

Michael P Fuller

List of Publications by Year in descending order

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66
papers

1,766
citations

279487

23
h-index

301761

39
g-index

66
all docs

66
docs citations

66
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	The improved phytoextraction of lead (Pb) and the growth of maize (<i>Zea mays</i> L.): the role of plant growth regulators (GA3 and IAA) and EDTA alone and in combinations. <i>Chemosphere</i> , 2010, 80, 457-462.	4.2	145
2	The freezing characteristics of wheat at ear emergence. <i>European Journal of Agronomy</i> , 2007, 26, 435-441.	1.9	131
3	Impact of application of zinc oxide nanoparticles on callus induction, plant regeneration, element content and antioxidant enzyme activity in tomato (<i>Solanum lycopersicum</i> Mill.) under salt stress. <i>Archives of Biological Sciences</i> , 2016, 68, 723-735.	0.2	105
4	Freezing of Barley Studied by Infrared Video Thermography. <i>Plant Physiology</i> , 2001, 125, 227-240.	2.3	100
5	Advances in physiological and molecular aspects of plant cold tolerance. <i>Journal of Plant Interactions</i> , 2017, 12, 143-157.	1.0	93
6	The use of infrared thermal imaging in the study of ice nucleation and freezing of plants. <i>Journal of Thermal Biology</i> , 1998, 23, 81-89.	1.1	75
7	Artificial Seeds (Principle, Aspects and Applications). <i>Agronomy</i> , 2017, 7, 71.	1.3	65
8	Durum wheat quality: II. The relationship of kernel physicochemical composition to semolina quality and end product utilisation. <i>International Journal of Food Science and Technology</i> , 2006, 41, 47-55.	1.3	60
9	The alteration of mRNA expression of SOD and GPX genes, and proteins in tomato (<i>Lycopersicon</i>) Tj ETQq1 1 0.784314 rgBT /Overlo <i>Sciences</i> , 2016, 23, 773-781.	1.8	54
10	Use of a Hydrophobic Particle Film as a Barrier to Extrinsic Ice Nucleation in Tomato Plants. <i>Journal of the American Society for Horticultural Science</i> , 2002, 127, 358-364.	0.5	49
11	An investigation of the frost hardiness of grapevine (<i>Vitis vinifera</i>) during bud break. <i>Annals of Applied Biology</i> , 1999, 135, 589-595.	1.3	46
12	Effect of soil applied zinc sulphate on wheat (<i>Triticum aestivum</i> L.) grown on a calcareous soil in Pakistan. <i>Cereal Research Communications</i> , 2008, 36, 571-582.	0.8	44
13	A seedling test for cold hardiness in <i>Lolium perenne</i> L. <i>Journal of Agricultural Science</i> , 1978, 91, 217-222.	0.6	41
14	Durum wheat quality I: some physical and chemical characteristics of Syrian durum wheat genotypes. <i>International Journal of Food Science and Technology</i> , 2006, 41, 22-29.	1.3	39
15	Frost Hardiness Expression and Characterisation in Wheat at Ear Emergence. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 66-74.	1.7	36
16	Osmoregulators proline and glycine betaine counteract salinity stress in canola. <i>Agronomy for Sustainable Development</i> , 2012, 32, 747-754.	2.2	32
17	Identification and expression analysis of CBF/DREB1 and COR15 genes in mutants of <i>Brassica oleracea</i> var. botrytis with enhanced proline production and frost resistance. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1323-1332.	2.8	29
18	Effect of Boron Foliar Application on Reproductive Growth of Sunflower (<i>Helianthus annuus</i> L.). <i>International Journal of Agronomy</i> , 2011, 2011, 1-5.	0.5	29

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19	Molybdenum (Mo) increases endogenous phenolics, proline and photosynthetic pigments and the phytoremediation potential of the industrially important plant <i>Ricinus communis</i> L. for removal of cadmium from contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20408-20430.	2.7	28
20	Evaluation of Abiotic Stress Resistance in Mutated Populations of Cauliflower (<i>Brassica oleracea</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	27
21	A chamber for the simulation of radiation freezing of plants. <i>Annals of Applied Biology</i> , 1998, 133, 111-121.	1.3	26
22	Explaining curd and spear geometry in broccoli, cauliflower and 'romanesco': quantitative variation in activity of primary meristems. <i>Planta</i> , 1998, 206, 34-43.	1.6	25
23	Encapsulation of cauliflower (<i>Brassica oleracea</i> var botrytis) microshoots as artificial seeds and their conversion and growth in commercial substrates. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 243-250.	1.2	25
24	Germination of Primed Seed under NaCl Stress in Wheat. <i>ISRN Botany</i> , 2012, 2012, 1-5.	0.8	24
25	Compost increases yield and decreases take-all severity in winter wheat. <i>Field Crops Research</i> , 2005, 94, 176-188.	2.3	22
26	The effect of using PPM (plant preservative mixture) on the development of cauliflower microshoots and the quality of artificial seed produced. <i>Scientia Horticulturae</i> , 2012, 141, 47-52.	1.7	22
27	A Novel New Light Recipe Significantly Increases the Growth and Yield of Sweet Basil (<i>Ocimum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.3	22
28	The Effect of Exogenous Applications of Salicylic Acid on Drought Tolerance and Up-Regulation of the Drought Response Regulon of Iraqi Wheat. <i>Journal of Crop Science and Biotechnology</i> , 2019, 22, 37-45.	0.7	19
29	Using Infrared Thermography to Study Freezing in Plants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 1648-1651.	0.5	19
30	The effect of temperature on cold hardening of <i>Lolium perenne</i> seedlings. <i>Journal of Agricultural Science</i> , 1980, 95, 77-81.	0.6	18
31	Rapid mass production of cauliflower propagules from fractionated and graded curd. <i>Plant Science</i> , 1995, 107, 229-235.	1.7	18
32	A cost effective protocol for in vitro mass propagation of cauliflower. <i>Plant Science</i> , 2001, 160, 1015-1024.	1.7	18
33	Exogenous application of molybdenum affects the expression of CBF14 and the development of frost tolerance in wheat. <i>Plant Physiology and Biochemistry</i> , 2013, 63, 77-81.	2.8	18
34	Photosynthetic and biochemical characterization of in vitro-derived African violet (<i>Saintpaulia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	18
35	The Growth and Development of Sweet Basil (<i>Ocimum basilicum</i>) and Bush Basil (<i>Ocimum minimum</i>) Grown under Three Light Regimes in a Controlled Environment. <i>Agronomy</i> , 2019, 9, 743.	1.3	17
36	Ice Nucleation, Propagation, and Deep Supercooling in Woody Plants. <i>Journal of Crop Improvement</i> , 2004, 10, 5-16.	0.9	16

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37	Molybdenum application enhances antioxidant enzyme activity and COR15a protein expression under cold stress in wheat. <i>Journal of Plant Interactions</i> , 2016, 11, 5-10.	1.0	16
38	Augmented Phytoextraction of Lead (Pb ²⁺)-Polluted Soils: A Comparative Study of the Effectiveness of Plant Growth Regulators, EDTA, and Plant Growth Promoting Rhizobacteria. <i>Bioremediation Journal</i> , 2013, 17, 124-130.	1.0	14
39	The effect of molybdenum on the molecular control of cold tolerance in cauliflower (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.2	13
40	Growth, lipid peroxidation, organic solutes, and anti-oxidative enzyme content in drought-stressed date palm embryogenic callus suspension induced by polyethylene glycol. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 133-141.	0.9	13
41	Positive effects of elevated CO ₂ and its interaction with nitrogen on safflower physiology and growth. <i>Agronomy for Sustainable Development</i> , 2013, 33, 497-505.	2.2	12
42	Upregulation of CBF/DREB1 and cold tolerance in artificial seeds of cauliflower (<i>Brassica oleracea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	12
43	Comparative metagenomics approaches to characterize the soil fungal communities of western coastal region, Saudi Arabia. <i>PLoS ONE</i> , 2017, 12, e0185096.	1.1	12
44	The Impact of LED Lighting Spectra in a Plant Factory on the Growth, Physiological Traits and Essential Oil Content of Lemon Balm (<i>Melissa officinalis</i>). <i>Plants</i> , 2022, 11, 342.	1.6	12
45	Chemically Induced Mutants of <i>Brassica oleracea</i> var. <i>botrytis</i> Maintained Stable Resistance to Drought and Salt Stress after Regeneration and Micropropagation. <i>American Journal of Plant Sciences</i> , 2013, 04, 498-507.	0.3	11
46	Simulated effects of climate change on the production pattern of winter cauliflower in the UK. <i>Scientia Horticulturae</i> , 2004, 101, 359-372.	1.7	10
47	Effect of photosynthetic photon flux density on growth, photosynthetic competence and antioxidant enzymes activity during ex vitro acclimatization of <i>Dieffenbachia</i> cultivars. <i>Plant Growth Regulation</i> , 2016, 79, 29-37.	1.8	10
48	Anther culture of kale (<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef.). <i>Plant Cell, Tissue and Organ Culture</i> , 1993, 33, 303-313.	1.2	9
49	Improving fruit quality in tomato (<i>Lycopersicon esculentum</i> Mill) under heat stress by silencing the <i>vis 1</i> gene using small interfering RNA technology. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 153-166.	1.2	8
50	The pattern of frost hardening of leaves of winter cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	7
51	Effect of temperature on cold dehardening of <i>Lolium perenne</i> L. seedlings. <i>Journal of Agricultural Science</i> , 1981, 96, 55-59.	0.6	6
52	Micropropagation of virus-free plants of Saudi fig (<i>Ficus carica</i> L.) and their identification through enzyme-linked immunosorbent assay methods. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018, 54, 626-636.	0.9	6
53	Thermal insulation of the winter cauliflower curd by wrapper-leaves. <i>Annals of Applied Biology</i> , 1990, 117, 421-430.	1.3	5
54	The freezing characteristics of cauliflower curd. <i>Annals of Applied Biology</i> , 1994, 125, 179-188.	1.3	5

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55	The Effect of Elevated CO ₂ and Drought on the Vegetative Growth and Development of Durum Wheat (<i>Triticum durum</i> Desf.) Cultivars. <i>Cereal Research Communications</i> , 2004, 32, 225-232.	0.8	5
56	The Impact of Light Spectrum and Intensity on the Growth, Physiology, and Antioxidant Activity of Lettuce (<i>Lactuca sativa</i> L.). <i>Plants</i> , 2021, 10, 2162.	1.6	5
57	Propagation and characterisation of the freezing tolerance of a novel South African ornamental (<i>Cineraria saxifraga</i>). <i>Annals of Applied Biology</i> , 2002, 140, 285-289.	1.3	4
58	An analysis of the development of cauliflower seed as a model to improve the molecular mechanism of abiotic stress tolerance in cauliflower artificial seeds. <i>Plant Physiology and Biochemistry</i> , 2017, 116, 91-105.	2.8	3
59	Foliar microstructure and histochemical analysis of the lavender tree (<i>Heteropyxis natalensis</i> Harv.). <i>Micron</i> , 2022, 153, 103184.	1.1	3
60	Phylogenetic and Expression Studies of Small GTP-Binding Proteins in <i>Solanum lycopersicum</i> Super Strain B. <i>Plants</i> , 2022, 11, 641.	1.6	3
61	Plant tissue culture using Brassico seedlings. <i>Journal of Biological Education</i> , 1995, 29, 53-59.	0.8	2
62	Metagenomic analysis of fungal taxa inhabiting Mecca region, Saudi Arabia. <i>Genomics Data</i> , 2016, 9, 126-127.	1.3	2
63	In Vitro Propagation of Cauliflower Using Curd Microexplants. <i>Methods in Molecular Biology</i> , 2012, 11013, 329-339.	0.4	1
64	Genotypic resistance to brown heart incidence in swede parent lines and F1 hybrids and the influence of applied boron. <i>Journal of Agricultural Science</i> , 2015, 153, 195-204.	0.6	1
65	Synchronized Seed Germination and Seedling Growth of Black Cumin. <i>HortTechnology</i> , 2022, 32, 182-190.	0.5	1
66	The exceptional weather of April 2021. <i>Weather</i> , 2022, 77, 116-122.	0.6	0