Melanie J Correll

List of Publications by Year
in descending order

23 papers	971 citations	516710 16 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	822 citing authors

#	Article	IF	Citations
1	Real-Time and Rapid Food Quality Monitoring Using Smart Sensory Films with Image Analysis and Machine Learning. ACS Food Science & Technology, 2022, 2, 1123-1134.	2.7	4
2	Glycerol-Based Dendrimer Nanocomposite Film as a Tunable pH-Sensor for Food Packaging. ACS Applied Materials & Interfaces, 2021, 13, 23268-23281.	8.0	23
3	Incorporating a dynamic gene-based process module into a crop simulation model. In Silico Plants, 2021, 3, .	1.9	8
4	Nanocomposite of Graphene Oxide Encapsulated in Polymethylmethacrylate (PMMA): Pre-Modification, Synthesis, and Latex Stability. Journal of Composites Science, 2020, 4, 118.	3.0	8
5	A dynamic model with QTL covariables for predicting flowering time of common bean (Phaseolus) Tj ETQq1 1 0.784314 rgBT /Overlock	4.1	23
6	Next generation crop models: A modular approach to model early vegetative and reproductive development of the common bean (Phaseolus vulgaris L). Agricultural Systems, 2017, 155, 225-239.	6.1	24
7	Development of a QTL-environment-based predictive model for node addition rate in common bean. Theoretical and Applied Genetics, 2017, 130, 1065-1079.	3.6	7
8	A Predictive Model for Time-to-Flowering in the Common Bean Based on QTL and Environmental Variables. G3: Genes, Genomes, Genetics, 2017, 7, 3901-3912.	1.8	25
9	Comparative transcriptomics indicate changes in cell wall organization and stress response in seedlings during spaceflight. American Journal of Botany, 2017, 104, 1219-1231.	1.7	64
10	Reliability of Genotype-Specific Parameter Estimation for Crop Models: Insights from a Markov Chain Monte-Carlo Estimation Approach. Transactions of the ASABE, 2017, 60, 1699-1712.	1.1	10
11	Transcriptome analyses of Arabidopsis thaliana seedlings grown in space: implications for gravity-responsive genes. Planta, 2013, 238, 519-533.	3.2	100
12	Improvements in the re-flight of spaceflight experiments on plant tropisms. Advances in Space Research, 2011, 47, 545-552.	2.6	12
13	A novel phototropic response to red light is revealed in microgravity. New Phytologist, 2010, 186, 648-656.	7.3	69
14	Extraction and labeling methods for microarrays using small amounts of plant tissue. Physiologia Plantarum, 2009, 135, 229-236.	5.2	6
15	Operations of a spaceflight experiment to investigate plant tropisms. Advances in Space Research, 2009, 44, 879-886.	2.6	36
16	Biocompatibility studies in preparation for a spaceflight experiment on plant tropisms (TROPI). Advances in Space Research, 2007, 39, 1154-1160.	2.6	20
17	Gene profiling of the red light signalling pathways in roots. Journal of Experimental Botany, 2006, 57, 3217-3229.	4.8	48
18	Ground-based studies of tropisms in hardware developed for the European Modular Cultivation System (EMCS). Advances in Space Research, 2005, 36, 1203-1210.	2.6	22

#	Article	IF	Citations
19	The Roles of Phytochromes in Elongation and Gravitropism of Roots. Plant and Cell Physiology, 2005, 46, 317-323.	3.1	131
20	Phytochromes play a role in phototropism and gravitropism in Arabidopsis roots. Advances in Space Research, 2003, 31, 2203-2210.	2.6	39
21	Phytochromes A and B Mediate Red-Light-Induced Positive Phototropism in Roots. Plant Physiology, 2003, 131, 1411-1417.	4.8	143
22	Interactions Between Gravitropism and Phototropism in Plants. Journal of Plant Growth Regulation, 2002, 21, 89-101.	5.1	104
23	Simplified acoustic window mist bioreactor. Biotechnology Letters, 1997, 11, 155-158.	0.5	44