# Colleen J Doherty

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Roles forArabidopsisCAMTA Transcription Factors in Cold-Regulated Gene Expression and Freezing Tolerance A. Plant Cell, 2009, 21, 972-984. | 6.6 | 587 |
| 2 | 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 |
| 3 | Regulation of the Arabidopsis CBF regulon by a complex lowâ€temperature regulatory network. Plant Journal, 2015, 82, 193-207. | 5.7 | 413 |
| 4 | 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 |
| 5 | Circadian Control of Global Gene Expression Patterns. Annual Review of Genetics, 2010, 44, 419-444. | 7.6 | 274 |
| 6 | 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 |
| 7 | A Genome-Scale Resource for the Functional Characterization of Arabidopsis Transcription Factors. Cell Reports, 2014, 8, 622-632. | 6.4 | 164 |
| 8 | Plant Stress Tolerance Requires Auxin-Sensitive Aux/IAA Transcriptional Repressors. Current Biology, 2017, 27, 437-444. | 3.9 | 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. | 4.8 | 115 |
| 10 | Directions for research and training in plant omics: Big Questions and Big Data. Plant Direct, 2019, 3, e00133. | 1.9 | 47 |
| 11 | 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 |
| 12 | Only a matter of time: the impact of daily and seasonal rhythms on phytochemicals. Phytochemistry Reviews, 2019, 18, 1409-1433. | 6.5 | 37 |
| 13 | Novel transcriptional responses to heat revealed by turning up the heat at night. Plant Molecular Biology, 2019, 101, 1-19. | 3.9 | 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. | 4.8 | 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, . | 7.1 | 24 |
| 16 | Improving Gene Regulatory Network Inference by Incorporating Rates of Transcriptional Changes. Scientific Reports, 2017, 7, 17244. | 3.3 | 16 |
| 17 | Modeling Transcriptome Dynamics in a Complex World. Cell, 2012, 151, 1161-1162. | 28.9 | 15 |
| 18 | Arabidopsis bioinformatics resources: The current state, challenges, and priorities for the future. Plant Direct, 2019, 3, e00109. | 1.9 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Current status of the multinational Arabidopsis community. Plant Direct, 2020, 4, e00248. | 1.9 | 13 |
| 20 | Circadian Surpriseâ€"It's Not All About Transcription. Science, 2012, 338, 338-340. | 12.6 | 11 |
| 21 | The Next Generation of Training for Arabidopsis Researchers: Bioinformatics and Quantitative Biology. Plant Physiology, 2017, 175, 1499-1509. | 4.8 | 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. | 3.3 | 10 |
| 23 | Uncovering Transcriptional Responses to Fractional Gravity in Arabidopsis Roots. Life, 2021, 11, 1010. | 2.4 | 10 |
| 24 | Analysis of differential gene expression and alternative splicing is significantly influenced by choice of reference genome. Rna, 2019, 25, 669-684. | 3.5 | 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. | 3.6 | 4 |
| 26 | 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 |
| 27 | 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 |
| 28 | Quantification of gray mold infection in lettuce using a bispectral imaging system under laboratory conditions. Plant Direct, 2021, 5, e00317. | 1.9 | 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. | 0.9 | 1 |