Liang Xiao

List of Publications by Year
in descending order

29	472	759233 12	752698 20
papers	citations	h-index	g-index

31	31	31	418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation of Permeability by Integrating Nuclear Magnetic Resonance (NMR) Logs with Mercury Injection Capillary Pressure (MICP) Data in Tight Gas Sands. Applied Magnetic Resonance, 2013, 44, 449-468.	1.2	73
2	Genetic architecture underlying the lignin biosynthesis pathway involves noncoding <scp>RNA</scp>s and transcription factors for growth and wood properties in Populus. Plant Biotechnology Journal, 2019, 17, 302-315.	8.3	54
3	Comparative study of models for predicting permeability from nuclear magnetic resonance (NMR) logs in two Chinese tight sandstone reservoirs. Acta Geophysica, 2014, 62, 116-141.	2.0	40
4	Genome-Wide Association Studies to Improve Wood Properties: Challenges and Prospects. Frontiers in Plant Science, 2018, 9, 1912.	3.6	34
5	Timeâ€specific and pleiotropic quantitative trait loci coordinately modulate stem growth in Populus. Plant Biotechnology Journal, 2019, 17, 608-624.	8.3	34
6	Linkageâ€linkage disequilibrium dissection of the epigenetic quantitative trait loci (epiQTLs) underlying growth and wood properties in Populus. New Phytologist, 2020, 225, 1218-1233.	7.3	25
7	MicroRNA775 regulates intrinsic leaf size and reduces cell wall pectin levels by targeting a galactosyltransferase gene in Arabidopsis. Plant Cell, 2021, 33, 581-602.	6.6	22
8	Genetic dissection of the gene coexpression network underlying photosynthesis in Populus. Plant Biotechnology Journal, 2020, 18, 1015-1026.	8.3	21
9	Transcriptome analysis and association mapping reveal the genetic regulatory network response to cadmium stress in Populus tomentosa. Journal of Experimental Botany, 2021, 72, 576-591.	4.8	21
10	Calculation of porosity from nuclear magnetic resonance and conventional logs in gas-bearing reservoirs. Acta Geophysica, 2012, 60, 1030-1042.	2.0	15
11	Association Genetics in Populus Reveal the Allelic Interactions of Pto-MIR167a and Its Targets in Wood Formation. Frontiers in Plant Science, 2018, 9, 744.	3.6	14
12	Estimation of Saturation Exponent from Nuclear Magnetic Resonance (NMR) Logs in Low Permeability Reservoirs. Applied Magnetic Resonance, 2013, 44, 333-347.	1.2	13
13	Conserved noncoding sequences conserve biological networks and influence genome evolution. Heredity, 2018, 120, 437-451.	2.6	13
14	Genetic architecture of the metabolic pathway of salicylic acid biosynthesis in Populus. Tree Physiology, 2021, 41, 2198-2215.	3.1	13
15	Genome-wide association studies reveal the coordinated regulatory networks underlying photosynthesis and wood formation in Populus. Journal of Experimental Botany, 2021, 72, 5372-5389.	4.8	12
16	LncRNA PMATâ€“PtoMYB46 module represses PtoMATE and PtoARF2 promoting Pb2+ uptake and plant growth in poplar. Journal of Hazardous Materials, 2022, 433, 128769.	12.4	12
17	Allelic Interactions among Pto-MIR475b and Its Four Target Genes Potentially Affect Growth and Wood Properties in Populus. Frontiers in Plant Science, 2017, 8, 1055.	3.6	9
18	Genetic Architecture Underlying the Metabolites of Chlorogenic Acid Biosynthesis in Populus tomentosa. International Journal of Molecular Sciences, 2021, 22, 2386.	4.1	7

#	Article	IF	Citations
19	Multi-omics analysis provides insights into genetic architecture of flavonoid metabolites in Populus. Industrial Crops and Products, 2021, 168, 113612.	5.2	7
20	Pyramiding superior haplotypes and epistatic alleles to accelerate wood quality and yield improvement in poplar breeding. Industrial Crops and Products, 2021, 171, 113891.	5.2	7
21	The direct repeat sequence upstream of Bacillus chitinase genes is cis-acting elements that negatively regulate heterologous expression in E. coli. Enzyme and Microbial Technology, 2012, 50, 280-286.	3.2	5
22	Graph Convolutional Sparse Subspace Coclustering With Nonnegative Orthogonal Factorization for Large Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	5
23	Transcription factors involved in the regulatory networks governing the Calvinâ€“Bensonâ€“Bassham cycle. Tree Physiology, 2019, 39, 1159-1172.	3.1	3
24	Genetic Architecture and Genome-Wide Adaptive Signatures Underlying Stem Lenticel Traits in Populus tomentosa. International Journal of Molecular Sciences, 2021, 22, 9249.	4.1	3
25	Method of Predicting Tight Gas Deliverability from Conventional Well Logging Data Based on Experimental Simulation. Arabian Journal for Science and Engineering, 2018, 43, 2615-2623.	3.0	2
26	New Discovery of Neocalamites from the Upper Triassic Daheba Formation in West Qinling, Northwest China. Acta Geologica Sinica, 2019, 93, 756-757.	1.4	2
27	Genetic interactions among Pto-miR319 family members and their targets influence growth and wood properties in Populus tomentosa. Molecular Genetics and Genomics, 2020, 295, 855-870.	2.1	2
28	Association Study and Mendelian Randomization Analysis Reveal Effects of the Genetic Interaction Between PtoMIR403b and PtoGT31B-1 on Wood Formation in Populus tomentosa. Frontiers in Plant Science, 2021, 12, 704941.	3.6	2
29	Study and Optimize the Process of Batch Small Files Replication. , 2008, , .		0