

Michael J Considine

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,664
citations

126907

33
h-index

138484

58
g-index

65
all docs

65
docs citations

65
times ranked

5768
citing authors

#	ARTICLE	IF	CITATIONS
1	Neglecting legumes has compromised human health and sustainable food production. <i>Nature Plants</i> , 2016, 2, 16112.	9.3	529
2	Redox Regulation of Plant Development. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1305-1326.	5.4	235
3	Flavonoid-rich apples and nitrate-rich spinach augment nitric oxide status and improve endothelial function in healthy men and women: a randomized controlled trial. <i>Free Radical Biology and Medicine</i> , 2012, 52, 95-102.	2.9	226
4	Molecular Distinction between Alternative Oxidase from Monocots and Dicots. <i>Plant Physiology</i> , 2002, 129, 949-953.	4.8	189
5	The Expression of Alternative Oxidase and Uncoupling Protein during Fruit Ripening in Mango. <i>Plant Physiology</i> , 2001, 126, 1619-1629.	4.8	142
6	Superoxide Stimulates a Proton Leak in Potato Mitochondria That Is Related to the Activity of Uncoupling Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 22298-22302.	3.4	123
7	Acute Effects of Chlorogenic Acid on Nitric Oxide Status, Endothelial Function, and Blood Pressure in Healthy Volunteers: A Randomized Trial. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9130-9136.	5.2	119
8	Antibacterial Mouthwash Blunts Oral Nitrate Reduction and Increases Blood Pressure in Treated Hypertensive Men and Women. <i>American Journal of Hypertension</i> , 2015, 28, 572-575.	2.0	118
9	On the language and physiology of dormancy and quiescence in plants. <i>Journal of Experimental Botany</i> , 2016, 67, 3189-3203.	4.8	112
10	Nature's pulse power: legumes, food security and climate change. <i>Journal of Experimental Botany</i> , 2017, 68, 1815-1818.	4.8	97
11	Dietary flavonoids and nitrate: effects on nitric oxide and vascular function. <i>Nutrition Reviews</i> , 2015, 73, 216-235.	5.8	96
12	Whole-Genome Sequencing of Salivary Gland Adenoid Cystic Carcinoma. <i>Cancer Prevention Research</i> , 2016, 9, 265-274.	1.5	80
13	Oxygen and reactive oxygen species-dependent regulation of plant growth and development. <i>Plant Physiology</i> , 2021, 186, 79-92.	4.8	75
14	Supplementation of a High-Fat Diet with Chlorogenic Acid Is Associated with Insulin Resistance and Hepatic Lipid Accumulation in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4371-4378.	5.2	73
15	Redox Changes During the Cell Cycle in the Embryonic Root Meristem of <i>Arabidopsis thaliana</i> . <i>Antioxidants and Redox Signaling</i> , 2017, 27, 1505-1519.	5.4	69
16	Molecular Portrait of Hypoxia in Breast Cancer: A Prognostic Signature and Novel HIF-Regulated Genes. <i>Molecular Cancer Research</i> , 2018, 16, 1889-1901.	3.4	68
17	Flavonoid-Rich Apple Improves Endothelial Function in Individuals at Risk for Cardiovascular Disease: A Randomized Controlled Clinical Trial. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700674.	3.3	65
18	Tankyrase inhibition promotes a stable human naïve pluripotent state with improved functionality. <i>Development (Cambridge)</i> , 2016, 143, 4368-4380.	2.5	64

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19	Short-term effects of nitrate-rich green leafy vegetables on blood pressure and arterial stiffness in individuals with high-normal blood pressure. <i>Free Radical Biology and Medicine</i> , 2014, 77, 353-362.	2.9	60
20	Cell cycle arrest in plants: what distinguishes quiescence, dormancy and differentiated G1?. <i>Annals of Botany</i> , 2017, 120, 495-509.	2.9	60
21	Unravelling how plants benefit from ROS and NO reactions, while resisting oxidative stress. <i>Annals of Botany</i> , 2015, 116, 469-473.	2.9	59
22	Sulphur dioxide evokes a large scale reprogramming of the grape berry transcriptome associated with oxidative signalling and biotic defence responses. <i>Plant, Cell and Environment</i> , 2012, 35, 405-417.	5.7	57
23	Learning To Breathe: Developmental Phase Transitions in Oxygen Status. <i>Trends in Plant Science</i> , 2017, 22, 140-153.	8.8	54
24	The acute effect of flavonoid-rich apples and nitrate-rich spinach on cognitive performance and mood in healthy men and women. <i>Food and Function</i> , 2014, 5, 849-858.	4.6	53
25	Nitric Oxide Enables Germination by a Four-Pronged Attack on ABA-Induced Seed Dormancy. <i>Frontiers in Plant Science</i> , 2018, 9, 296.	3.6	53
26	Integrated Analysis of Whole-Genome CHIP-Seq and RNA-Seq Data of Primary Head and Neck Tumor Samples Associates HPV Integration Sites with Open Chromatin Marks. <i>Cancer Research</i> , 2017, 77, 6538-6550.	0.9	50
27	Root system architecture, physiological and transcriptional traits of soybean (<sc><i>Glycine</i> Tj ETQq1 1 0.784314 rgBT /Overlock 1	5.2	49
28	Unraveling the Role of Mitochondria During Oxidative Stress in Plants. <i>IUBMB Life</i> , 2001, 51, 201-205.	3.4	48
29	Modelling predicts that soybean is poised to dominate crop production across <sc>A</sc>frica. <i>Plant, Cell and Environment</i> , 2019, 42, 373-385.	5.7	47
30	Spatio-temporal relief from hypoxia and production of reactive oxygen species during bud burst in grapevine (<i>Vitis vinifera</i>). <i>Annals of Botany</i> , 2015, 116, 703-711.	2.9	44
31	Developmental control of hypoxia during bud burst in grapevine. <i>Plant, Cell and Environment</i> , 2018, 41, 1154-1170.	5.7	43
32	Diversity arrays technology (DART) markers in apple for genetic linkage maps. <i>Molecular Breeding</i> , 2012, 29, 645-660.	2.1	41
33	The sub/supra-optimal temperature-induced inhibition of photosynthesis and oxidative damage in cucumber leaves are alleviated by grafting onto fig/leaf gourd/luffa rootstocks. <i>Physiologia Plantarum</i> , 2014, 152, 571-584.	5.2	39
34	PatternMarkers & GWCogAPS for novel data-driven biomarkers via whole transcriptome NMF. <i>Bioinformatics</i> , 2017, 33, 1892-1894.	4.1	39
35	Integrated single-cell and bulk gene expression and ATAC-seq reveals heterogeneity and early changes in pathways associated with resistance to cetuximab in HNSCC-sensitive cell lines. <i>British Journal of Cancer</i> , 2020, 123, 101-113.	6.4	38
36	Roles for Light, Energy, and Oxygen in the Fate of Quiescent Axillary Buds. <i>Plant Physiology</i> , 2018, 176, 1171-1181.	4.8	35

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37	Stress effects on the reactive oxygen species-dependent regulation of plant growth and development. <i>Journal of Experimental Botany</i> , 2021, 72, 5795-5806.	4.8	31
38	Molecular Genetic Features of Polyploidization and Aneuploidization Reveal Unique Patterns for Genome Duplication in Diploid Malus. <i>PLoS ONE</i> , 2012, 7, e29449.	2.5	27
39	Polyphenol Composition of Plum Selections in Relation to Total Antioxidant Capacity. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10256-10262.	5.2	26
40	Nitrate causes a dose-dependent augmentation of nitric oxide status in healthy women. <i>Food and Function</i> , 2012, 3, 522.	4.6	21
41	Growth temperature-induced changes in biomass accumulation, photosynthesis and glutathione redox homeostasis as influenced by hydrogen peroxide in cucumber. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 1-10.	5.8	21
42	The initiation of bud burst in grapevine features dynamic regulation of the apoplastic pore size. <i>Journal of Experimental Botany</i> , 2020, 71, 719-729.	4.8	20
43	Metabolic responses to sulfur dioxide in grapevine (<i>Vitis vinifera</i> L.): photosynthetic tissues and berries. <i>Frontiers in Plant Science</i> , 2015, 6, 60.	3.6	19
44	Cytokines secreted by stromal cells in TNBC microenvironment as potential targets for cancer therapy. <i>Cancer Biology and Therapy</i> , 2020, 21, 560-569.	3.4	17
45	Chromatin structure regulates cancer-specific alternative splicing events in primary HPV-related oropharyngeal squamous cell carcinoma. <i>Epigenetics</i> , 2020, 15, 959-971.	2.7	17
46	Oxygen, Energy, and Light Signalling Direct Meristem Fate. <i>Trends in Plant Science</i> , 2018, 23, 1-3.	8.8	16
47	Functional characterization of alternatively spliced GSN in head and neck squamous cell carcinoma. <i>Translational Research</i> , 2018, 202, 109-119.	5.0	15
48	Methylomic Landscapes of Ovarian Cancer Precursor Lesions. <i>Clinical Cancer Research</i> , 2020, 26, 6310-6320.	7.0	15
49	Respiratory gene expression in soybean cotyledons during post-germinative development. <i>Plant Molecular Biology</i> , 2003, 51, 745-755.	3.9	14
50	Phenolic composition of 91 Australian apple varieties: towards understanding their health attributes. <i>Food and Function</i> , 2020, 11, 7115-7125.	4.6	11
51	The bud dormancy disconnect: latent buds of grapevine are dormant during summer despite a high metabolic rate. <i>Journal of Experimental Botany</i> , 2022, 73, 2061-2076.	4.8	10
52	Running the full human developmental clock in interspecies chimeras using alternative human stem cells with expanded embryonic potential. <i>Npj Regenerative Medicine</i> , 2021, 6, 25.	5.2	7
53	Mitochondrial Respiration and Oxygen Tension. <i>Methods in Molecular Biology</i> , 2017, 1670, 97-113.	0.9	4
54	AGA: Interactive pipeline for reproducible gene expression and DNA methylation data analyses. <i>F1000Research</i> , 2015, 4, 28.	1.6	4

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55	Soil Water Content Directly Affects Bud Burst Rate in Single-Node Cuttings of Perennial Plants. <i>Agronomy</i> , 2022, 12, 360.	3.0	2
56	Interrogation of T Cell-enriched Tumors Reveals Prognostic and Immunotherapeutic Implications of Polyamine Metabolism. <i>Cancer Research Communications</i> , 2022, 2, 639-652.	1.7	2
57	An Evaluation of Nuclei Preparation of the Dormant Axillary Bud of Grapevine for Cell Cycle Analysis by Flow Cytometry. <i>Frontiers in Plant Science</i> , 2022, 13, 834977.	3.6	1