

Max Jones

List of Publications by Year in descending order

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37
papers

978
citations

430874

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h-index

501196

28
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41
all docs

41
docs citations

41
times ranked

755
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of artificial intelligence models and optimization algorithms in plant cell and tissue culture. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9449-9485.	3.6	108
2	Inhibition of Phenylpropanoid Biosynthesis in <i>Artemisia annua</i> L.: A Novel Approach to Reduce Oxidative Browning in Plant Tissue Culture. <i>PLoS ONE</i> , 2013, 8, e76802.	2.5	86
3	Recent advances in cannabis biotechnology. <i>Industrial Crops and Products</i> , 2020, 158, 113026.	5.2	59
4	Advances and Perspectives in Tissue Culture and Genetic Engineering of Cannabis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5671.	4.1	50
5	Application of 3D printing to prototype and develop novel plant tissue culture systems. <i>Plant Methods</i> , 2017, 13, 6.	4.3	40
6	In vitro conservation of American elm (<i>Ulmus americana</i>): potential role of auxin metabolism in sustained plant proliferation. <i>Canadian Journal of Forest Research</i> , 2012, 42, 686-697.	1.7	38
7	Modeling and optimizing callus growth and development in <i>Cannabis sativa</i> using random forest and support vector machine in combination with a genetic algorithm. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 5201-5212.	3.6	37
8	Modeling and optimizing in vitro seed germination of industrial hemp (<i>Cannabis sativa</i> L.). <i>Industrial Crops and Products</i> , 2021, 170, 113753.	5.2	35
9	Isolation and Identification of Mosquito (<i>Aedes aegypti</i>) Biting Deterrent Fatty Acids from Male Inflorescences of Breadfruit (<i>Artocarpus altilis</i> (Parkinson) Fosberg). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3867-3873.	5.2	34
10	Elicitation of secondary metabolism in <i>Echinacea purpurea</i> L. by gibberellic acid and triazoles. <i>Engineering in Life Sciences</i> , 2009, 9, 205-210.	3.6	32
11	Machine Learning-Mediated Development and Optimization of Disinfection Protocol and Scarification Method for Improved In Vitro Germination of Cannabis Seeds. <i>Plants</i> , 2021, 10, 2397.	3.5	30
12	DKW basal salts improve micropropagation and callogenesis compared with MS basal salts in multiple commercial cultivars of <i>Cannabis sativa</i> . <i>Botany</i> , 2021, 99, 269-279.	1.0	29
13	Comparative Analysis of Machine Learning and Evolutionary Optimization Algorithms for Precision Micropropagation of <i>Cannabis sativa</i> : Prediction and Validation of in vitro Shoot Growth and Development Based on the Optimization of Light and Carbohydrate Sources. <i>Frontiers in Plant Science</i> , 2021, 12, 757869.	3.6	28
14	Synergizing Off-Target Predictions for In Silico Insights of CENH3 Knockout in Cannabis through CRISPR/Cas. <i>Molecules</i> , 2021, 26, 2053.	3.8	27
15	Machine learning: its challenges and opportunities in plant system biology. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3507-3530.	3.6	26
16	Inhibition of phenylpropanoid biosynthesis increases cell wall digestibility, protoplast isolation, and facilitates sustained cell division in American elm (<i>Ulmus americana</i>). <i>BMC Plant Biology</i> , 2012, 12, 75.	3.6	24
17	Optimisation of Nitrogen, Phosphorus, and Potassium for Soilless Production of <i>Cannabis sativa</i> in the Flowering Stage Using Response Surface Analysis. <i>Frontiers in Plant Science</i> , 2021, 12, 764103.	3.6	24
18	Identification of pro-vitamin A carotenoid-rich cultivars of breadfruit (<i>Artocarpus</i> , Moraceae). <i>Journal of Food Composition and Analysis</i> , 2013, 31, 51-61.	3.9	23

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19	Regeneration of shoots from immature and mature inflorescences of <i>Cannabis sativa</i> . Canadian Journal of Plant Science, 2019, 99, 556-559.	0.9	22
20	Protoplast-to-plant regeneration of American elm (<i>Ulmus americana</i>). Protoplasma, 2015, 252, 925-931.	2.1	20
21	Isolation and Identification of Mosquito (<i>Aedes aegypti</i>) Biting-Deterrent Compounds from the Native American Ethnobotanical Remedy Plant <i>Hierochloa odorata</i> (Sweetgrass). Journal of Agricultural and Food Chemistry, 2016, 64, 8352-8358.	5.2	19
22	Quantification of pyrrolizidine alkaloids in North American plants and honey by LC-MS: single laboratory validation. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 1-7.	2.3	18
23	In vitro propagation of cherry birch (<i>Betula lenta</i> L.). Canadian Journal of Plant Science, 0, , 571-578.	0.9	17
24	Photoperiodic Response of In Vitro Cannabis sativa Plants. Hortscience: A Publication of the American Society for Horticultural Science, 2021, 56, 108-113.	1.0	17
25	High light intensity stress as the limiting factor in micropropagation of sugar maple (<i>Acer saccharum</i>) Tj ETQq1 1 0,784314 rBT /Ove	2.3	16
26	Accumulation of somatic mutations leads to genetic mosaicism in cannabis. Plant Genome, 2022, 15, e20169.	2.8	16
27	Cannabis, the multibillion dollar plant that no genebank wanted. Genome, 2022, 65, 1-5.	2.0	14
28	Improved in vitro rooting in liquid culture using a two piece scaffold system. Engineering in Life Sciences, 2020, 20, 126-132.	3.6	12
29	A Noninvasive Gas Exchange Method to Test and Model Photosynthetic Proficiency and Growth Rates of In Vitro Plant Cultures: Preliminary Implication for Cannabis sativa L.. Biology, 2022, 11, 729.	2.8	11
30	Galanthamine, an anti-cholinesterase drug, effects plant growth and development in <i>Artemisia tridentata</i> Nutt. via modulation of auxin and neurotransmitter signaling. Plant Signaling and Behavior, 2014, 9, e28645.	2.4	10
31	Early physiological and biochemical responses of soybean to neighbouring weeds under resource-independent competition. Weed Research, 2019, 59, 288-299.	1.7	10
32	Establishment of invasive and non-invasive reporter systems to investigate American elm-Ophiostoma novo-ulmi interactions. Fungal Genetics and Biology, 2014, 71, 32-41.	2.1	9
33	Flower power: floral reversion as a viable alternative to nodal micropropagation in Cannabis sativa.. In Vitro Cellular and Developmental Biology - Plant, 0, , 1.	2.1	6
34	Indoleamines and phenylpropanoids modify development in the bryophyte <i>Plagiomnium cuspidatum</i> (Hedw.) T.J. Kop. In Vitro Cellular and Developmental Biology - Plant, 2018, 54, 454-464.	2.1	5
35	Isolation and identification of mosquito biting deterrents from the North American mosquito repelling folk remedy plant, <i>Matricaria discoidea</i> DC.. PLoS ONE, 2018, 13, e0206594.	2.5	5
36	Investigating the roles of phenylpropanoids in the growth and development of <i>Zea mays</i> L.. In Vitro Cellular and Developmental Biology - Plant, 2013, 49, 765-772.	2.1	4

#	ARTICLE	IF	CITATIONS
37	Improving callus regeneration of <i>Miscanthus giganteus</i> J.M.Greef, Deuter ex Hodk., Renvoize ^{â€™} M161 ^{â€™} callus by inhibition of the phenylpropanoid biosynthetic pathway. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 109-120.	2.1	4