

# Colleen J Doherty

## List of Publications by Year in descending order

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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	Evaluating the Effects of the Circadian Clock and Time of Day on Plant Gravitropic Responses. <i>Methods in Molecular Biology</i> , 2022, 2368, 301-319.	0.4	1
2	The intersection between circadian and heat-responsive regulatory networks controls plant responses to increasing temperatures. <i>Biochemical Society Transactions</i> , 2022, 50, 1151-1165.	1.6	3
3	Quantification of gray mold infection in lettuce using a bispectral imaging system under laboratory conditions. <i>Plant Direct</i> , 2021, 5, e00317.	0.8	1
4	Genome-wide association study and gene network analyses reveal potential candidate genes for high night temperature tolerance in rice. <i>Scientific Reports</i> , 2021, 11, 6747.	1.6	10
5	Warm nights disrupt transcriptome rhythms in field-grown rice panicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
6	Uncovering Transcriptional Responses to Fractional Gravity in Arabidopsis Roots. <i>Life</i> , 2021, 11, 1010.	1.1	10
7	The Circadian-clock Regulates the <i>Arabidopsis</i> Gravitropic Response. <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2021, 9, 171-186.	0.3	3
8	Current status of the multinational Arabidopsis community. <i>Plant Direct</i> , 2020, 4, e00248.	0.8	13
9	A universal method for high-quality RNA extraction from plant tissues rich in starch, proteins and fiber. <i>Scientific Reports</i> , 2020, 10, 16887.	1.6	44
10	Only a matter of time: the impact of daily and seasonal rhythms on phytochemicals. <i>Phytochemistry Reviews</i> , 2019, 18, 1409-1433.	3.1	37
11	Novel transcriptional responses to heat revealed by turning up the heat at night. <i>Plant Molecular Biology</i> , 2019, 101, 1-19.	2.0	36
12	Directions for research and training in plant omics: Big Questions and Big Data. <i>Plant Direct</i> , 2019, 3, e00133.	0.8	47
13	Analysis of differential gene expression and alternative splicing is significantly influenced by choice of reference genome. <i>Rna</i> , 2019, 25, 669-684.	1.6	8
14	New candidate loci and marker genes on chromosome 7 for improved chilling tolerance in sorghum. <i>Journal of Experimental Botany</i> , 2019, 70, 3357-3371.	2.4	31
15	Arabidopsis bioinformatics resources: The current state, challenges, and priorities for the future. <i>Plant Direct</i> , 2019, 3, e00109.	0.8	14
16	Neural Net Classification Combined With Movement Analysis to Evaluate <i>Setaria viridis</i> as a Model System for Time of Day of Anther Appearance. <i>Frontiers in Plant Science</i> , 2018, 9, 1585.	1.7	4
17	Plant Stress Tolerance Requires Auxin-Sensitive Aux/IAA Transcriptional Repressors. <i>Current Biology</i> , 2017, 27, 437-444.	1.8	148
18	The Next Generation of Training for Arabidopsis Researchers: Bioinformatics and Quantitative Biology. <i>Plant Physiology</i> , 2017, 175, 1499-1509.	2.3	11

#	ARTICLE	IF	CITATIONS
19	Improving Gene Regulatory Network Inference by Incorporating Rates of Transcriptional Changes. <i>Scientific Reports</i> , 2017, 7, 17244.	1.6	16
20	Regulation of the Arabidopsis CBF regulon by a complex low-temperature regulatory network. <i>Plant Journal</i> , 2015, 82, 193-207.	2.8	413
21	Genome-wide identification of CCA1 targets uncovers an expanded clock network in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4802-10.	3.3	230
22	A Genome-Scale Resource for the Functional Characterization of Arabidopsis Transcription Factors. <i>Cell Reports</i> , 2014, 8, 622-632.	2.9	164
23	<i>CIRCADIAN CLOCK-ASSOCIATED 1</i> regulates ROS homeostasis and oxidative stress responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17129-17134.	3.3	336
24	Modeling Transcriptome Dynamics in a Complex World. <i>Cell</i> , 2012, 151, 1161-1162.	13.5	15
25	Circadian Surprise—It's Not All About Transcription. <i>Science</i> , 2012, 338, 338-340.	6.0	11
26	<i>Arabidopsis</i> circadian clock protein, TOC1, is a DNA-binding transcription factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3167-3172.	3.3	436
27	A comparison of the low temperature transcriptomes and CBF regulons of three plant species that differ in freezing tolerance: <i>Solanum commersonii</i> , <i>Solanum tuberosum</i> , and <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 3807-3819.	2.4	115
28	Circadian Control of Global Gene Expression Patterns. <i>Annual Review of Genetics</i> , 2010, 44, 419-444.	3.2	274
29	Roles for <i>Arabidopsis</i> CAMTA Transcription Factors in Cold-Regulated Gene Expression and Freezing Tolerance. <i>Plant Cell</i> , 2009, 21, 972-984.	3.1	587