Colleen J Doherty

List of Publications by Year
in descending order

29 papers	3,046 citations	566801 15 h-index	476904 29 g-index
33 all docs	33 docs citations	33 times ranked	4533 citing authors

#	Article	IF	Citations
1	Roles for<i>Arabidopsis</i>CAMTA Transcription Factors in Cold-Regulated Gene Expression and Freezing Tolerance Â. Plant Cell, 2009, 21, 972-984.	3.1	587
2	<i>Arabidopsis</i> 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.	3.3	436
3	Regulation of the Arabidopsis CBF regulon by a complex lowâ€temperature regulatory network. Plant Journal, 2015, 82, 193-207.	2.8	413
4	<i>CIRCADIAN CLOCK-ASSOCIATED 1</i> regulates ROS homeostasis and oxidative stress responses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17129-17134.	3.3	336
5	Circadian Control of Global Gene Expression Patterns. Annual Review of Genetics, 2010, 44, 419-444.	3.2	274
6	Genome-wide identification of CCA1 targets uncovers an expanded clock network in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4802-10.	3.3	230
7	A Genome-Scale Resource for the Functional Characterization of Arabidopsis Transcription Factors. Cell Reports, 2014, 8, 622-632.	2.9	164
8	Plant Stress Tolerance Requires Auxin-Sensitive Aux/IAA Transcriptional Repressors. Current Biology, 2017, 27, 437-444.	1.8	148
9	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.	2.4	115
10	Directions for research and training in plant omics: Big Questions and Big Data. Plant Direct, 2019, 3, e00133.	0.8	47
11	A universal method for high-quality RNA extraction from plant tissues rich in starch, proteins and fiber. Scientific Reports, 2020, 10, 16887.	1.6	44
12	Only a matter of time: the impact of daily and seasonal rhythms on phytochemicals. Phytochemistry Reviews, 2019, 18, 1409-1433.	3.1	37
13	Novel transcriptional responses to heat revealed by turning up the heat at night. Plant Molecular Biology, 2019, 101, 1-19.	2.0	36
14	New candidate loci and marker genes on chromosome 7 for improved chilling tolerance in sorghum. Journal of Experimental Botany, 2019, 70, 3357-3371.	2.4	31
15	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, .	3.3	24
16	Improving Gene Regulatory Network Inference by Incorporating Rates of Transcriptional Changes. Scientific Reports, 2017, 7, 17244.	1.6	16
17	Modeling Transcriptome Dynamics in a Complex World. Cell, 2012, 151, 1161-1162.	13.5	15
18	Arabidopsis bioinformatics resources: The current state, challenges, and priorities for the future. Plant Direct, 2019, 3, e00109.	0.8	14

#	Article	IF	Citations
19	Current status of the multinational Arabidopsis community. Plant Direct, 2020, 4, e00248.	0.8	13
20	Circadian Surpriseâ€"It's Not All About Transcription. Science, 2012, 338, 338-340.	6.0	11
21	The Next Generation of Training for Arabidopsis Researchers: Bioinformatics and Quantitative Biology. Plant Physiology, 2017, 175, 1499-1509.	2.3	11
22	Genome-wide association study and gene network analyses reveal potential candidate genes for high night temperature tolerance in rice. Scientific Reports, 2021, 11, 6747.	1.6	10
23	Uncovering Transcriptional Responses to Fractional Gravity in Arabidopsis Roots. Life, 2021, 11, 1010.	1.1	10
24	Analysis of differential gene expression and alternative splicing is significantly influenced by choice of reference genome. Rna, 2019, 25, 669-684.	1.6	8
25	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.	1.7	4
26	The Circadian-clock Regulates the <i>Arabidopsis</i> Gravitropic Response. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2021, 9, 171-186.	0.3	3
27	The intersection between circadian and heat-responsive regulatory networks controls plant responses to increasing temperatures. Biochemical Society Transactions, 2022, 50, 1151-1165.	1.6	3
28	Quantification of gray mold infection in lettuce using a bispectral imaging system under laboratory conditions. Plant Direct, 2021, 5, e00317.	0.8	1
29	Evaluating the Effects of the Circadian Clock and Time of Day on Plant Gravitropic Responses. Methods in Molecular Biology, 2022, 2368, 301-319.	0.4	1