Adam M Gilmore

List of Publications by Year
in descending order

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	Absorbance-Transmittance Excitation Emission Matrix Method for Quantification of Major Cannabinoids and Corresponding Acids: A Rapid Alternative to Chromatography for Rapid Chemotype Discrimination of Cannabis sativa Varieties. Cannabis and Cannabinoid Research, 2023, 8, 911-922.	2.9	5
2	Authentication of the geographical origin of Australian Cabernet Sauvignon wines using spectrofluorometric and multi-element analyses with multivariate statistical modelling. Food Chemistry, 2021, 335, 127592.	8.2	38
3	Spectrofluorometric analysis combined with machine learning for geographical and varietal authentication, and prediction of phenolic compound concentrations in red wine. Food Chemistry, 2021, 361, 130149.	8.2	25
4	A-TEEM^{TM}, a new molecular fingerprinting technique: simultaneous absorbance-transmission and fluorescence excitation-emission matrix method. Methods and Applications in Fluorescence, 2018, 6, 027002.	2.3	17
5	Time-resolution of the Antheraxanthin- and Î”pH-dependent Chlorophyll a Fluorescence Components Associated with Photosystem II Energy Dissipation in Mantoniella squamataÂ¶. Photochemistry and Photobiology, 2007, 74, 291-302.	2.5	1
6	Simultaneous Time Resolution of the Emission Spectra of Fluorescent Proteins and Zooxanthellar Chlorophyll in Reef-building Corals Â¶â€. Photochemistry and Photobiology, 2007, 77, 515-523.	2.5	3
7	Regulation of Photosynthetic Light Harvesting Involves Intrathylakoid Lumen pH Sensing by the PsbS Protein. Journal of Biological Chemistry, 2004, 279, 22866-22874.	3.4	483
8	Simultaneous Time Resolution of the Emission Spectra of Fluorescent Proteins and Zooxanthellar Chlorophyll in Reef-building CoralsÂ¶â€. Photochemistry and Photobiology, 2003, 77, 515.	2.5	52
9	PsbS-dependent enhancement of feedback de-excitation protects photosystem II from photoinhibition. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15222-15227.	7.1	439
10	Molecular and Global Time-resolved Analysis of a psbSGene Dosage Effect on pH- and Xanthophyll Cycle-dependent Nonphotochemical Quenching in Photosystem II. Journal of Biological Chemistry, 2002, 277, 33590-33597.	3.4	92
11	Sustained downregulation of photosystem II in mistletoes during winter depression of photosynthesis. Functional Plant Biology, 2002, 29, 1157.	2.1	44
12	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. Functional Plant Biology, 2002, 29, 1171.	2.1	10
13	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. Functional Plant Biology, 2002, 29, 1125.	2.1	6
14	Diurnal and acclimatory responses of violaxanthin and lutein epoxide in the Australian mistletoe Amyema miquelii. Functional Plant Biology, 2001, 28, 793.	2.1	22
15	Xanthophyll cycle-dependent nonphotochemical quenching in Photosystem II: Mechanistic insights gained from Arabidopsis thaliana L. mutants that lack violaxanthin deepoxidase activity and/or lutein. Photosynthesis Research, 2001, 67, 89-101.	2.9	43
16	Time-resolution of the Antheraxanthin- and Î”pH-dependent Chlorophyll a Fluorescence Components Associated with Photosystem II Energy Dissipation in Mantoniella squamataÂ¶. Photochemistry and Photobiology, 2001, 74, 291.	2.5	24
17	Global spectralâ€“kinetic analysis of room temperature chlorophyll a fluorescence from light-harvesting antenna mutants of barley. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1371-1384.	4.0	53
18	How Higher Plants Respond to Excess Light: Energy dissipation in photosystem II. , 1999, , 513-548.		62

#	Article	IF	Citations
19	Title is missing!. Photosynthesis Research, 1998, 57, 159-174.	2.9	17
20	Quantitative Analysis of the Effects of Intrathylakoid pH and Xanthophyll Cycle Pigments on Chlorophyll a Fluorescence Lifetime Distributions and Intensity in Thylakoids. Biochemistry, 1998, 37, 13582-13593.	2.5	149
21	Mechanistic aspects of xanthophyll cycle-dependent photoprotection in higher plant chloroplasts and leaves. Physiologia Plantarum, 1997, 99, 197-209.	5.2	574
22	Minireview. Mechanistic aspects of xanthophyll cycle-dependent photoprotection in higher plant chloroplasts and leaves. Physiologia Plantarum, 1997, 99, 197-209.	5.2	71
23	In vivo functions of carotenoids in higher plants. FASEB Journal, 1996, 10, 403-412.	0.5	655
24	Comparative Timeâ€Resolved Photosystem II Chlorophyll a Fluorescence Analyses Reveal Distinctive Differences between Photoinhibitory Reaction Center Damage and Xanthophyll Cycleâ€Dependent Energy Dissipation*. Photochemistry and Photobiology, 1996, 64, 552-563.	2.5	87
25	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. Photosynthesis Research, 1996, 48, 171-187.	2.9	99
26	Temperature-sensitive coupling and uncoupling of ATPase-mediated, nonradiative energy dissipation: Similarities between chloroplasts and leaves. Planta, 1995, 197, 646.	3.2	84
27	Adenine nucleotides and the xanthophyll cycle in leaves. Planta, 1994, 192, 526-536.	3.2	79
28	Adenine nucleotides and the xanthophyll cycle in leaves. Planta, 1994, 192, 537-544.	3.2	91
29	Epoxidation of zeaxanthin and antheraxanthin reverses non-photochemical quenching of photosystem II chlorophyllafluorescence in the presence of trans-thylakoid Î”pH. FEBS Letters, 1994, 350, 271-274.	2.8	77
30	Linear models relating xanthophylls and lumen acidity to non-photochemical fluorescence quenching. Evidence that antheraxanthin explains zeaxanthin-independent quenching. Photosynthesis Research, 1993, 35, 67-78.	2.9	308
31	Resolution of lutein and zeaxanthin using a non-endcapped, lightly carbon-loaded C18 high-performance liquid chromatographic column. Journal of Chromatography A, 1991, 543, 137-145.	3.7	437
32	Zeaxanthin Formation and Energy-Dependent Fluorescence Quenching in Pea Chloroplasts under Artificially Mediated Linear and Cyclic Electron Transport. Plant Physiology, 1991, 96, 635-643.	4.8	239