# Julia Bailey-Serres

### List of Publications by Citations

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62 13,888 130 117 h-index g-index citations papers 16,667 6.83 11 144 L-index ext. citations avg, IF ext. papers

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 130 | Sub1A is an ethylene-response-factor-like gene that confers submergence tolerance to rice. <i>Nature</i> , <b>2006</b> , 442, 705-8   | 50.4 | 1084      |
| 129 | Genetic mechanisms of abiotic stress tolerance that translate to crop yield stability. <i>Nature Reviews Genetics</i> , <b>2015</b> , 16, 237-51  | 30.1 | 547       |
| 128 | A variable cluster of ethylene response factor-like genes regulates metabolic and developmental acclimation responses to submergence in rice. <i>Plant Cell</i> , <b>2006</b> , 18, 2021-34   | 11.6 | 489       |
| 127 | Profiling translatomes of discrete cell populations resolves altered cellular priorities during hypoxia in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 18843-8 | 11.5 | 442       |
| 126 | Homeostatic response to hypoxia is regulated by the N-end rule pathway in plants. <i>Nature</i> , <b>2011</b> , 479, 415-8  | 50.4 | 438       |
| 125 | Making sense of low oxygen sensing. <i>Trends in Plant Science</i> , <b>2012</b> , 17, 129-38   | 13.1 | 365       |
| 124 | Flood adaptive traits and processes: an overview. <i>New Phytologist</i> , <b>2015</b> , 206, 57-73   | 9.8  | 363       |
| 123 | The submergence tolerance regulator SUB1A mediates crosstalk between submergence and drought tolerance in rice. <i>Plant Cell</i> , <b>2011</b> , 23, 412-27  | 11.6 | 353       |
| 122 | Genetic strategies for improving crop yields. <i>Nature</i> , <b>2019</b> , 575, 109-118  | 50.4 | 318       |
| 121 | RopGAP4-dependent Rop GTPase rheostat control of Arabidopsis oxygen deprivation tolerance. <i>Science</i> , <b>2002</b> , 296, 2026-8   | 33.3 | 304       |
| 120 | Submergence tolerance conferred by Sub1A is mediated by SLR1 and SLRL1 restriction of gibberellin responses in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 16814-9    | 11.5 | 302       |
| 119 | Plant responses to hypoxiais survival a balancing act?. <i>Trends in Plant Science</i> , <b>2004</b> , 9, 449-56  | 13.1 | 299       |
| 118 | Selective mRNA translation coordinates energetic and metabolic adjustments to cellular oxygen deprivation and reoxygenation in Arabidopsis thaliana. <i>Plant Journal</i> , <b>2008</b> , 56, 743-55  | 6.9  | 268       |
| 117 | Differential mRNA translation contributes to gene regulation under non-stress and dehydration stress conditions in Arabidopsis thaliana. <i>Plant Journal</i> , <b>2004</b> , 38, 823-39  | 6.9  | 254       |
| 116 | Cross-kingdom comparison of transcriptomic adjustments to low-oxygen stress highlights conserved and plant-specific responses. <i>Plant Physiology</i> , <b>2010</b> , 152, 1484-500  | 6.6  | 248       |
| 115 | Translational dynamics revealed by genome-wide profiling of ribosome footprints in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E203-12                         | 11.5 | 245       |
| 114 | Waterproofing crops: effective flooding survival strategies. <i>Plant Physiology</i> , <b>2012</b> , 160, 1698-709  | 6.6  | 243       |

# (2013-2005)

| 113 | Genome-wide analysis of transcript abundance and translation in Arabidopsis seedlings subjected to oxygen deprivation. <i>Annals of Botany</i> , <b>2005</b> , 96, 647-60                                     | 4.1            | 238 |
|-----|---|----------------|-----|
| 112 | The Organization of Cytoplasmic Ribosomal Protein Genes in the Arabidopsis Genome. <i>Plant Physiology</i> , <b>2001</b> , 127, 398-415   | 6.6            | 230 |
| 111 | Hairy root transformation using Agrobacterium rhizogenes as a tool for exploring cell type-specific gene expression and function using tomato as a model. <i>Plant Physiology</i> , <b>2014</b> , 166, 455-69 | 6.6            | 219 |
| 110 | Submergence Tolerant Rice: SUB1 Journey from Landrace to Modern Cultivar. <i>Rice</i> , <b>2010</b> , 3, 138-147  | 5.8            | 216 |
| 109 | Sensing and signalling in response to oxygen deprivation in plants and other organisms. <i>Annals of Botany</i> , <b>2005</b> , 96, 507-18  | 4.1            | 193 |
| 108 | Immunopurification of polyribosomal complexes of Arabidopsis for global analysis of gene expression. <i>Plant Physiology</i> , <b>2005</b> , 138, 624-35  | 6.6            | 189 |
| 107 | A trehalose-6-phosphate phosphatase enhances anaerobic germination tolerance in rice. <i>Nature Plants</i> , <b>2015</b> , 1, 15124   | 11.5           | 178 |
| 106 | Unraveling the tapestry of networks involving reactive oxygen species in plants. <i>Plant Physiology</i> , <b>2008</b> , 147, 978-84  | 6.6            | 177 |
| 105 | Life in the balance: a signaling network controlling survival of flooding. <i>Current Opinion in Plant Biology</i> , <b>2010</b> , 13, 489-94   | 9.9            | 163 |
| 104 | mRNA sequence features that contribute to translational regulation in Arabidopsis. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 955-65   | 20.1           | 148 |
| 103 | Molecular characterization of the submergence response of the Arabidopsis thaliana ecotype Columbia. <i>New Phytologist</i> , <b>2011</b> , 190, 457-71   | 9.8            | 144 |
| 102 | Regulation of translational initiation in plants. Current Opinion in Plant Biology, 2002, 5, 460-5  | 9.9            | 142 |
| 101 | Redundant ERF-VII Transcription Factors Bind to an Evolutionarily Conserved cis-Motif to Regulate Hypoxia-Responsive Gene Expression in Arabidopsis. <i>Plant Cell</i> , <b>2016</b> , 28, 160-80             | 11.6           | 139 |
| 100 | The submergence tolerance regulator Sub1A mediates stress-responsive expression of AP2/ERF transcription factors. <i>Plant Physiology</i> , <b>2010</b> , 152, 1674-92  | 6.6            | 138 |
| 99  | Annotating genes of known and unknown function by large-scale coexpression analysis. <i>Plant Physiology</i> , <b>2008</b> , 147, 41-57   | 6.6            | 137 |
| 98  | Proteomic characterization of evolutionarily conserved and variable proteins of Arabidopsis cytosolic ribosomes. <i>Plant Physiology</i> , <b>2005</b> , 137, 848-62  | 6.6            | 127 |
| 97  | Selective translation of cytoplasmic mRNAs in plants. <i>Trends in Plant Science</i> , <b>1999</b> , 4, 142-148   | 13.1           | 123 |
| 96  | Flooding tolerance: O2 sensing and survival strategies. Current Opinion in Plant Biology, <b>2013</b> , 16, 647-5   | i <b>3</b> 9.9 | 122 |

| 95 | Mechanism of cytoplasmic mRNA translation. <i>The Arabidopsis Book</i> , <b>2015</b> , 13, e0176  | 3            | 118 |
|----|---|--------------|-----|
| 94 | Profiling of Accessible Chromatin Regions across Multiple Plant Species and Cell Types Reveals Common Gene Regulatory Principles and New Control Modules. <i>Plant Cell</i> , <b>2018</b> , 30, 15-36   | 11.6         | 116 |
| 93 | Mitochondrial genome rearrangement leads to extension and relocation of the cytochrome c oxidase subunit I gene in sorghum. <i>Cell</i> , <b>1986</b> , 47, 567-76  | 56.2         | 113 |
| 92 | Hypoxic stress-induced changes in ribosomes of maize seedling roots. <i>Plant Physiology</i> , <b>1990</b> , 94, 1237-4   | <b>48</b> .6 | 109 |
| 91 | Selective mRNA sequestration by OLIGOURIDYLATE-BINDING PROTEIN 1 contributes to translational control during hypoxia in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2373-8 | 11.5         | 106 |
| 90 | EthyleneA key regulator of submergence responses in rice. <i>Plant Science</i> , <b>2008</b> , 175, 43-51   | 5.3          | 104 |
| 89 | Regulated phosphorylation of 40S ribosomal protein S6 in root tips of maize. <i>Plant Physiology</i> , <b>2003</b> , 132, 2086-97   | 6.6          | 102 |
| 88 | Two Rumex species from contrasting hydrological niches regulate flooding tolerance through distinct mechanisms. <i>Plant Cell</i> , <b>2013</b> , 25, 4691-707  | 11.6         | 101 |
| 87 | Global analysis of ribosome-associated noncoding RNAs unveils new modes of translational regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E10018-E10027                          | 11.5         | 100 |
| 86 | Getting the message across: cytoplasmic ribonucleoprotein complexes. <i>Trends in Plant Science</i> , <b>2009</b> , 14, 443-53  | 13.1         | 97  |
| 85 | Transient MPK6 activation in response to oxygen deprivation and reoxygenation is mediated by mitochondria and aids seedling survival in Arabidopsis. <i>Plant Molecular Biology</i> , <b>2012</b> , 78, 109-22  | 4.6          | 96  |
| 84 | Isolation of plant polysomal mRNA by differential centrifugation and ribosome immunopurification methods. <i>Methods in Molecular Biology</i> , <b>2009</b> , 553, 109-26   | 1.4          | 95  |
| 83 | The submergence tolerance gene SUB1A delays leaf senescence under prolonged darkness through hormonal regulation in rice. <i>Plant Physiology</i> , <b>2012</b> , 160, 1795-807   | 6.6          | 93  |
| 82 | Ethylene-mediated nitric oxide depletion pre-adapts plants to hypoxia stress. <i>Nature Communications</i> , <b>2019</b> , 10, 4020   | 17.4         | 89  |
| 81 | Comparison of GC-MS and NMR for metabolite profiling of rice subjected to submergence stress.<br>Journal of Proteome Research, <b>2013</b> , 12, 898-909  | 5.6          | 88  |
| 80 | Natural variation of submergence tolerance among Arabidopsis thaliana accessions. <i>New Phytologist</i> , <b>2011</b> , 190, 299-310   | 9.8          | 87  |
| 79 | Dynamic Light Regulation of Translation Status in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , <b>2012</b> , 3, 66   | 6.2          | 85  |
| 78 | Polysomes, Stress Granules, and Processing Bodies: A Dynamic Triumvirate Controlling Cytoplasmic mRNA Fate and Function. <i>Plant Physiology</i> , <b>2018</b> , 176, 254-269   | 6.6          | 85  |

# (2014-2017)

| 77 | Community recommendations on terminology and procedures used in flooding and low oxygen stress research. <i>New Phytologist</i> , <b>2017</b> , 214, 1403-1407   | 9.8  | 84 |
|----|--|------|----|
| 76 | Synonymous codon usage in Zea mays L. nuclear genes is varied by levels of C and G-ending codons. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 5294-300   | 20.1 | 8o |
| 75 | A stress recovery signaling network for enhanced flooding tolerance in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6085-E6094  | 11.5 | 78 |
| 74 | Post-transcriptional regulation of gene expression in oxygen-deprived roots of maize. <i>Plant Journal</i> , <b>1995</b> , 7, 287-295  | 6.9  | 75 |
| 73 | Linking genes of unknown function with abiotic stress responses by high-throughput phenotype screening. <i>Physiologia Plantarum</i> , <b>2013</b> , 148, 322-33   | 4.6  | 66 |
| 72 | Molecular and biochemical characterization of cytosolic phosphoglucomutase in maize. Expression during development and in response to oxygen deprivation. <i>Plant Physiology</i> , <b>1998</b> , 117, 997-1006                              | 6.6  | 65 |
| 71 | Selective recruitment of mRNAs and miRNAs to polyribosomes in response to rhizobia infection in Medicago truncatula. <i>Plant Journal</i> , <b>2013</b> , 73, 289-301  | 6.9  | 64 |
| 70 | A trihelix DNA binding protein counterbalances hypoxia-responsive transcriptional activation in Arabidopsis. <i>PLoS Biology</i> , <b>2014</b> , 12, e1001950  | 9.7  | 62 |
| 69 | Transcriptional and post-transcriptional processes regulate gene expression in oxygen-deprived roots of maize. <i>Plant Journal</i> , <b>1998</b> , 15, 727-735  | 6.9  | 62 |
| 68 | Evolutionary analysis of the Sub1 gene cluster that confers submergence tolerance to domesticated rice. <i>Annals of Botany</i> , <b>2009</b> , 103, 143-50  | 4.1  | 59 |
| 67 | Transcriptomes of Eight Arabidopsis thaliana Accessions Reveal Core Conserved, Genotype- and Organ-Specific Responses to Flooding Stress. <i>Plant Physiology</i> , <b>2016</b> , 172, 668-689   | 6.6  | 58 |
| 66 | Characterization of distinct root and shoot responses to low-oxygen stress in Arabidopsis with a focus on primary C- and N-metabolism. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 2366-80  | 8.4  | 54 |
| 65 | Posttranscriptional control of photosynthetic mRNA decay under stress conditions requires 3' and 5' untranslated regions and correlates with differential polysome association in rice. <i>Plant Physiology</i> , <b>2012</b> , 159, 1111-24 | 6.6  | 54 |
| 64 | What makes species unique? The contribution of proteins with obscure features. <i>Genome Biology</i> , <b>2006</b> , 7, R57  | 18.3 | 54 |
| 63 | Evolutionary analyses of the 12-kDa acidic ribosomal P-proteins reveal a distinct protein of higher plant ribosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 2378-83      | 11.5 | 54 |
| 62 | Differential metabolic regulation governed by the rice SUB1A gene during submergence stress and identification of alanylglycine by 1H NMR spectroscopy. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 320-30                       | 5.6  | 52 |
| 61 | Expression of rice SUB1A and SUB1C transcription factors in Arabidopsis uncovers flowering inhibition as a submergence tolerance mechanism. <i>Plant Journal</i> , <b>2011</b> , 67, 434-46  | 6.9  | 51 |
| 60 | Profiling of translatomes of in vivo-grown pollen tubes reveals genes with roles in micropylar guidance during pollination in Arabidopsis. <i>Plant Cell</i> , <b>2014</b> , 26, 602-18  | 11.6 | 50 |

| 59 | Water-deficit-induced translational control in Nicotiana tabacum. <i>Plant, Cell and Environment</i> , <b>2003</b> , 26, 221-229  | 8.4  | 50 |
|----|---|------|----|
| 58 | Gene and enhancer trap transposable elements reveal oxygen deprivation-regulated genes and their complex patterns of expression in Arabidopsis. <i>Annals of Botany</i> , <b>2003</b> , 91 Spec No, 129-41              | 4.1  | 49 |
| 57 | Noncanonical Alternative Polyadenylation Contributes to Gene Regulation in Response to Hypoxia. <i>Plant Cell</i> , <b>2017</b> , 29, 1262-1277   | 11.6 | 48 |
| 56 | Translating Ribosome Affinity Purification (TRAP) followed by RNA sequencing technology (TRAP-SEQ) for quantitative assessment of plant translatomes. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1284, 185-207 | 1.4  | 48 |
| 55 | Oxygen deprivation stimulates Ca2+-mediated phosphorylation of mRNA cap-binding protein eIF4E in maize roots. <i>Plant Journal</i> , <b>1999</b> , 19, 21-30  | 6.9  | 47 |
| 54 | Nuclear-mitochondrial interactions in cytoplasmic male-sterile sorghum. <i>Theoretical and Applied Genetics</i> , <b>1986</b> , 73, 252-60  | 6    | 42 |
| 53 | Cold shock protein <sup>©</sup> chaperones mRNAs during translation in Arabidopsis thaliana. <i>Plant Journal</i> , <b>2013</b> , 74, 1016-28   | 6.9  | 41 |
| 52 | Evolutionary flexibility in flooding response circuitry in angiosperms. <i>Science</i> , <b>2019</b> , 365, 1291-1295   | 33.3 | 40 |
| 51 | Rice SUB1A constrains remodelling of the transcriptome and metabolome during submergence to facilitate post-submergence recovery. <i>Plant, Cell and Environment</i> , <b>2018</b> , 41, 721-736                        | 8.4  | 40 |
| 50 | After The Deluge: Plant Revival Post-Flooding. <i>Trends in Plant Science</i> , <b>2019</b> , 24, 443-454   | 13.1 | 36 |
| 49 | Applying Genomics Tools for Breeding Submergence Tolerance in Rice <b>2013</b> , 9-30   |      | 35 |
| 48 | Proteomic LC-MS analysis of Arabidopsis cytosolic ribosomes: Identification of ribosomal protein paralogs and re-annotation of the ribosomal protein genes. <i>Journal of Proteomics</i> , <b>2015</b> , 128, 436-49    | 3.9  | 33 |
| 47 | Regulated heterogeneity in 12-kDa P-protein phosphorylation and composition of ribosomes in maize (Zea mays L.). <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 10921-8                                    | 5.4  | 33 |
| 46 | Co-operation between cytosolic and plastidic oxidative pentose phosphate pathways revealed by 6-phosphogluconate dehydrogenase-deficient genotypes of maize. <i>Plant Journal</i> , <b>1998</b> , 14, 449-457           | 6.9  | 32 |
| 45 | Genome cluster database. A sequence family analysis platform for Arabidopsis and rice. <i>Plant Physiology</i> , <b>2005</b> , 138, 47-54   | 6.6  | 30 |
| 44 | Size distributions of circular molecules in plant mitochondrial DNAs. <i>Current Genetics</i> , <b>1987</b> , 12, 49-53   | 2.9  | 30 |
| 43 | Bioorthogonal Noncanonical Amino Acid Tagging (BONCAT) Enables Time-Resolved Analysis of Protein Synthesis in Native Plant Tissue. <i>Plant Physiology</i> , <b>2017</b> , 173, 1543-1553                               | 6.6  | 29 |
| 42 | Nuclear Transcriptomes at High Resolution Using Retooled INTACT. <i>Plant Physiology</i> , <b>2018</b> , 176, 270-28  | 16.6 | 29 |

# (2021-2019)

| 41 | Integrative Analysis from the Epigenome to Translatome Uncovers Patterns of Dominant Nuclear Regulation during Transient Stress. <i>Plant Cell</i> , <b>2019</b> , 31, 2573-2595                                 | 11.6 | 28 |  |
|----|--|------|----|--|
| 40 | Emerging roles of long non-coding RNA in root developmental plasticity and regulation of phosphate homeostasis. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 400   | 6.2  | 28 |  |
| 39 | Analysis of Ribosome-Associated mRNAs in Rice Reveals the Importance of Transcript Size and GC Content in Translation. <i>G3: Genes, Genomes, Genetics</i> , <b>2017</b> , 7, 203-219                            | 3.2  | 27 |  |
| 38 | Ribosome profiling: a tool for quantitative evaluation of dynamics in mRNA translation. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1284, 139-73   | 1.4  | 20 |  |
| 37 | The Arabidopsis translatome cell-specific mRNA atlas: Mining suberin and cutin lipid monomer biosynthesis genes as an example for data application. <i>Plant Signaling and Behavior</i> , <b>2010</b> , 5, 320-4 | 2.5  | 20 |  |
| 36 | Purification and characterization of cytosolic 6-phosphogluconate dehydrogenase isozymes from maize. <i>Plant Physiology</i> , <b>1992</b> , 100, 1580-3   | 6.6  | 20 |  |
| 35 | Characteristics and significance of intergenic polyadenylated RNA transcription in Arabidopsis. <i>Plant Physiology</i> , <b>2013</b> , 161, 210-24  | 6.6  | 18 |  |
| 34 | Expression and distribution of cytosolic 6-phosphogluconate dehydrogenase isozymes in maize. <i>Biochemical Genetics</i> , <b>1992</b> , 30, 233-46  | 2.4  | 16 |  |
| 33 | Isolation and analysis of mRNAs from specific cell types of plants by ribosome immunopurification. <i>Methods in Molecular Biology</i> , <b>2013</b> , 959, 277-302  | 1.4  | 15 |  |
| 32 | DHH1/DDX6-like RNA helicases maintain ephemeral half-lives of stress-response mRNAs. <i>Nature Plants</i> , <b>2020</b> , 6, 675-685   | 11.5 | 14 |  |
| 31 | Evaluation of Translational Control Mechanisms in Response to Oxygen Deprivation in Maize. <i>Russian Journal of Plant Physiology</i> , <b>2003</b> , 50, 774-786  | 1.6  | 12 |  |
| 30 | Searching for a Match: Structure, Function and Application of Sequence-Specific RNA-Binding Proteins. <i>Plant and Cell Physiology</i> , <b>2019</b> , 60, 1927-1938   | 4.9  | 10 |  |
| 29 | The Next Generation of Training for Arabidopsis Researchers: Bioinformatics and Quantitative Biology. <i>Plant Physiology</i> , <b>2017</b> , 175, 1499-1509   | 6.6  | 10 |  |
| 28 | Reprogramming of Root Cells during Nitrogen-Fixing Symbiosis Involves Dynamic Polysome Association of Coding and Noncoding RNAs. <i>Plant Cell</i> , <b>2020</b> , 32, 352-373                                   | 11.6 | 10 |  |
| 27 | Innovation, conservation, and repurposing of gene function in root cell type development. <i>Cell</i> , <b>2021</b> , 184, 3333-3348.e19   | 56.2 | 9  |  |
| 26 | Utilizing PacBio Iso-Seq for Novel Transcript and Gene Discovery of Abiotic Stress Responses in L. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,  | 6.3  | 8  |  |
| 25 | Vision, challenges and opportunities for a Plant Cell Atlas. <i>ELife</i> , <b>2021</b> , 10,  | 8.9  | 8  |  |
| 24 | Improved Transformation and Regeneration of Rice: Disruption of as a Test Case via CRISPR-Cas9. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,   | 6.3  | 7  |  |

| 23 | Lighting the shadows: methods that expose nuclear and cytoplasmic gene regulatory control. <i>Current Opinion in Biotechnology</i> , <b>2018</b> , 49, 29-34  | 11.4 | 5 |
|----|---|------|---|
| 22 | Selective mRNA Translation Tailors Low Oxygen Energetics. <i>Plant Cell Monographs</i> , <b>2014</b> , 95-115   | 0.6  | 5 |
| 21 | Plant biology: An immunity boost combats crop disease. <i>Nature</i> , <b>2017</b> , 545, 420-421   | 50.4 | 4 |
| 20 | Flexible Ion Barrier. <i>Cell</i> , <b>2016</b> , 164, 345-6  | 56.2 | 4 |
| 19 | Rapid immunopurification of ribonucleoprotein complexes of plants. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1284, 209-19   | 1.4  | 4 |
| 18 | Flood resilience loci and interact in seedlings established underwater. <i>Plant Direct</i> , <b>2020</b> , 4, e00240   | 3.3  | 4 |
| 17 | Genome-wide Analysis of Transcript Abundance and Translation in Arabidopsis Seedlings Subjected to Oxygen Deprivation. <i>Annals of Botany</i> , <b>2005</b> , 96, 1142-1142  | 4.1  | 3 |
| 16 | Isolation of Nuclei in Tagged Cell Types (INTACT), RNA Extraction and Ribosomal RNA Degradation to Prepare Material for RNA-Seq. <i>Bio-protocol</i> , <b>2018</b> , 8, e2458   | 0.9  | 3 |
| 15 | Conserved and nuanced hierarchy of gene regulatory response to hypoxia. <i>New Phytologist</i> , <b>2021</b> , 229, 71-78   | 9.8  | 3 |
| 14 | Innovation, conservation and repurposing of gene function in plant root cell type development   |      | 2 |
| 13 | Profiling of accessible chromatin regions across multiple plant species and cell types reveals common gene regulatory principles and new control modules  |      | 2 |
| 12 | A stress recovery signaling network for enhanced flooding tolerance in Arabidopsis thaliana   |      | 2 |
|    |   |      |   |
| 11 | Nitrogen-responsive transcription factor kinetics meter plant growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 13196-13198   | 11.5 | 1 |
| 10 |   | 11.5 |   |
|    | Academy of Sciences of the United States of America, <b>2020</b> , 117, 13196-13198   |      |   |
| 10 | Academy of Sciences of the United States of America, 2020, 117, 13196-13198  Hypoxia and development: Air conditional. Nature Plants, 2015, 1, 15095  Integrative analysis from the epigenome through translation exposes patterns of dominant nuclear  |      | 1 |
| 10 | Academy of Sciences of the United States of America, 2020, 117, 13196-13198  Hypoxia and development: Air conditional. Nature Plants, 2015, 1, 15095  Integrative analysis from the epigenome through translation exposes patterns of dominant nuclear regulation during transient stress  DHH1/DDX6-like RNA helicases maintain ephemeral half-lives of stress-response mRNAs associated |      | 1 |

#### LIST OF PUBLICATIONS

| 5 | The Plant Cell Atlas: Focusing New Technologies on the Kingdom that Nourishes the Planet <i>Plant Physiology</i> , <b>2021</b> ,  | 6.6  | 1 |
|---|---|------|---|
| 4 | Variation in upstream open reading frames contributes to allelic diversity in maize protein abundance <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2112516119 | 11.5 | 1 |
| 3 | Gene regulatory circuitry of plant-environment interactions: scaling from cells to the field. <i>Current Opinion in Plant Biology</i> , <b>2021</b> , 65, 102122  | 9.9  | 0 |
| 2 | ?????????. Nature Digest, <b>2009</b> , 6, 28-29  | О    |   |
| 1 | Expression and distribution of cytosolic 6-phosphogluconate dehydrogenase isozymes in maize. <i>Biochemical Genetics</i> , <b>1992</b> , 30, 233-246  | 2.4  |   |