Michael James Van Oosten

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5002917/publications.pdf

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21 papers	2,408 citations	471371 17 h-index	752573 20 g-index
22 all docs	22 docs citations	22 times ranked	3816 citing authors

#	Article	IF	Citations
1	The Salt Overly Sensitive (SOS) Pathway: Established and Emerging Roles. Molecular Plant, 2013, 6, 275-286.	3.9	528
2	The role of biostimulants and bioeffectors as alleviators of abiotic stress in crop plants. Chemical and Biological Technologies in Agriculture, 2017, 4, .	1.9	494
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, 11205-11210.	3.3	394
4	The SUMO E3 ligase, AtSIZ1, regulates flowering by controlling a salicylic acidâ€mediated floral promotion pathway and through affects on FLC chromatin structure. Plant Journal, 2008, 53, 530-540.	2.8	216
5	Functional biology of halophytes in the phytoremediation of heavy metal contaminated soils. Environmental and Experimental Botany, 2015, 111, 135-146.	2.0	172
6	Transcriptomic Changes Drive Physiological Responses to Progressive Drought Stress and Rehydration in Tomato. Frontiers in Plant Science, 2016, 7, 371.	1.7	93
7	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.	1.5	82
8	Root inoculation with Azotobacter chroococcum 76A enhances tomato plants adaptation to salt stress under low N conditions. BMC Plant Biology, 2018, 18, 205.	1.6	78
9	Improving Plant Water Use Efficiency through Molecular Genetics. Horticulturae, 2017, 3, 31.	1.2	73
10	The Arabidopsis thaliana mutant air1 implicates SOS3 in the regulation of anthocyanins under salt stress. Plant Molecular Biology, 2013, 83, 405-415.	2.0	47
11	A Benzimidazole Proton Pump Inhibitor Increases Growth and Tolerance to Salt Stress in Tomato. Frontiers in Plant Science, 2017, 8, 1220.	1.7	35
12	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.	2.7	31
13	Leaf sodium accumulation facilitates salt stress adaptation and preserves photosystem functionality in salt stressed Ocimum basilicum. Environmental and Experimental Botany, 2016, 130, 162-173.	2.0	26
14	Omeprazole Treatment Enhances Nitrogen Use Efficiency Through Increased Nitrogen Uptake and Assimilation in Corn. Frontiers in Plant Science, 2019, 10, 1507.	1.7	26
15	Biostimulant Activity of Azotobacter chroococcum and Trichoderma harzianum in Durum Wheat under Water and Nitrogen Deficiency. Agronomy, 2021, 11, 380.	1.3	25
16	Asg1 is a stress-inducible gene which increases stomatal resistance in salt stressed potato. Journal of Plant Physiology, 2012, 169, 1849-1857.	1.6	22
17	Salinity and ABA Seed Responses in Pepper: Expression and Interaction of ABA Core Signaling Components. Frontiers in Plant Science, 2019, 10, 304.	1.7	20
18	Ascophyllum nodosum Based Extracts Counteract Salinity Stress in Tomato by Remodeling Leaf Nitrogen Metabolism. Plants, 2021, 10, 1044.	1.6	19

#	Article	IF	Citations
19	Genetics of Drought Stress Tolerance in Crop Plants. , 2016, , 39-70.		16
20	Omeprazole treatment elicits contrasting responses to salt stress in two basil genotypes. Annals of Applied Biology, 2019, 174, 329-338.	1.3	8
21	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.	1.0	2