mutation: comparison of wild type, chlorophyll-b-less clo f2 and light-sensitive chlorophyll-b-deficient clo f104 mutants. <i>Functional Plant Biology</i> , 2002, 29, 1171.	2.1	10
29	Advances in understanding acclimation to light stress and light-energy dissipation mechanisms in photosynthetic organisms: an overview of the Light Stress and Photosynthesis meeting (LS2001) and dedicated Special Section papers. <i>Functional Plant Biology</i> , 2002, 29, 1125.	2.1	6
30	Absorbance-Transmittance Excitation Emission Matrix Method for Quantification of Major Cannabinoids and Corresponding Acids: A Rapid Alternative to Chromatography for Rapid Chemotype Discrimination of <i>Cannabis sativa</i> Varieties. <i>Cannabis and Cannabinoid Research</i> , 2023, 8, 911-922.	2.9	5
31	Simultaneous Time Resolution of the Emission Spectra of Fluorescent Proteins and Zooxanthellar Chlorophyll in Reef-building Corals. <i>Photochemistry and Photobiology</i> , 2007, 77, 515-523.	2.5	3
32	Time-resolution of the Antheraxanthin- and pH-dependent Chlorophyll a Fluorescence Components Associated with Photosystem II Energy Dissipation in <i>Mantoniella squamata</i> . <i>Photochemistry and Photobiology</i> , 2007, 74, 291-302.	2.5	1