

Liang Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

472
citations

759233

12
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752698

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31
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31
docs citations

31
times ranked

418
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Graph Convolutional Sparse Subspace Coclustering With Nonnegative Orthogonal Factorization for Large Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16. | 6.3 | 5 |
| 2 | LncRNA PMATâ€PtoMYB46 module represses PtoMATE and PtoARF2 promoting Pb ²⁺ uptake and plant growth in poplar. <i>Journal of Hazardous Materials</i> , 2022, 433, 128769. | 12.4 | 12 |
| 3 | Transcriptome analysis and association mapping reveal the genetic regulatory network response to cadmium stress in <i>Populus tomentosa</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 576-591. | 4.8 | 21 |
| 4 | MicroRNA775 regulates intrinsic leaf size and reduces cell wall pectin levels by targeting a galactosyltransferase gene in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2021, 33, 581-602. | 6.6 | 22 |
| 5 | Genetic Architecture Underlying the Metabolites of Chlorogenic Acid Biosynthesis in <i>Populus tomentosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2386. | 4.1 | 7 |
| 6 | Genome-wide association studies reveal the coordinated regulatory networks underlying photosynthesis and wood formation in <i>Populus</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 5372-5389. | 4.8 | 12 |
| 7 | Genetic architecture of the metabolic pathway of salicylic acid biosynthesis in <i>Populus</i> . <i>Tree Physiology</i> , 2021, 41, 2198-2215. | 3.1 | 13 |
| 8 | Association Study and Mendelian Randomization Analysis Reveal Effects of the Genetic Interaction Between PtoMIR403b and PtoGT31B-1 on Wood Formation in <i>Populus tomentosa</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 704941. | 3.6 | 2 |
| 9 | Genetic Architecture and Genome-Wide Adaptive Signatures Underlying Stem Lenticel Traits in <i>Populus tomentosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9249. | 4.1 | 3 |
| 10 | Multi-omics analysis provides insights into genetic architecture of flavonoid metabolites in <i>Populus</i> . <i>Industrial Crops and Products</i> , 2021, 168, 113612. | 5.2 | 7 |
| 11 | Pyramiding superior haplotypes and epistatic alleles to accelerate wood quality and yield improvement in poplar breeding. <i>Industrial Crops and Products</i> , 2021, 171, 113891. | 5.2 | 7 |
| 12 | Genetic dissection of the gene coexpression network underlying photosynthesis in <i>Populus</i> . <i>Plant Biotechnology Journal</i> , 2020, 18, 1015-1026. | 8.3 | 21 |
| 13 | Linkage disequilibrium dissection of the epigenetic quantitative trait loci (epiQTLs) underlying growth and wood properties in <i>Populus</i> . <i>New Phytologist</i> , 2020, 225, 1218-1233. | 7.3 | 25 |
| 14 | Genetic interactions among Pto-miR319 family members and their targets influence growth and wood properties in <i>Populus tomentosa</i> . <i>Molecular Genetics and Genomics</i> , 2020, 295, 855-870. | 2.1 | 2 |
| 15 | Genetic architecture underlying the lignin biosynthesis pathway involves noncoding <i>scRNA</i> s and transcription factors for growth and wood properties in <i>Populus</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 302-315. | 8.3 | 54 |
| 16 | Time-specific and pleiotropic quantitative trait loci coordinately modulate stem growth in <i>Populus</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 608-624. | 8.3 | 34 |
| 17 | New Discovery of <i>Neocalamites</i> from the Upper Triassic Daheba Formation in West Qinling, Northwest China. <i>Acta Geologica Sinica</i> , 2019, 93, 756-757. | 1.4 | 2 |
| 18 | Transcription factors involved in the regulatory networks governing the Calvinâ€Bensonâ€Bascham cycle. <i>Tree Physiology</i> , 2019, 39, 1159-1172. | 3.1 | 3 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Conserved noncoding sequences conserve biological networks and influence genome evolution. <i>Heredity</i> , 2018, 120, 437-451. | 2.6 | 13 |
| 20 | Method of Predicting Tight Gas Deliverability from Conventional Well Logging Data Based on Experimental Simulation. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2615-2623. | 3.0 | 2 |
| 21 | Genome-Wide Association Studies to Improve Wood Properties: Challenges and Prospects. <i>Frontiers in Plant Science</i> , 2018, 9, 1912. | 3.6 | 34 |
| 22 | Association Genetics in Populus Reveal the Allelic Interactions of Pto-MIR167a and Its Targets in Wood Formation. <i>Frontiers in Plant Science</i> , 2018, 9, 744. | 3.6 | 14 |
| 23 | Allelic Interactions among Pto-MIR475b and Its Four Target Genes Potentially Affect Growth and Wood Properties in Populus. <i>Frontiers in Plant Science</i> , 2017, 8, 1055. | 3.6 | 9 |
| 24 | Comparative study of models for predicting permeability from nuclear magnetic resonance (NMR) logs in two Chinese tight sandstone reservoirs. <i>Acta Geophysica</i> , 2014, 62, 116-141. | 2.0 | 40 |
| 25 | Estimation of Saturation Exponent from Nuclear Magnetic Resonance (NMR) Logs in Low Permeability Reservoirs. <i>Applied Magnetic Resonance</i> , 2013, 44, 333-347. | 1.2 | 13 |
| 26 | Estimation of Permeability by Integrating Nuclear Magnetic Resonance (NMR) Logs with Mercury Injection Capillary Pressure (MICP) Data in Tight Gas Sands. <i>Applied Magnetic Resonance</i> , 2013, 44, 449-468. | 1.2 | 73 |
| 27 | The direct repeat sequence upstream of Bacillus chitinase genes is cis-acting elements that negatively regulate heterologous expression in E. coli. <i>Enzyme and Microbial Technology</i> , 2012, 50, 280-286. | 3.2 | 5 |
| 28 | Calculation of porosity from nuclear magnetic resonance and conventional logs in gas-bearing reservoirs. <i>Acta Geophysica</i> , 2012, 60, 1030-1042. | 2.0 | 15 |
| 29 | Study and Optimize the Process of Batch Small Files Replication. , 2008, , . | | 0 |