

Gerald A Tuskan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7231639/publications.pdf>

Version: 2024-02-01

233
papers

28,455
citations

10986

71
h-index

5988

160
g-index

249
all docs

249
docs citations

249
times ranked

26480
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Genome of Black Cottonwood, <i>Populus trichocarpa</i> (Torr. & Gray). <i>Science</i> , 2006, 313, 1596-1604. | 12.6 | 3,945 |
| 2 | Lignin Valorization: Improving Lignin Processing in the Biorefinery. <i>Science</i> , 2014, 344, 1246843. | 12.6 | 2,994 |
| 3 | Genome sequencing and analysis of the model grass <i>Brachypodium distachyon</i> . <i>Nature</i> , 2010, 463, 763-768. | 27.8 | 1,685 |
| 4 | The genome of <i>Laccaria bicolor</i> provides insights into mycorrhizal symbiosis. <i>Nature</i> , 2008, 452, 88-92. | 27.8 | 1,003 |
| 5 | Reference genome sequence of the model plant <i>Setaria</i> . <i>Nature Biotechnology</i> , 2012, 30, 555-561. | 17.5 | 864 |
| 6 | The genome of <i>Eucalyptus grandis</i> . <i>Nature</i> , 2014, 510, 356-362. | 27.8 | 725 |
| 7 | Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20117-20122. | 7.1 | 717 |
| 8 | Obligate biotrophy features unraveled by the genomic analysis of rust fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9166-9171. | 7.1 | 640 |
| 9 | Poplar as a feedstock for biofuels: A review of compositional characteristics. <i>Biofuels, Bioproducts and Biorefining</i> , 2010, 4, 209-226. | 3.7 | 558 |
| 10 | Distinct Microbial Communities within the Endosphere and Rhizosphere of <i>Populus deltoides</i> Roots across Contrasting Soil Types. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5934-5944. | 3.1 | 524 |
| 11 | Lignin content in natural <i>Populus</i> variants affects sugar release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6300-6305. | 7.1 | 515 |
| 12 | The pineapple genome and the evolution of CAM photosynthesis. <i>Nature Genetics</i> , 2015, 47, 1435-1442. | 21.4 | 472 |
| 13 | The <i>Physcomitrella patens</i> chromosome-scale assembly reveals moss genome structure and evolution. <i>Plant Journal</i> , 2018, 93, 515-533. | 5.7 | 406 |
| 14 | <i>FLOWERING LOCUS T</i> duplication coordinates reproductive and vegetative growth in perennial poplar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10756-10761. | 7.1 | 370 |
| 15 | Population genomics of <i>Populus trichocarpa</i> identifies signatures of selection and adaptive trait associations. <i>Nature Genetics</i> , 2014, 46, 1089-1096. | 21.4 | 330 |
| 16 | A Multifactor Analysis of Fungal and Bacterial Community Structure in the Root Microbiome of Mature <i>Populus deltoides</i> Trees. <i>PLoS ONE</i> , 2013, 8, e76382. | 2.5 | 315 |
| 17 | The transcriptome of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. <i>New Phytologist</i> , 2012, 193, 755-769. | 7.3 | 305 |
| 18 | Genomic insights into salt adaptation in a desert poplar. <i>Nature Communications</i> , 2013, 4, 2797. | 12.8 | 286 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Plant host and soil origin influence fungal and bacterial assemblages in the roots of woody plants. <i>Molecular Ecology</i> , 2014, 23, 3356-3370. | 3.9 | 285 |
| 20 | Regulation of Lignin Biosynthesis and Its Role in Growth-Defense Tradeoffs. <i>Frontiers in Plant Science</i> , 2018, 9, 1427. | 3.6 | 231 |
| 21 | Genome-wide analysis of Aux/IAA and ARF gene families in <i>Populus trichocarpa</i> . <i>BMC Plant Biology</i> , 2007, 7, 59. | 3.6 | 218 |
| 22 | A roadmap for research on crassulacean acid metabolism (<sc>CAM</sc>) to enhance sustainable food and bioenergy production in a hotter, drier world. <i>New Phytologist</i> , 2015, 207, 491-504. | 7.3 | 211 |
| 23 | Engineering crassulacean acid metabolism to improve water-use efficiency. <i>Trends in Plant Science</i> , 2014, 19, 327-338. | 8.8 | 206 |
| 24 | Antisense Down-Regulation of <i>4CL</i> Expression Alters Lignification, Tree Growth, and Saccharification Potential of Field-Grown Poplar. <i>Plant Physiology</i> , 2010, 154, 874-886. | 4.8 | 195 |
| 25 | Involvement of auxin pathways in modulating root architecture during beneficial plant-microorganism interactions. <i>Plant, Cell and Environment</i> , 2013, 36, 909-919. | 5.7 | 192 |
| 26 | Divergence of the Dof Gene Families in Poplar, Arabidopsis, and Rice Suggests Multiple Modes of Gene Evolution after Duplication. <i>Plant Physiology</i> , 2006, 142, 820-830. | 4.8 | 184 |
| 27 | Specialized Microbiome of a Halophyte and its Role in Helping Non-Host Plants to Withstand Salinity. <i>Scientific Reports</i> , 2016, 6, 32467. | 3.3 | 181 |
| 28 | Genome structure and emerging evidence of an incipient sex chromosome in <i>Populus</i>. <i>Genome Research</i> , 2008, 18, 422-430. | 5.5 | 177 |
| 29 | Genome resequencing reveals multiscale geographic structure and extensive linkage disequilibrium in the forest tree <i>Populus trichocarpa</i>. <i>New Phytologist</i> , 2012, 196, 713-725. | 7.3 | 173 |
| 30 | Genome-wide association implicates numerous genes underlying ecological trait variation in natural populations of <i>Populus trichocarpa</i>. <i>New Phytologist</i> , 2014, 203, 535-553. | 7.3 | 171 |
| 31 | The <i>Kalanchoë</i> genome provides insights into convergent evolution and building blocks of crassulacean acid metabolism. <i>Nature Communications</i> , 2017, 8, 1899. | 12.8 | 159 |
| 32 | Genome-wide association mapping for wood characteristics in <i>Populus</i> identifies an array of candidate single nucleotide polymorphisms. <i>New Phytologist</i> , 2013, 200, 710-726. | 7.3 | 158 |
| 33 | Transcript, protein and metabolite temporal dynamics in the CAM plant <i>Agave</i> . <i>Nature Plants</i> , 2016, 2, 16178. | 9.3 | 158 |
| 34 | Phytosequestration: Carbon Biosequestration by Plants and the Prospects of Genetic Engineering. <i>BioScience</i> , 2010, 60, 685-696. | 4.9 | 149 |
| 35 | The willow genome and divergent evolution from poplar after the common genome duplication. <i>Cell Research</i> , 2014, 24, 1274-1277. | 12.0 | 148 |
| 36 | Characterization of microsatellites revealed by genomic sequencing of <i>Populus trichocarpa</i> . <i>Canadian Journal of Forest Research</i> , 2004, 34, 85-93. | 1.7 | 145 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Plant Host-Associated Mechanisms for Microbial Selection. <i>Frontiers in Plant Science</i> , 2019, 10, 862. | 3.6 | 139 |
| 38 | Large-scale heterospecific segregation distortion in <i>Populus</i> revealed by a dense genetic map. <i>Theoretical and Applied Genetics</i> , 2004, 109, 451-463. | 3.6 | 135 |
| 39 | Variation of S/G Ratio and Lignin Content in a <i>Populus</i> Family Influences the Release of Xylose by Dilute Acid Hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 2006, 130, 427-435. | 2.9 | 135 |
| 40 | Accelerating Climate Resilient Plant Breeding by Applying Next-Generation Artificial Intelligence. <i>Trends in Biotechnology</i> , 2019, 37, 1217-1235. | 9.3 | 134 |
| 41 | The F-Box Gene Family Is Expanded in Herbaceous Annual Plants Relative to Woody Perennial Plants. <i>Plant Physiology</i> , 2008, 148, 1189-1200. | 4.8 | 125 |
| 42 | Plant-Derived Terpenes: A Feedstock for Specialty Biofuels. <i>Trends in Biotechnology</i> , 2017, 35, 227-240. | 9.3 | 124 |
| 43 | A Dual Role of Strigolactones in Phosphate Acquisition and Utilization in Plants. <i>International Journal of Molecular Sciences</i> , 2013, 14, 7681-7701. | 4.1 | 117 |
| 44 | Breeding progress and preparedness for mass-scale deployment of perennial lignocellulosic biomass crops switchgrass, miscanthus, willow and poplar. <i>GCB Bioenergy</i> , 2019, 11, 118-151. | 5.6 | 116 |
| 45 | Limitations of molecular-marker-aided selection in forest tree breeding. <i>Canadian Journal of Forest Research</i> , 1992, 22, 1050-1061. | 1.7 | 113 |
| 46 | Two Poplar-Associated Bacterial Isolates Induce Additive Favorable Responses in a Constructed Plant-Microbiome System. <i>Frontiers in Plant Science</i> , 2016, 7, 497. | 3.6 | 113 |
| 47 | Genome-wide association studies and expression-based quantitative trait loci analyses reveal roles of HCT2 in caffeoylquinic acid biosynthesis and its regulation by defense-responsive transcription factors in <i>Populus</i> . <i>New Phytologist</i> , 2018, 220, 502-516. | 7.3 | 112 |
| 48 | Identification of Quantitative Trait Loci Influencing Wood Property Traits in Loblolly Pine (<i>Pinus taeda</i>). <i>Journal of Heredity</i> , 2010, 101, 107-112. | 2.9 | 112 |
| 49 | Recent Advances in the Transcriptional Regulation of Secondary Cell Wall Biosynthesis in the Woody Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 1535. | 3.6 | 110 |
| 50 | Poplar Genomics is Getting Popular: The Impact of the Poplar Genome Project on Tree Research. <i>Plant Biology</i> , 2004, 6, 2-4. | 3.8 | 109 |
| 51 | High-resolution genetic mapping of allelic variants associated with cell wall chemistry in <i>Populus</i> . <i>BMC Genomics</i> , 2015, 16, 24. | 2.8 | 106 |
| 52 | An In-Depth Understanding of Biomass Recalcitrance Using Natural Poplar Variants as the Feedstock. <i>ChemSusChem</i> , 2017, 10, 139-150. | 6.8 | 106 |
| 53 | Discovery and annotation of small proteins using genomics, proteomics, and computational approaches. <i>Genome Research</i> , 2011, 21, 634-641. | 5.5 | 105 |
| 54 | <i>Pseudomonas fluorescens</i> Induces Strain-Dependent and Strain-Independent Host Plant Responses in Defense Networks, Primary Metabolism, Photosynthesis, and Fitness. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 765-778. | 2.6 | 100 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | <i>Populus trichocarpa</i> cell wall chemistry and ultrastructure trait variation, genetic control and genetic correlations. <i>New Phytologist</i> , 2013, 197, 777-790. | 7.3 | 100 |
| 56 | Significance of Lignin S/G Ratio in Biomass Recalcitrance of <i>Populus trichocarpa</i> Variants for Bioethanol Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2162-2168. | 6.7 | 100 |
| 57 | Genetic analysis of <i>Physcomitrella patens</i> identifies ABSCISIC ACID NON-RESPONSIVE (ANR), a regulator of ABA responses unique to basal land plants and required for desiccation tolerance. <i>Plant Cell</i> , 2016, 28, tpc.00091.2016. | 6.6 | 98 |
| 58 | Post-fire aspen seedling recruitment across the Yellowstone (USA) Landscape. <i>Landscape Ecology</i> , 2003, 18, 127-140. | 4.2 | 97 |
| 59 | Drought resistance of two hybrid <i>Populus</i> clones grown in a large-scale plantation. <i>Tree Physiology</i> , 1998, 18, 653-658. | 3.1 | 96 |
| 60 | Advances and perspectives on the use of CRISPR/Cas9 systems in plant genomics research. <i>Current Opinion in Plant Biology</i> , 2016, 30, 70-77. | 7.1 | 94 |
| 61 | Toward low-cost biological and hybrid biological/catalytic conversion of cellulosic biomass to fuels. <i>Energy and Environmental Science</i> , 2022, 15, 938-990. | 30.8 | 93 |
| 62 | A 34K SNP genotyping array for <i>Populus trichocarpa</i> : Design, application to the study of natural populations and transferability to other <i>Populus</i> species. <i>Molecular Ecology Resources</i> , 2013, 13, 306-323. | 4.8 | 92 |
| 63 | Abiotic Stresses Shift Belowground <i>Populus</i> -Associated Bacteria Toward a Core Stress Microbiome. <i>MSystems</i> , 2018, 3, . | 3.8 | 89 |
| 64 | Highly Efficient Isolation of <i>Populus</i> Mesophyll Protoplasts and Its Application in Transient Expression Assays. <i>PLoS ONE</i> , 2012, 7, e44908. | 2.5 | 89 |
| 65 | ESTABLISHMENT, PERSISTENCE, AND GROWTH OF ASPEN (<i>POPULUS TREMULOIDES</i>) SEEDLINGS IN YELLOWSTONE NATIONAL PARK. <i>Ecology</i> , 2005, 86, 404-418. | 3.2 | 88 |
| 66 | Poplar breeding and testing strategies in the north-central U.S.: Demonstration of potential yield and consideration of future research needs. <i>Forestry Chronicle</i> , 2001, 77, 245-253. | 0.6 | 86 |
| 67 | A study of poplar organosolv lignin after melt rheology treatment as carbon fiber precursors. <i>Green Chemistry</i> , 2016, 18, 5015-5024. | 9.0 | 85 |
| 68 | Multitrait genome-wide association analysis of <i>Populus trichocarpa</i> identifies key polymorphisms controlling morphological and physiological traits. <i>New Phytologist</i> , 2019, 223, 293-309. | 7.3 | 85 |
| 69 | Insights of biomass recalcitrance in natural <i>Populus trichocarpa</i> variants for biomass conversion. <i>Green Chemistry</i> , 2017, 19, 5467-5478. | 9.0 | 82 |
| 70 | Genetic relatedness and female spatial organization in a solitary carnivore, the raccoon, <i>Procyon lotor</i> . <i>Molecular Ecology</i> , 2002, 11, 1115-1124. | 3.9 | 80 |
| 71 | A willow sex chromosome reveals convergent evolution of complex palindromic repeats. <i>Genome Biology</i> , 2020, 21, 38. | 8.8 | 74 |
| 72 | Genome-wide analysis of lectin receptor-like kinases in <i>Populus</i> . <i>BMC Genomics</i> , 2016, 17, 699. | 2.8 | 72 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | A physical map of the highly heterozygous <i>Populus</i> genome: integration with the genome sequence and genetic map and analysis of haplotype variation. <i>Plant Journal</i> , 2007, 50, 1063-1078. | 5.7 | 70 |
| 74 | <i>Populus trichocarpa</i> and <i>Populus deltoides</i> Exhibit Different Metabolomic Responses to Colonization by the Symbiotic Fungus <i>Laccaria bicolor</i> . <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 546-556. | 2.6 | 69 |
| 75 | Within tree variability of lignin composition in <i>Populus</i> . <i>Wood Science and Technology</i> , 2008, 42, 649-661. | 3.2 | 68 |
| 76 | Analysis of 4,664 high-quality sequence-finished poplar full-length cDNA clones and their utility for the discovery of genes responding to insect feeding. <i>BMC Genomics</i> , 2008, 9, 57. | 2.8 | 68 |
| 77 | Newly identified helper bacteria stimulate ectomycorrhizal formation in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 579. | 3.6 | 68 |
| 78 | A host plant genome (<i>Zizania latifolia</i>) after a century-long endophyte infection. <i>Plant Journal</i> , 2015, 83, 600-609. | 5.7 | 67 |
| 79 | Genetic and physical mapping of <i>Melampsora</i> rust resistance genes in <i>Populus</i> and characterization of linkage disequilibrium and flanking genomic sequence. <i>New Phytologist</i> , 2004, 164, 95-105. | 7.3 | 66 |
| 80 | Short-rotation woody crop systems, atmospheric carbon dioxide and carbon management: A U.S. case study. <i>Forestry Chronicle</i> , 2001, 77, 259-264. | 0.6 | 65 |
| 81 | Knockdown of a laccase in <i>Populus deltoides</i> confers altered cell wall chemistry and increased sugar release. <i>Plant Biotechnology Journal</i> , 2016, 14, 2010-2020. | 8.3 | 64 |
| 82 | Diel rewiring and positive selection of ancient plant proteins enabled evolution of CAM photosynthesis in <i>Agave</i> . <i>BMC Genomics</i> , 2018, 19, 588. | 2.8 | 64 |
| 83 | Chemical, ultrastructural and supramolecular analysis of tension wood in <i>Populus tremula x alba</i> as a model substrate for reduced recalcitrance. <i>Energy and Environmental Science</i> , 2011, 4, 4962. | 30.8 | 61 |
| 84 | Revisiting the sequencing of the first tree genome: <i>Populus trichocarpa</i> . <i>Tree Physiology</i> , 2013, 33, 357-364. | 3.1 | 61 |
| 85 | Metabolic profiling reveals altered sugar and secondary metabolism in response to UGPase overexpression in <i>Populus</i> . <i>BMC Plant Biology</i> , 2014, 14, 265. | 3.6 | 61 |
| 86 | New technologies accelerate the exploration of non-coding RNAs in horticultural plants. <i>Horticulture Research</i> , 2017, 4, 17031. | 6.3 | 61 |
| 87 | Association mapping, transcriptomics, and transient expression identify candidate genes mediating plant-pathogen interactions in a tree. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11573-11578. | 7.1 | 61 |
| 88 | Characterization of a large sex determination region in <i>Salix purpurea</i> L. (Salicaceae). <i>Molecular Genetics and Genomics</i> , 2018, 293, 1437-1452. | 2.1 | 61 |
| 89 | Structural changes of lignins in natural <i>Populus</i> variants during different pretreatments. <i>Bioresource Technology</i> , 2020, 295, 122240. | 9.6 | 61 |
| 90 | Two High-Throughput Techniques for Determining Wood Properties as Part of a Molecular Genetics Analysis of Hybrid Poplar and Loblolly Pine. <i>Applied Biochemistry and Biotechnology</i> , 1999, 77, 55-66. | 2.9 | 60 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Metabolic functions of <i>Pseudomonas fluorescens</i> strains from <i>Populus deltoides</i> depend on rhizosphere or endosphere isolation compartment. <i>Frontiers in Microbiology</i> , 2015, 6, 1118. | 3.5 | 60 |
| 92 | <i>Sphagnum</i> physiology in the context of changing climate: emergent influences of genomics, modelling and host-microbiome interactions on understanding ecosystem function. <i>Plant, Cell and Environment</i> , 2015, 38, 1737-1751. | 5.7 | 60 |
| 93 | Climate-resilient agroforestry: physiological responses to climate change and engineering of crassulacean acid metabolism (CAM) as a mitigation strategy. <i>Plant, Cell and Environment</i> , 2015, 38, 1833-1849. | 5.7 | 59 |
| 94 | A 5-Enolpyruvylshikimate 3-Phosphate Synthase Functions as a Transcriptional Repressor in <i>Populus</i> . <i>Plant Cell</i> , 2018, 30, 1645-1660. | 6.6 | 56 |
| 95 | Network-based integration of systems genetics data reveals pathways associated with lignocellulosic biomass accumulation and processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1195-1200. | 7.1 | 55 |
| 96 | Annotation and comparative analysis of the glycoside hydrolase genes in <i>Brachypodium distachyon</i> . <i>BMC Genomics</i> , 2010, 11, 600. | 2.8 | 53 |
| 97 | Challenges of the utilization of wood polymers: how can they be overcome?. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 1525-1536. | 3.6 | 52 |
| 98 | Fungal Endophytes of <i>Populus trichocarpa</i> Alter Host Phenotype, Gene Expression, and Rhizobiome Composition. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 853-864. | 2.6 | 52 |
| 99 | Phenotypic variation and quantitative trait locus identification for osmotic potential in an interspecific hybrid inbred F2 poplar pedigree grown in contrasting environments. <i>Tree Physiology</i> , 2006, 26, 595-604. | 3.1 | 50 |
| 100 | Genome-wide identification of lineage-specific genes in <i>Arabidopsis</i> , <i>Oryza</i> and <i>Populus</i> . <i>Genomics</i> , 2009, 93, 473-480. | 2.9 | 50 |
| 101 | The obscure events contributing to the evolution of an incipient sex chromosome in <i>Populus</i> : a retrospective working hypothesis. <i>Tree Genetics and Genomes</i> , 2012, 8, 559-571. | 1.6 | 50 |
| 102 | Hardwood Tree Genomics: Unlocking Woody Plant Biology. <i>Frontiers in Plant Science</i> , 2018, 9, 1799. | 3.6 | 50 |
| 103 | Comparative analysis of the transcriptomes of <i>Populus trichocarpa</i> and <i>Arabidopsis thaliana</i> suggests extensive evolution of gene expression regulation in angiosperms. <i>New Phytologist</i> , 2008, 180, 408-420. | 7.3 | 49 |
| 104 | Synthetic biology as it relates to CAM photosynthesis: challenges and opportunities. <i>Journal of Experimental Botany</i> , 2014, 65, 3381-3393. | 4.8 | 49 |
| 105 | Phylogenetic Occurrence of the Phenylpropanoid Pathway and Lignin Biosynthesis in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 704697. | 3.6 | 49 |
| 106 | Identification of quantitative trait loci affecting ectomycorrhizal symbiosis in an interspecific F1 poplar cross and differential expression of genes in ectomycorrhizas of the two parents: <i>Populus deltoides</i> and <i>Populus trichocarpa</i> . <i>Tree Genetics and Genomes</i> , 2011, 7, 617-627. | 1.6 | 48 |
| 107 | Highly variable SSR markers in Douglas-fir: Mendelian inheritance and map locations. <i>Theoretical and Applied Genetics</i> , 2004, 108, 873-880. | 3.6 | 47 |
| 108 | Multiple levers for overcoming the recalcitrance of lignocellulosic biomass. <i>Biotechnology for Biofuels</i> , 2019, 12, 15. | 6.2 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Clonal and seasonal differences in leaf osmotic potential and organic solutes of five hybrid poplar clones grown under field conditions. <i>Tree Physiology</i> , 1998, 18, 645-652. | 3.1 | 46 |
| 110 | MicroSyn: A user friendly tool for detection of microsynteny in a gene family. <i>BMC Bioinformatics</i> , 2011, 12, 79. | 2.6 | 46 |
| 111 | Genomic aspects of research involving polyploid plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 104, 387-397. | 2.3 | 45 |
| 112 | The nature of the progression of drought stress drives differential metabolomic responses in <i>Populus deltoides</i> . <i>Annals of Botany</i> , 2019, 124, 617-626. | 2.9 | 45 |
| 113 | Transgenic Poplar Designed for Biofuels. <i>Trends in Plant Science</i> , 2020, 25, 881-896. | 8.8 | 45 |
| 114 | Identification of candidate genes in <i>Arabidopsis</i> and <i>Populus</i> cell wall biosynthesis using text-mining, co-expression network analysis and comparative genomics. <i>Plant Science</i> , 2011, 181, 675-687. | 3.6 | 44 |
| 115 | Defining the Boundaries and Characterizing the Landscape of Functional Genome Expression in Vascular Tissues of <i>Populus</i> using Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2012, 11, 449-460. | 3.7 | 44 |
| 116 | The Development of Two Flanking SCAR Markers Linked to a Sex Determination Locus in <i>Salix viminalis</i> L., 2003, 94, 185-189. | | 42 |
| 117 | Poplar Genomics: State of the Science. <i>Critical Reviews in Plant Sciences</i> , 2009, 28, 285-308. | 5.7 | 42 |
| 118 | Mediation of plant-mycorrhizal interaction by a lectin receptor-like kinase. <i>Nature Plants</i> , 2019, 5, 676-680. | 9.3 | 42 |
| 119 | Characterization of Transposable Elements in the Ectomycorrhizal Fungus <i>Laccaria bicolor</i> . <i>PLoS ONE</i> , 2012, 7, e40197. | 2.5 | 38 |
| 120 | Qualitative and quantitative resistances to leaf rust finely mapped within two nucleotide-binding site leucine-rich repeat (NBS-LRR)-rich genomic regions of chromosome 19 in poplar. <i>New Phytologist</i> , 2011, 192, 151-163. | 7.3 | 37 |
| 121 | 3D Chemical Image using TOF-SIMS Revealing the Biopolymer Component Spatial and Lateral Distributions in Biomass. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12005-12008. | 13.8 | 36 |
| 122 | Identification of quantitative trait loci and candidate genes for cadmium tolerance in <i>Populus</i> . <i>Tree Physiology</i> , 2012, 32, 626-638. | 3.1 | 36 |
| 123 | <i>Populus trichocarpa</i> encodes small, effector-like secreted proteins that are highly induced during mutualistic symbiosis. <i>Scientific Reports</i> , 2017, 7, 382. | 3.3 | 36 |
| 124 | Clonal differences in biomass characteristics, coppice ability, and biomass prediction equations among four <i>Populus</i> clones grown in eastern North Dakota. <i>Canadian Journal of Forest Research</i> , 1992, 22, 348-354. | 1.7 | 34 |
| 125 | Microsatellite primer resource for <i>Populus</i> developed from the mapped sequence scaffolds of the Nisqually genome. <i>New Phytologist</i> , 2009, 181, 498-503. | 7.3 | 34 |
| 126 | Transcriptional and Post-transcriptional Regulation of Lignin Biosynthesis Pathway Genes in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 652. | 3.6 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Prime Editing Technology and Its Prospects for Future Applications in Plant Biology Research. <i>BioDesign Research</i> , 2020, 2020, . | 1.9 | 34 |
| 128 | CRISPR/Cas9-mediated targeted mutagenesis for functional genomics research of crassulacean acid metabolism plants. <i>Journal of Experimental Botany</i> , 2019, 70, 6621-6629. | 4.8 | 33 |
| 129 | A genetic linkage map for the ectomycorrhizal fungus <i>Laccaria bicolor</i> and its alignment to the whole-genome sequence assemblies. <i>New Phytologist</i> , 2008, 180, 316-328. | 7.3 | 32 |
| 130 | Down-Regulation of KORRIGAN-Like Endo-1,4-Glucanase Genes Impacts Carbon Partitioning, Mycorrhizal Colonization and Biomass Production in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1455. | 3.6 | 32 |
| 131 | Pleiotropic and Epistatic Network-Based Discovery: Integrated Networks for Target Gene Discovery. <i>Frontiers in Energy Research</i> , 2018, 6, . | 2.3 | 32 |
| 132 | Can exascale computing and explainable artificial intelligence applied to plant biology deliver on the United Nations sustainable development goals?. <i>Current Opinion in Biotechnology</i> , 2020, 61, 217-225. | 6.6 | 32 |
| 133 | A New Calmodulin-Binding Protein Expresses in the Context of Secondary Cell Wall Biosynthesis and Impacts Biomass Properties in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1669. | 3.6 | 31 |
| 134 | A microarray-based genotyping and genetic mapping approach for highly heterozygous outcrossing species enables localization of a large fraction of the unassembled <i>Populus trichocarpa</i> genome sequence. <i>Plant Journal</i> , 2009, 58, 1054-1067. | 5.7 | 30 |
| 135 | Cytogenetic Analysis of <i>Populus trichocarpa</i> : Ribosomal DNA, Telomere Repeat Sequence, and Marker-selected BACs. <i>Cytogenetic and Genome Research</i> , 2009, 125, 74-80. | 1.1 | 30 |
| 136 | Comparative analysis of GT14/GT14-like gene family in <i>Arabidopsis</i> , <i>Oryza</i> , <i>Populus</i> , <i>Sorghum</i> and <i>Vitis</i> . <i>Plant Science</i> , 2011, 181, 688-695. | 3.6 | 29 |
| 137 | Natural genetic variability reduces recalcitrance in poplar. <i>Biotechnology for Biofuels</i> , 2016, 9, 106. | 6.2 | 29 |
| 138 | Micropropagation of <i>Populus trichocarpa</i> "Nisqually-1": the genotype deriving the <i>Populus</i> reference genome. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 99, 251-257. | 2.3 | 28 |
| 139 | High Throughput Screening Technologies in Biomass Characterization. <i>Frontiers in Energy Research</i> , 2018, 6, . | 2.3 | 28 |
| 140 | PdWND3A, a wood-associated NAC domain-containing protein, affects lignin biosynthesis and composition in <i>Populus</i> . <i>BMC Plant Biology</i> , 2019, 19, 486. | 3.6 | 28 |
| 141 | Morphophysiological traits as markers for the early selection of conifer genetic families. <i>Canadian Journal of Forest Research</i> , 1992, 22, 1001-1008. | 1.7 | 27 |
| 142 | Defining the genetic components of callus formation: A GWAS approach. <i>PLoS ONE</i> , 2018, 13, e0202519. | 2.5 | 27 |
| 143 | Overexpression of a serine hydroxymethyltransferase increases biomass production and reduces recalcitrance in the bioenergy crop <i>Populus</i> . <i>Sustainable Energy and Fuels</i> , 2019, 3, 195-207. | 4.9 | 27 |
| 144 | Technoeconomic and life-cycle analysis of single-step catalytic conversion of wet ethanol into fungible fuel blendstocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12576-12583. | 7.1 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Putting the Pieces Together: High-performance LC-MS/MS Provides Network-, Pathway-, and Protein-level Perspectives in Populus. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 106-119. | 3.8 | 26 |
| 146 | Characterization of DWARF14 Genes in Populus. <i>Scientific Reports</i> , 2016, 6, 21593. | 3.3 | 26 |
| 147 | Overexpression of a Domain of Unknown Function 231-containing protein increases O-xylan acetylation and cellulose biosynthesis in Populus. <i>Biotechnology for Biofuels</i> , 2017, 10, 311. | 6.2 | 26 |
| 148 | Mycorrhizal symbionts of Populus to be sequenced by the United States Department of Energy's Joint Genome Institute. <i>Mycorrhiza</i> , 2004, 14, 63-64. | 2.8 | 25 |
| 149 | Bioinformatics-Based Identification of Candidate Genes from QTLs Associated with Cell Wall Traits in Populus. <i>Bioenergy Research</i> , 2010, 3, 172-182. | 3.9 | 25 |
| 150 | Initial characterization of shade avoidance response suggests functional diversity between <i>Populus</i> phytochrome B genes. <i>New Phytologist</i> , 2012, 196, 726-737. | 7.3 | 25 |
| 151 | Functional Genomics of Drought Tolerance in Bioenergy Crops. <i>Critical Reviews in Plant Sciences</i> , 2014, 33, 205-224. | 5.7 | 25 |
| 152 | Comparative sequence analysis between orthologous regions of the <i>Arabidopsis</i> and <i>Populus</i> genomes reveals substantial synteny and microcollinearity. <i>Canadian Journal of Forest Research</i> , 2003, 33, 2245-2251. | 1.7 | 24 |
| 153 | Strigolactone-Regulated Proteins Revealed by iTRAQ-Based Quantitative Proteomics in <i>Arabidopsis</i> . <i>Journal of Proteome Research</i> , 2014, 13, 1359-1372. | 3.7 | 24 |
| 154 | Overexpression of an Agave Phosphoenolpyruvate Carboxylase Improves Plant Growth and Stress Tolerance. <i>Cells</i> , 2021, 10, 582. | 4.1 | 24 |
| 155 | Genetic variation in postfire aspen seedlings in Yellowstone National Park. <i>Molecular Ecology</i> , 1999, 8, 1769-1780. | 3.9 | 23 |
| 156 | Efficiency of gene silencing in <i>Arabidopsis</i> : direct inverted repeats vs. transitive RNAi vectors. <i>Plant Biotechnology Journal</i> , 2007, 5, 615-626. | 8.3 | 23 |
| 157 | Conservation and Diversification of Circadian Rhythmicity Between a Model Crassulacean Acid Metabolism Plant <i>Kalanchoe fedtschenkoi</i> and a Model C3 Photosynthesis Plant <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1757. | 3.6 | 23 |
| 158 | Characterization of MORE AXILLARY GROWTH Genes in Populus. <i>PLoS ONE</i> , 2014, 9, e102757. | 2.5 | 23 |
| 159 | Characterization of cellulose structure of <i>Populus</i> plants modified in candidate cellulose biosynthesis genes. <i>Biomass and Bioenergy</i> , 2016, 94, 146-154. | 5.7 | 22 |
| 160 | Overexpression of a Domain of Unknown Function 266-containing protein results in high cellulose content, reduced recalcitrance, and enhanced plant growth in the bioenergy crop <i>Populus</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 74. | 6.2 | 22 |
| 161 | Agronomic performance of <i>Populus deltoides</i> trees engineered for biofuel production. <i>Biotechnology for Biofuels</i> , 2017, 10, 253. | 6.2 | 22 |
| 162 | Marker-aided selection in a backcross breeding program for resistance to chestnut blight in the American chestnut. <i>Canadian Journal of Forest Research</i> , 1992, 22, 1031-1035. | 1.7 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | PtWOX11 acts as master regulator conducting the expression of key transcription factors to induce de novo shoot organogenesis in poplar. <i>Plant Molecular Biology</i> , 2018, 98, 389-406. | 3.9 | 21 |
| 164 | Comparative genomics can provide new insights into the evolutionary mechanisms and gene function in CAM plants. <i>Journal of Experimental Botany</i> , 2019, 70, 6539-6547. | 4.8 | 21 |
| 165 | Genome-Wide Association Study of Wood Anatomical and Morphological Traits in <i>Populus trichocarpa</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 545748. | 3.6 | 21 |
| 166 | Differential Detection of Genetic Loci Underlying Stem and Root Lignin Content in <i>Populus</i> . <i>PLoS ONE</i> , 2010, 5, e14021. | 2.5 | 20 |
| 167 | Genome Anchored QTLs for Biomass Productivity in Hybrid <i>Populus</i> Grown under Contrasting Environments. <i>PLoS ONE</i> , 2013, 8, e54468. | 2.5 | 20 |
| 168 | An innovative platform for quick and flexible joining of assorted DNA fragments. <i>Scientific Reports</i> , 2016, 6, 19278. | 3.3 | 20 |
| 169 | Effects of Biomass Accessibility and Klason Lignin Contents during Consolidated Bioprocessing in <i>Populus trichocarpa</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5075-5081. | 6.7 | 20 |
| 170 | Understanding the influences of different pretreatments on recalcitrance of <i>Populus</i> natural variants. <i>Bioresource Technology</i> , 2018, 265, 75-81. | 9.6 | 20 |
| 171 | Multi-Phenotype Association Decomposition: Unraveling Complex Gene-Phenotype Relationships. <i>Frontiers in Genetics</i> , 2019, 10, 417. | 2.3 | 20 |
| 172 | Population-level approaches reveal novel aspects of lignin biosynthesis, content, composition and structure. <i>Current Opinion in Biotechnology</i> , 2019, 56, 250-257. | 6.6 | 20 |
| 173 | Advances and perspectives in discovery and functional analysis of small secreted proteins in plants. <i>Horticulture Research</i> , 2021, 8, 130. | 6.3 | 20 |
| 174 | Genetic variation and spatial structure in sugar maple (<i>Acer saccharum</i> Marsh.) and implications for predicted global-scale environmental change. <i>Global Change Biology</i> , 2000, 6, 335-344. | 9.5 | 19 |
| 175 | Sequencing and Analysis of the Sex Determination Region of <i>Populus trichocarpa</i> . <i>Genes</i> , 2020, 11, 843. | 2.4 | 19 |
| 176 | An Improved Approach for Mapping Quantitative Trait Loci in a Pseudo-Testcross: Revisiting a Poplar Mapping Study. <i>Bioinformatics and Biology Insights</i> , 2010, 4, BBI.S4153. | 2.0 | 18 |
| 177 | Perspectives on the basic and applied aspects of crassulacean acid metabolism (CAM) research. <i>Plant Science</i> , 2018, 274, 394-401. | 3.6 | 18 |
| 178 | Investigating the correlation of biomass recalcitrance with pyrolysis oil using poplar as the feedstock. <i>Bioresource Technology</i> , 2019, 289, 121589. | 9.6 | 18 |
| 179 | Expanding the application of a UV-visible reporter for transient gene expression and stable transformation in plants. <i>Horticulture Research</i> , 2021, 8, 234. | 6.3 | 18 |
| 180 | Polymix breeding with paternity analysis in <i>Populus</i> : a test for differential reproductive success (DRS) among pollen donors. <i>Tree Genetics and Genomes</i> , 2006, 2, 53-60. | 1.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Assessment of <i>Populus</i> wood chemistry following the introduction of a Bt toxin gene. <i>Tree Physiology</i> , 2006, 26, 557-564. | 3.1 | 17 |
| 182 | Quantitative proteome profile of water deficit stress responses in eastern cottonwood (<i>Populus</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 7 | 2.5 | 17 |
| 183 | Identification of <i>Populus</i> Small RNAs Responsive to Mutualistic Interactions With Mycorrhizal Fungi, <i>Laccaria bicolor</i> and <i>Rhizophagus irregularis</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 515. | 3.5 | 17 |
| 184 | Engineering Tree Seasonal Cycles of Growth Through Chromatin Modification. <i>Frontiers in Plant Science</i> , 2019, 10, 412. | 3.6 | 17 |
| 185 | Overexpression of a <i>Prefoldin Î²</i> subunit gene reduces biomass recalcitrance in the bioenergy crop <i>Populus</i> . <i>Plant Biotechnology Journal</i> , 2020, 18, 859-871. | 8.3 | 17 |
| 186 | <i>Arabidopsis</i> C-terminal binding protein <i>ANGUSTIFOLIA</i> modulates transcriptional co-regulation of <i>MYB46</i> and <i>WRKY33</i> . <i>New Phytologist</i> , 2020, 228, 1627-1639. | 7.3 | 17 |
| 187 | Potential applications of molecular markers for genetic analysis of host-pathogen systems in forest trees. <i>Canadian Journal of Forest Research</i> , 1992, 22, 1036-1043. | 1.7 | 16 |
| 188 | Biosystems Design to Accelerate C ₃ -to-CAM Progression. <i>Biodesign Research</i> , 2020, 2020, . | 1.9 | 16 |
| 189 | Plant Biosystems Design Research Roadmap 1.0. <i>Biodesign Research</i> , 2020, 2020, . | 1.9 | 16 |
| 190 | Data Integration in Poplar: Omics Layers and Integration Strategies. <i>Frontiers in Genetics</i> , 2019, 10, 874. | 2.3 | 15 |
| 191 | Characterization of microsatellites in the coding regions of the <i>Populus</i> genome. <i>Molecular Breeding</i> , 2011, 27, 59-66. | 2.1 | 14 |
| 192 | Quantitative trait locus mapping of <i>Populus</i> bark features and stem diameter. <i>BMC Plant Biology</i> , 2017, 17, 224. | 3.6 | 14 |
| 193 | Towards engineering ectomycorrhization into switchgrass bioenergy crops via a lectin receptor-like kinase. <i>Plant Biotechnology Journal</i> , 2021, 19, 2454-2468. | 8.3 | 14 |
| 194 | Using marker-aided selection to improve tree growth response to abiotic stress. <i>Canadian Journal of Forest Research</i> , 1992, 22, 1018-1030. | 1.7 | 13 |
| 195 | From systems biology to photosynthesis and whole-plant physiology. <i>Plant Signaling and Behavior</i> , 2012, 7, 260-262. | 2.4 | 13 |
| 196 | Finding New Cell Wall Regulatory Genes in <i>Populus trichocarpa</i> Using Multiple Lines of Evidence. <i>Frontiers in Plant Science</i> , 2019, 10, 1249. | 3.6 | 13 |
| 197 | Genome-wide association studies of bark texture in <i>Populus trichocarpa</i> . <i>Tree Genetics and Genomes</i> , 2019, 15, 1. | 1.6 | 13 |
| 198 | Economic impact of yield and composition variation in bioenergy crops: <i>Populus trichocarpa</i> . <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 176-188. | 3.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Method of Extracting Genomic DNA from Non-Germinated Gymnosperm and Angiosperm Pollen. <i>BioTechniques</i> , 1997, 22, 390-394. | 1.8 | 12 |
| 200 | Evolution and divergence in the coding and promoter regions of the <i>Populus</i> gene family encoding xyloglucan endotransglycosylase/hydrolases. <i>Tree Genetics and Genomes</i> , 2012, 8, 177-194. | 1.6 | 12 |
| 201 | Simultaneous knockdown of six non-family genes using a single synthetic RNAi fragment in <i>Arabidopsis thaliana</i> . <i>Plant Methods</i> , 2016, 12, 16. | 4.3 | 12 |
| 202 | Poplar Genome Microarrays. , 2011, , 112-127. | | 12 |
| 203 | Development of AFLP and RAPD markers linked to a locus associated with twisted growth in corkscrew willow (<i>Salix matsudana</i> 'Tortuosa'). <i>Tree Physiology</i> , 2007, 27, 1575-1583. | 3.1 | 11 |
| 204 | Wavelet-Based Genomic Signal Processing for Centromere Identification and Hypothesis Generation. <i>Frontiers in Genetics</i> , 2019, 10, 487. | 2.3 | 11 |
| 205 | Light-responsive expression atlas reveals the effects of light quality and intensity in <i>Kalanchoë fedtschenkoi</i> , a plant with crassulacean acid metabolism. <i>GigaScience</i> , 2020, 9, . | 6.4 | 11 |
| 206 | Report on the Forest Trees Workshop at the Plant and Animal Genome Conference. <i>Comparative and Functional Genomics</i> , 2003, 4, 229-238. | 2.0 | 10 |
| 207 | Solar input and energy storage in a five-year-old American sycamore plantation. <i>Forest Ecology and Management</i> , 1982, 4, 191-198. | 3.2 | 9 |
| 208 | Moving Away from the Reference Genome: Evaluating a Peptide Sequencing Tagging Approach for Single Amino Acid Polymorphism Identifications in the Genus <i>Populus</i> . <i>Journal of Proteome Research</i> , 2013, 12, 3642-3651. | 3.7 | 9 |
| 209 | A Variable Polyglutamine Repeat Affects Subcellular Localization and Regulatory Activity of a <i>Populus</i> ANGUSTIFOLIA Protein. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2631-2641. | 1.8 | 9 |
| 210 | The Ancient Salicoid Genome Duplication Event: A Platform for Reconstruction of De Novo Gene Evolution in <i>Populus trichocarpa</i> . <i>Genome Biology and Evolution</i> , 2021, 13, . | 2.5 | 9 |
| 211 | An Intein-Mediated Split-Cas9 System for Base Editing in Plants. <i>ACS Synthetic Biology</i> , 2022, 11, 2513-2517. | 3.8 | 9 |
| 212 | Comparative Genomics Analysis Provides New Insight Into Molecular Basis of Stomatal Movement in <i>Kalanchoë fedtschenkoi</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 292. | 3.6 | 8 |
| 213 | Analysis of sex-linked, sequence-characterized amplified region markers in <i>Salix eriocephala</i> . <i>Canadian Journal of Forest Research</i> , 2003, 33, 1785-1790. | 1.7 | 7 |
| 214 | <i>Populus</i> Community Mega-Genomics: Coming of Age. <i>Critical Reviews in Plant Sciences</i> , 2009, 28, 282-284. | 5.7 | 7 |
| 215 | Evolutionary analyses of non-family genes in plants. <i>Plant Journal</i> , 2013, 73, 788-797. | 5.7 | 7 |
| 216 | China-U.S. workshop on biotechnology of bioenergy plants. <i>Ecotoxicology</i> , 2010, 19, 1-3. | 2.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Integrating mRNA and Protein Sequencing Enables the Detection and Quantitative Profiling of Natural Protein Sequence Variants of <i>Populus trichocarpa</i> . <i>Journal of Proteome Research</i> , 2015, 14, 5318-5326. | 3.7 | 6 |
| 218 | The unexpected malleability of lignin. <i>Nature Plants</i> , 2019, 5, 128-128. | 9.3 | 6 |
| 219 | Accurate determination of genotypic variance of cell wall characteristics of <i>Populus trichocarpa</i> pedigree using high-throughput pyrolysis-molecular beam mass spectrometry. <i>Biotechnology for Biofuels</i> , 2021, 14, 59. | 6.2 | 6 |
| 220 | Transcriptome and Degradome Profiling Reveals a Role of miR530 in the Circadian Regulation of Gene Expression in <i>Kalanchoë marnieriana</i> . <i>Cells</i> , 2021, 10, 1526. | 4.1 | 5 |
| 221 | Biological Parts for Plant Biodesign to Enhance Land-Based Carbon Dioxide Removal. <i>Biodesign Research</i> , 2021, 2021, . | 1.9 | 5 |
| 222 | Scaling nitrogen and carbon interactions: what are the consequences of biological buffering?. <i>Ecology and Evolution</i> , 2015, 5, 2839-2850. | 1.9 | 4 |
| 223 | Identification of functional single nucleotide polymorphism of <i>Populus trichocarpa</i> PtrEPSPâ€”F and determination of its transcriptional effect. <i>Plant Direct</i> , 2020, 4, e00178. | 1.9 | 4 |
| 224 | Classification of Complete Proteomes of Different Organisms and Protein Sets Based on Their Protein Distributions in Terms of Some Key Attributes of Proteins. <i>International Journal of Genomics</i> , 2018, 2018, 1-12. | 1.6 | 3 |
| 225 | Auxin Signaling and Response Mechanisms and Roles in Plant Growth and Development. , 2011, , 231-254. | | 3 |
| 226 | Heterospecific Neighbor Plants Impact Root Microbiome Diversity and Molecular Function of Root Fungi. <i>Frontiers in Microbiology</i> , 2021, 12, 680267. | 3.5 | 3 |
| 227 | Expression of Inoculum and Family Specific Responses in the Ponderosa Pine-Western Gall Rust Pathosystem. <i>Plant Disease</i> , 1997, 81, 57-62. | 1.4 | 2 |
| 228 | A Suggestion of Converting Protein Intrinsic Disorder to Structural Entropy Using Shannonâ€™s Information Theory. <i>Entropy</i> , 2019, 21, 591. | 2.2 | 2 |
| 229 | Inference of Gene Regulatory Network Uncovers the Linkage between Circadian Clock and Crassulacean Acid Metabolism in <i>Kalanchoë fedtschenkoi</i> . <i>Cells</i> , 2021, 10, 2217. | 4.1 | 2 |
| 230 | Extending the Arabidopsis flowering paradigm to a mass flowering phenomenon in the tropics. <i>Molecular Ecology</i> , 2013, 22, 4603-4605. | 3.9 | 1 |
| 231 | Diversity and conservation of plant small secreted proteins associated with arbuscular mycorrhizal symbiosis. <i>Horticulture Research</i> , 2022, 9, . | 6.3 | 1 |
| 232 | Cover Image, Volume 15, Issue 1. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, i. | 3.7 | 0 |
| 233 | The <i>Populus</i> Genome Sequence. , 2011, , 85-111. | | 0 |