

Sara S Jawdy

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,265
citations

201674
27
h-index

223800
46
g-index

50
all docs

50
docs citations

50
times ranked

3382
citing authors

#	ARTICLE	IF	CITATIONS
1	Forest stand and canopy development unaltered by 12 years of CO ₂ enrichment*. Tree Physiology, 2022, 42, 428-440.	3.1	12
2	Development of an Experimental Approach to Achieve Spatially Resolved Plant Root-Associated Metaproteomics Using an Agar-Plate System. Molecular Plant-Microbe Interactions, 2022, 35, 639-649.	2.6	3
3	Habitat-adapted microbial communities mediate <i>Sphagnum</i> peatmoss resilience to warming. New Phytologist, 2022, 234, 2111-2125.	7.3	18
4	Cultivating the Bacterial Microbiota of <i>Populus</i> Roots. MSystems, 2021, 6, e0130620.	3.8	17
5	Overexpression of a <i>Prefoldin Î²</i> subunit gene reduces biomass recalcitrance in the bioenergy crop <i>Populus</i> . Plant Biotechnology Journal, 2020, 18, 859-871.	8.3	17
6	Identification of functional single nucleotide polymorphism of <i>Populus trichocarpa</i> PtrEPSPâ€” and determination of its transcriptional effect. Plant Direct, 2020, 4, e00178.	1.9	4
7	Mediation of plant-mycorrhizal interaction by a lectin receptor-like kinase. Nature Plants, 2019, 5, 676-680.	9.3	42
8	Relatively rare root endophytic bacteria drive plant resource allocation patterns and tissue nutrient concentration in unpredictable ways. American Journal of Botany, 2019, 106, 1423-1434.	1.7	9
9	Overexpression of a serine hydroxymethyltransferase increases biomass production and reduces recalcitrance in the bioenergy crop <i>Populus</i> . Sustainable Energy and Fuels, 2019, 3, 195-207.	4.9	27
10	Identification of <i>Populus</i> Small RNAs Responsive to Mutualistic Interactions With Mycorrhizal Fungi, <i>Laccaria bicolor</i> and <i>Rhizophagus irregularis</i> . Frontiers in Microbiology, 2019, 10, 515.	3.5	17
11	The nature of the progression of drought stress drives differential metabolomic responses in <i>Populus deltoides</i> . Annals of Botany, 2019, 124, 617-626.	2.9	45
12	The Ectomycorrhizal Fungus <i>Laccaria bicolor</i> Produces Lipochitooligosaccharides and Uses the Common Symbiosis Pathway to Colonize <i>Populus</i> Roots. Plant Cell, 2019, 31, 2386-2410.	6.6	73
13	Abiotic Stresses Shift Belowground <i>Populus</i> -Associated Bacteria Toward a Core Stress Microbiome. MSystems, 2018, 3, .	3.8	89
14	Phytobiome and Transcriptional Adaptation of <i>Populus deltoides</i> to Acute Progressive Drought and Cyclic Drought. Phytobiomes Journal, 2018, 2, 249-260.	2.7	23
15	A New Calmodulin-Binding Protein Expresses in the Context of Secondary Cell Wall Biosynthesis and Impacts Biomass Properties in <i>Populus</i> . Frontiers in Plant Science, 2018, 9, 1669.	3.6	31
16	Association mapping, transcriptomics, and transient expression identify candidate genes mediating plant-pathogen interactions in a tree. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11573-11578.	7.1	61
17	A Variable Polyglutamine Repeat Affects Subcellular Localization and Regulatory Activity of a <i>Populus</i> ANGUSTIFOLIA Protein. G3: Genes, Genomes, Genetics, 2018, 8, 2631-2641.	1.8	9
18	Genome-wide association studies and expression-based quantitative trait loci analyses reveal roles of <i>HCT2</i> in caffeoylquinic acid biosynthesis and its regulation by defense-responsive transcription factors in <i>Populus</i> . New Phytologist, 2018, 220, 502-516.	7.3	112

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19	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
20	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
21	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
22	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
23	<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
24	Overexpression of a Domain of Unknown Function 231-containing protein increases O-xylan acetylation and cellulose biosynthesis in <i>Populus</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 311.	6.2	26
25	A Carotenoid-Deficient Mutant in <i>Pantoea</i> sp. YR343, a Bacteria Isolated from the Rhizosphere of <i>Populus deltoides</i> , Is Defective in Root Colonization. <i>Frontiers in Microbiology</i> , 2016, 7, 491.	3.5	48
26	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
27	Down-Regulation of KORRIGAN-Like Endo- β -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
28	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
29	Genome-wide analysis of lectin receptor-like kinases in <i>Populus</i> . <i>BMC Genomics</i> , 2016, 17, 699.	2.8	72
30	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
31	Root bacterial endophytes alter plant phenotype, but not physiology. <i>PeerJ</i> , 2016, 4, e2606.	2.0	64
32	Scaling nitrogen and carbon interactions: what are the consequences of biological buffering?. <i>Ecology and Evolution</i> , 2015, 5, 2839-2850.	1.9	4
33	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
34	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
35	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
36	Leaf endophytes and <i>Populus</i> genotype affect severity of damage from the necrotrophic leaf pathogen, <i>Drepanopeziza populi</i> . <i>Ecosphere</i> , 2013, 4, 1-12.	2.2	35

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37	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
38	<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
39	Chemical, ultrastructural and supramolecular analysis of tension wood in <i>Populus tremula</i> x <i>alba</i> as a model substrate for reduced recalcitrance. <i>Energy and Environmental Science</i> , 2011, 4, 4962.	30.8	61
40	Comparative physiology and transcriptional networks underlying the heat shock response in <i>Populus trichocarpa</i> , <i>Arabidopsis thaliana</i> and <i>Glycine max</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 1488-1506.	5.7	71
41	Discovery and annotation of small proteins using genomics, proteomics, and computational approaches. <i>Genome Research</i> , 2011, 21, 634-641.	5.5	105
42	Auxin Signaling and Response Mechanisms and Roles in Plant Growth and Development. , 2011, , 231-254.		3
43	Bioinformatics-Based Identification of Candidate Genes from QTLs Associated with Cell Wall Traits in <i>Populus</i> . <i>Bioenergy Research</i> , 2010, 3, 172-182.	3.9	25
44	Apoplast proteome reveals that extracellular matrix contributes to multistress response in poplar. <i>BMC Genomics</i> , 2010, 11, 674.	2.8	70
45	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
46	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
47	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
48	Leaf dynamics of a deciduous forest canopy: no response to elevated CO ₂ . <i>Oecologia</i> , 2003, 136, 574-584.	2.0	106