Colleen J Doherty

List of Publications by Year
in descending order

29 papers	3,046 citations	567281 15 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	4533 citing authors

#	Article	IF	Citations
1	Evaluating the Effects of the Circadian Clock and Time of Day on Plant Gravitropic Responses. Methods in Molecular Biology, 2022, 2368, 301-319.	0.9	1
2	The intersection between circadian and heat-responsive regulatory networks controls plant responses to increasing temperatures. Biochemical Society Transactions, 2022, 50, 1151-1165.	3.4	3
3	Quantification of gray mold infection in lettuce using a bispectral imaging system under laboratory conditions. Plant Direct, 2021, 5, e00317.	1.9	1
4	Genome-wide association study and gene network analyses reveal potential candidate genes for high night temperature tolerance in rice. Scientific Reports, 2021, 11, 6747.	3.3	10
5	Warm nights disrupt transcriptome rhythms in field-grown rice panicles. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
6	Uncovering Transcriptional Responses to Fractional Gravity in Arabidopsis Roots. Life, 2021, 11, 1010.	2.4	10
7	The Circadian-clock Regulates the Arabidopsis Gravitropic Response. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2021, 9, 171-186.	0.8	3
8	Current status of the multinational Arabidopsis community. Plant Direct, 2020, 4, e00248.	1.9	13
9	A universal method for high-quality RNA extraction from plant tissues rich in starch, proteins and fiber. Scientific Reports, 2020, 10, 16887.	3.3	44
10	Only a matter of time: the impact of daily and seasonal rhythms on phytochemicals. Phytochemistry Reviews, 2019, 18, 1409-1433.	6.5	37
11	Novel transcriptional responses to heat revealed by turning up the heat at night. Plant Molecular Biology, 2019, 101, 1-19.	3.9	36
12	Directions for research and training in plant omics: Big Questions and Big Data. Plant Direct, 2019, 3, e00133.	1.9	47
13	Analysis of differential gene expression and alternative splicing is significantly influenced by choice of reference genome. Rna, 2019, 25, 669-684.	3.5	8
14	New candidate loci and marker genes on chromosome 7 for improved chilling tolerance in sorghum. Journal of Experimental Botany, 2019, 70, 3357-3371.	4.8	31
15	Arabidopsis bioinformatics resources: The current state, challenges, and priorities for the future. Plant Direct, 2019, 3, e00109.	1.9	14
16	Neural Net Classification Combined With Movement Analysis to Evaluate Setaria viridis as a Model System for Time of Day of Anther Appearance. Frontiers in Plant Science, 2018, 9, 1585.	3.6	4
17	Plant Stress Tolerance Requires Auxin-Sensitive Aux/IAA Transcriptional Repressors. Current Biology, 2017, 27, 437-444.	3.9	148
18	The Next Generation of Training for Arabidopsis Researchers: Bioinformatics and Quantitative Biology. Plant Physiology, 2017, 175, 1499-1509.	4.8	11

#	Article	IF	Citations
19	Improving Gene Regulatory Network Inference by Incorporating Rates of Transcriptional Changes. Scientific Reports, 2017, 7, 17244.	3.3	16
20	Regulation of the Arabidopsis CBF regulon by a complex lowâ€temperature regulatory network. Plant Journal, 2015, 82, 193-207.	5.7	413
21	Genome-wide identification of CCA1 targets uncovers an expanded clock network in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4802-10.	7.1	230
22	A Genome-Scale Resource for the Functional Characterization of Arabidopsis Transcription Factors. Cell Reports, 2014, 8, 622-632.	6.4	164
23	CIRCADIAN CLOCK-ASSOCIATED 1 regulates ROS homeostasis and oxidative stress responses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17129-17134.	7.1	336
24	Modeling Transcriptome Dynamics in a Complex World. Cell, 2012, 151, 1161-1162.	28.9	15
25	Circadian Surpriseâ€”It's Not All About Transcription. Science, 2012, 338, 338-340.	12.6	11
26	Arabidopsis circadian clock protein, TOC1, is a DNA-binding transcription factor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3167-3172.	7.1	436
27	A comparison of the low temperature transcriptomes and CBF regulons of three plant species that differ in freezing tolerance: Solanum commersonii, Solanum tuberosum, and Arabidopsis thaliana. Journal of Experimental Botany, 2011, 62, 3807-3819.	4.8	115
28	Circadian Control of Global Gene Expression Patterns. Annual Review of Genetics, 2010, 44, 419-444.	7.6	274
29	Roles forArabidopsisCAMTA Transcription Factors in Cold-Regulated Gene Expression and Freezing Tolerance Â. Plant Cell, 2009, 21, 972-984.	6.6	587