

Brian R Jordan

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,137
citations

186265

28
h-index

330143

37
g-index

42
all docs

42
docs citations

42
times ranked

2876
citing authors

#	ARTICLE	IF	CITATIONS
1	Early signaling components in ultraviolet-B responses: distinct roles for different reactive oxygen species and nitric oxide. <i>FEBS Letters</i> , 2001, 489, 237-242.	2.8	375
2	Anthocyanin and antioxidant capacity in Roselle (<i>Hibiscus Sabdariffa</i> L.) extract. <i>Food Research International</i> , 2002, 35, 351-356.	6.2	295
3	The Effects of Ultraviolet-B Radiation on Plants: A Molecular Perspective. <i>Advances in Botanical Research</i> , 1996, 22, 97-162.	1.1	232
4	Review: Molecular response of plant cells to UV-B stress. <i>Functional Plant Biology</i> , 2002, 29, 909.	2.1	165
5	From ozone depletion to agriculture: understanding the role of <sc>UV</sc> radiation in sustainable crop production. <i>New Phytologist</i> , 2013, 197, 1058-1076.	7.3	159
6	Deletion mapping of genetic regions associated with apomixis in <i>Hieracium</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18650-18655.	7.1	138
7	Identification of the lipoxygenase gene family from <i>Vitis vinifera</i> and biochemical characterisation of two 13-lipoxygenases expressed in grape berries of Sauvignon Blanc. <i>Functional Plant Biology</i> , 2010, 37, 767.	2.1	126
8	The Evolution of Flavonoid Biosynthesis: A Bryophyte Perspective. <i>Frontiers in Plant Science</i> , 2020, 11, 7.	3.6	126
9	Responses of Nine <i>Trifolium repens</i> L. Populations to Ultraviolet-B Radiation: Differential Flavonol Glycoside Accumulation and Biomass Production. <i>Annals of Botany</i> , 2000, 86, 527-537.	2.9	110
10	From <sc>UVR</sc>8 to flavonol synthase: <sc>UV</sc>â€<sc>B</sc>â€induced gene expression in <sc>S</sc>aUVignon blanc grape berry. <i>Plant, Cell and Environment</i> , 2015, 38, 905-919.	5.7	109
11	Genetic analysis of the liverwort <i>Marchantia polymorpha</i> reveals that R2R3<sc>MYB</sc> activation of flavonoid production in response to abiotic stress is an ancient character in land plants. <i>New Phytologist</i> , 2018, 218, 554-566.	7.3	98
12	Reduction in cabandpsbA RNA transcripts in response to supplementary ultraviolet-B radiation. <i>FEBS Letters</i> , 1991, 284, 5-8.	2.8	95
13	UVR8â€mediated induction of flavonoid biosynthesis for UVB tolerance is conserved between the liverwort <i>Marchantia polymorpha</i> and flowering plants. <i>Plant Journal</i> , 2018, 96, 503-517.	5.7	93
14	UVB Radiation Induced Increase in Quercetin:Kaempferol Ratio in Wild-Type and Transgenic Lines of <i>Petunia</i> . <i>Photochemistry and Photobiology</i> , 1998, 68, 323.	2.5	87
15	Metabolite profiling and transcriptomic analyses reveal an essential role of UVR8-mediated signal transduction pathway in regulating flavonoid biosynthesis in tea plants (<i>Camellia sinensis</i>) in response to shading. <i>BMC Plant Biology</i> , 2018, 18, 233.	3.6	84
16	Effects of Supplementary Ultraviolet-B Radiation on Photosynthetic Transcripts at Different Stages of Leaf Development and Light Levels in Pea (<i>Pisum sativum</i> L.): Role of Active Oxygen Species and Antioxidant Enzymes.. <i>Photochemistry and Photobiology</i> , 1998, 68, 88-96.	2.5	78
17	Ultravioletâ€B exposure leads to upâ€regulation of senescenceâ€associated genes in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2001, 52, 1367-1373.	4.8	78
18	The role of phospholipids in the molecular organisation of pea chloroplast membranes. Effect of phospholipid depletion on photosynthetic activities. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 725, 77-86.	1.0	68

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19	Auronidins are a previously unreported class of flavonoid pigments that challenges when anthocyanin biosynthesis evolved in plants. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20232-20239.	7.1	63
20	Multivariate analysis of intraspecific responses to UV-B radiation in white clover (<i>Trifolium repens</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	55
21	UVB Radiation Induced Increase in Quercetin: Kaempferol Ratio in Wild Type and Transgenic Lines of Petunia. Photochemistry and Photobiology, 1998, 68, 323-330.	2.5	51
22	The effect of supplementary ultraviolet-B radiation on mRNA transcripts, translation and stability of chloroplast proteins and pigment formation in <i>Pisum sativum</i> L.. Journal of Experimental Botany, 1997, 48, 729-738.	4.8	47
23	Effects of Supplementary Ultraviolet-B Radiation on Photosynthetic Transcripts at Different Stages of Leaf Development and Light Levels in Pea (<i>Pisum sativum</i> L.): Role of Active Oxygen Species and Antioxidant Enzymes.. Photochemistry and Photobiology, 1998, 68, 88.	2.5	47
24	Amelioration of Ultraviolet-B-Induced Down-Regulation of mRNA Levels for Chloroplast Proteins, by High Irradiance, is Mediated by Photosynthesis. Journal of Plant Physiology, 1996, 148, 100-106.	3.5	40
25	The effects of ultraviolet-B radiation on the CF ₁ F ₀ -ATPase. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1185, 295-302.	1.0	36
26	Changes to the Stoichiometry of Glycine Decarboxylase Subunits during Wheat (<i>Triticum aestivum</i> L.) and Pea (<i>Pisum sativum</i> L.) Leaf Development. Plant Physiology, 1991, 96, 952-956.	4.8	32
27	Effects of Light and Inhibitors on Glutamate Metabolism in Leaf Discs of <i>Vicia faba</i> L. Plant Physiology, 1979, 64, 1043-1047.	4.8	30
28	Methoxypyrazine Accumulation and <i>O</i> -Methyltransferase Gene Expression in Sauvignon blanc Grapes: The Role of Leaf Removal, Light Exposure, and Berry Development.. Journal of Agricultural and Food Chemistry, 2016, 64, 2200-2208.	5.2	30
29	Floral flavonoids and pH in <i>Dendrobium</i> orchid species and hybrids. Euphytica, 1997, 95, 187-194.	1.2	27
30	Chloroplast gene expression in lettuce grown under different irradiances. Planta, 1989, 178, 69-75.	3.2	22
31	Cloning and sequence analysis of a <i>lipoxygenase</i> homologue isolated from cauliflower (<i>Brassica oleracea</i> L.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 22	3.9	22
32	Effect of Nicotinamide on Gene Expression and Glutathione Levels in Tissue Cultures of <i>Pisum sativum</i> . Journal of Plant Physiology, 1993, 142, 676-684.	3.5	22
33	Isolation and characterization of bacteriophages infecting <i>Xanthomonas arboricola</i> pv. <i>juglandis</i> , the causal agent of walnut blight disease. World Journal of Microbiology and Biotechnology, 2012, 28, 1917-1927.	3.6	21
34	The Molecular Biology of Plants Exposed to Ultraviolet-B Radiation and the Interaction with Other Stresses. , 1993, , 153-170.		18
35	Changes in Gene Expression in Response to Ultraviolet B-Induced Stress. Books in Soils, Plants, and the Environment, 1999, , 749-768.	0.1	17
36	Comparisons of controlled environment and vineyard experiments in Sauvignon blanc grapes reveal similar UV-B signal transduction pathways for flavonol biosynthesis. Plant Science, 2018, 276, 44-53.	3.6	13

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37	Factors Affecting Phytochrome Transcripts and Apoprotein Synthesis in Germinating Embryos of <i>Avena sativa</i> L.. <i>Journal of Experimental Botany</i> , 1989, 40, 1299-1304.	4.8	12
38	Individual members of the light-harvesting complex II chlorophyll a/b -binding protein gene family in pea (<i>Pisum sativum</i>) show differential responses to ultraviolet-B radiation. <i>Physiologia Plantarum</i> , 1998, 103, 377-384.	5.2	9
39	The effects of ultraviolet-B on <i>Vitis vinifera</i> - how important is UV-B for grape biochemical composition?. , 2017, , 144-161.		4
40	Biotechnology of floral development.. , 2006, , 237-266.		2
41	Plant Responses to Stress: Ultraviolet Light. , 2004, , 1019-1022.		0