

Melanie J Correll

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

971
citations

516710

16
h-index

642732

23
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26
all docs

26
docs citations

26
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytochromes A and B Mediate Red-Light-Induced Positive Phototropism in Roots. <i>Plant Physiology</i> , 2003, 131, 1411-1417.	4.8	143
2	The Roles of Phytochromes in Elongation and Gravitropism of Roots. <i>Plant and Cell Physiology</i> , 2005, 46, 317-323.	3.1	131
3	Interactions Between Gravitropism and Phototropism in Plants. <i>Journal of Plant Growth Regulation</i> , 2002, 21, 89-101.	5.1	104
4	Transcriptome analyses of <i>Arabidopsis thaliana</i> seedlings grown in space: implications for gravity-responsive genes. <i>Planta</i> , 2013, 238, 519-533.	3.2	100
5	A novel phototropic response to red light is revealed in microgravity. <i>New Phytologist</i> , 2010, 186, 648-656.	7.3	69
6	Comparative transcriptomics indicate changes in cell wall organization and stress response in seedlings during spaceflight. <i>American Journal of Botany</i> , 2017, 104, 1219-1231.	1.7	64
7	Gene profiling of the red light signalling pathways in roots. <i>Journal of Experimental Botany</i> , 2006, 57, 3217-3229.	4.8	48
8	Simplified acoustic window mist bioreactor. <i>Biotechnology Letters</i> , 1997, 11, 155-158.	0.5	44
9	Phytochromes play a role in phototropism and gravitropism in <i>Arabidopsis</i> roots. <i>Advances in Space Research</i> , 2003, 31, 2203-2210.	2.6	39
10	Operations of a spaceflight experiment to investigate plant tropisms. <i>Advances in Space Research</i> , 2009, 44, 879-886.	2.6	36
11	A Predictive Model for Time-to-Flowering in the Common Bean Based on QTL and Environmental Variables. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3901-3912.	1.8	25
12	Next generation crop models: A modular approach to model early vegetative and reproductive development of the common bean (<i>Phaseolus vulgaris</i> L). <i>Agricultural Systems</i> , 2017, 155, 225-239.	6.1	24
13	A dynamic model with QTL covariables for predicting flowering time of common bean (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 4.1 23	4.1	23
14	Glycerol-Based Dendrimer Nanocomposite Film as a Tunable pH-Sensor for Food Packaging. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23268-23281.	8.0	23
15	Ground-based studies of tropisms in hardware developed for the European Modular Cultivation System (EMCS). <i>Advances in Space Research</i> , 2005, 36, 1203-1210.	2.6	22
16	Biocompatibility studies in preparation for a spaceflight experiment on plant tropisms (TROPI). <i>Advances in Space Research</i> , 2007, 39, 1154-1160.	2.6	20
17	Improvements in the re-flight of spaceflight experiments on plant tropisms. <i>Advances in Space Research</i> , 2011, 47, 545-552.	2.6	12
18	Reliability of Genotype-Specific Parameter Estimation for Crop Models: Insights from a Markov Chain Monte-Carlo Estimation Approach. <i>Transactions of the ASABE</i> , 2017, 60, 1699-1712.	1.1	10

#	ARTICLE	IF	CITATIONS
19	Nanocomposite of Graphene Oxide Encapsulated in Polymethylmethacrylate (PMMA): Pre-Modification, Synthesis, and Latex Stability. <i>Journal of Composites Science</i> , 2020, 4, 118.	3.0	8
20	Incorporating a dynamic gene-based process module into a crop simulation model. <i>In Silico Plants</i> , 2021, 3, .	1.9	8
21	Development of a QTL-environment-based predictive model for node addition rate in common bean. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1065-1079.	3.6	7
22	Extraction and labeling methods for microarrays using small amounts of plant tissue. <i>Physiologia Plantarum</i> , 2009, 135, 229-236.	5.2	6
23	Real-Time and Rapid Food Quality Monitoring Using Smart Sensory Films with Image Analysis and Machine Learning. <i>ACS Food Science & Technology</i> , 2022, 2, 1123-1134.	2.7	4