Michael James Van Oosten

List of Publications by Year in Descending Order

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	Based Extracts Counteract Salinity Stress in Tomato by Remodeling Leaf Nitrogen Metabolism. *Plants*, **2021**, 10,	4.5	7
21	Biostimulant Activity of Azotobacter chroococcum and Trichoderma harzianum in Durum Wheat under Water and Nitrogen Deficiency. *Agronomy*, **2021**, 11, 380	3.6	16
20	Salinity and ABA Seed Responses in Pepper: Expression and Interaction of ABA Core Signaling Components. *Frontiers in Plant Science*, **2019**, 10, 304	6.2	10
19	Omeprazole Treatment Enhances Nitrogen Use Efficiency Through Increased Nitrogen Uptake and Assimilation in Corn. *Frontiers in Plant Science*, **2019**, 10, 1507	6.2	12
18	Omeprazole treatment elicits contrasting responses to salt stress in two basil genotypes. *Annals of Applied Biology*, **2019**, 174, 329-338	2.6	5
17	Ascophyllum nodosum-based algal extracts act as enhancers of growth, fruit quality, and adaptation to stress in salinized tomato plants. *Journal of Applied Phycology*, **2018**, 30, 2675-2686	3.2	47
16	Large-scale de novo transcriptome analysis reveals specific gene expression and novel simple sequence repeats markers in salinized roots of the euhalophyte Salicornia europaea. *Acta Physiologiae Plantarum*, **2018**, 40, 1	2.6	2
15	Root inoculation with Azotobacter chroococcum 76A enhances tomato plants adaptation to salt stress under low N conditions. *BMC Plant Biology*, **2018**, 18, 205	5.3	50
14	The role of biostimulants and bioeffectors as alleviators of abiotic stress in crop plants. *Chemical and Biological Technologies in Agriculture*, **2017**, 4,	4.4	297
13	A Benzimidazole Proton Pump Inhibitor Increases Growth and Tolerance to Salt Stress in Tomato. *Frontiers in Plant Science*, **2017**, 8, 1220	6.2	18
12	Improving Plant Water Use Efficiency through Molecular Genetics. *Horticulturae*, **2017**, 3, 31	2.5	45
11	Genetics of Drought Stress Tolerance in Crop Plants **2016**, 39-70		11
10	Leaf sodium accumulation facilitates salt stress adaptation and preserves photosystem functionality in salt stressed Ocimum basilicum. *Environmental and Experimental Botany*, **2016**, 130, 162-173	5.9	20
9	Transcriptomic Changes Drive Physiological Responses to Progressive Drought Stress and Rehydration in Tomato. *Frontiers in Plant Science*, **2016**, 7, 371	6.2	67
8	Functional biology of halophytes in the phytoremediation of heavy metal contaminated soils. *Environmental and Experimental Botany*, **2015**, 111, 135-146	5.9	134
7	The Role of the Epigenome in Gene Expression Control and the Epimark Changes in Response to the Environment. *Critical Reviews in Plant Sciences*, **2014**, 33, 64-87	5.6	26
6	Epigenetics Connects the Genome to Its Environment **2014**, 69-142		1

5	The Arabidopsis thaliana mutant air1 implicates SOS3 in the regulation of anthocyanins under salt stress. *Plant Molecular Biology*, **2013**, 83, 405-15	4.6	37
4	The Salt Overly Sensitive (SOS) pathway: established and emerging roles. *Molecular Plant*, **2013**, 6, 275-86	4.4	359
3	Quantitative phosphoproteomics identifies SnRK2 protein kinase substrates and reveals the effectors of abscisic acid action. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11205-10	11.5	288
2	Asg1 is a stress-inducible gene which increases stomatal resistance in salt stressed potato. *Journal of Plant Physiology*, **2012**, 169, 1849-57	3.6	10
1	The SUMO E3 ligase, AtSIZ1, regulates flowering by controlling a salicylic acid-mediated floral promotion pathway and through affects on FLC chromatin structure. *Plant Journal*, **2008**, 53, 530-40	6.9	186