

Michael James Van Oosten

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

1,648
citations

14
h-index

22
g-index

22
ext. papers

2,065
ext. citations

5.4
avg, IF

4.73
L-index

#	Paper	IF	Citations
22	The Salt Overly Sensitive (SOS) pathway: established and emerging roles. <i>Molecular Plant</i> , 2013 , 6, 275-86	4.4	359
21	The role of biostimulants and bioeffectors as alleviators of abiotic stress in crop plants. <i>Chemical and Biological Technologies in Agriculture</i> , 2017 , 4,	4.4	297
20	Quantitative phosphoproteomics identifies SnRK2 protein kinase substrates and reveals the effectors of abscisic acid action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11205-10	11.5	288
19	The SUMO E3 ligase, AtSIZ1, regulates flowering by controlling a salicylic acid-mediated floral promotion pathway and through affects on FLC chromatin structure. <i>Plant Journal</i> , 2008 , 53, 530-40	6.9	186
18	Functional biology of halophytes in the phytoremediation of heavy metal contaminated soils. <i>Environmental and Experimental Botany</i> , 2015 , 111, 135-146	5.9	134
17	Transcriptomic Changes Drive Physiological Responses to Progressive Drought Stress and Rehydration in Tomato. <i>Frontiers in Plant Science</i> , 2016 , 7, 371	6.2	67
16	Root inoculation with <i>Azotobacter chroococcum</i> 76A enhances tomato plants adaptation to salt stress under low N conditions. <i>BMC Plant Biology</i> , 2018 , 18, 205	5.3	50
15	Ascophyllum nodosum-based algal extracts act as enhancers of growth, fruit quality, and adaptation to stress in salinized tomato plants. <i>Journal of Applied Phycology</i> , 2018 , 30, 2675-2686	3.2	47
14	Improving Plant Water Use Efficiency through Molecular Genetics. <i>Horticulturae</i> , 2017 , 3, 31	2.5	45
13	The Arabidopsis thaliana mutant air1 implicates SOS3 in the regulation of anthocyanins under salt stress. <i>Plant Molecular Biology</i> , 2013 , 83, 405-15	4.6	37
12	The Role of the Epigenome in Gene Expression Control and the Epimark Changes in Response to the Environment. <i>Critical Reviews in Plant Sciences</i> , 2014 , 33, 64-87	5.6	26
11	Leaf sodium accumulation facilitates salt stress adaptation and preserves photosystem functionality in salt stressed <i>Ocimum basilicum</i> . <i>Environmental and Experimental Botany</i> , 2016 , 130, 162-173	5.9	20
10	A Benzimidazole Proton Pump Inhibitor Increases Growth and Tolerance to Salt Stress in Tomato. <i>Frontiers in Plant Science</i> , 2017 , 8, 1220	6.2	18
9	Biostimulant Activity of <i>Azotobacter chroococcum</i> and <i>Trichoderma harzianum</i> in Durum Wheat under Water and Nitrogen Deficiency. <i>Agronomy</i> , 2021 , 11, 380	3.6	16
8	Omeprazole Treatment Enhances Nitrogen Use Efficiency Through Increased Nitrogen Uptake and Assimilation in Corn. <i>Frontiers in Plant Science</i> , 2019 , 10, 1507	6.2	12
7	Genetics of Drought Stress Tolerance in Crop Plants 2016 , 39-70		11
6	Salinity and ABA Seed Responses in Pepper: Expression and Interaction of ABA Core Signaling Components. <i>Frontiers in Plant Science</i> , 2019 , 10, 304	6.2	10

5	Asg1 is a stress-inducible gene which increases stomatal resistance in salt stressed potato. <i>Journal of Plant Physiology</i> , 2012 , 169, 1849-57	3.6	10
4	Based Extracts Counteract Salinity Stress in Tomato by Remodeling Leaf Nitrogen Metabolism. <i>Plants</i> , 2021 , 10,	4.5	7
3	Omeprazole treatment elicits contrasting responses to salt stress in two basil genotypes. <i>Annals of Applied Biology</i> , 2019 , 174, 329-338	2.6	5
2	Large-scale de novo transcriptome analysis reveals specific gene expression and novel simple sequence repeats markers in salinized roots of the euhalophyte <i>Salicornia europaea</i> . <i>Acta Physiologiae Plantarum</i> , 2018 , 40, 1	2.6	2
1	Epigenetics Connects the Genome to Its Environment 2014 , 69-142		1