Darla Janine Sherrier

List of Publications by Year
in descending order

21 papers	2,742 citations	516710 16 h-index	839539 18 g-index
22 all docs	22 docs citations	22 times ranked	4411 citing authors

#	Article	IF	Citations
1	The Medicago genome provides insight into the evolution of rhizobial symbioses. Nature, 2011, 480, 520-524.	27.8	1,166
2	MicroRNAs as master regulators of the plant <i>NB-LRR</i> defense gene family via the production of phased, <i>trans</i>-acting siRNAs. Genes and Development, 2011, 25, 2540-2553.	5.9	668
3	A putative transporter is essential for integrating nutrient and hormone signaling with lateral root growth and nodule development in<i>Medicago truncatula</i>. Plant Journal, 2010, 62, 100-112.	5.7	112
4	Prediction of novel miRNAs and associated target genes in Glycine max. BMC Bioinformatics, 2010, 11, S14.	2.6	108
5	Medicago truncatula syntaxin SYP132 defines the symbiosome membrane and infection droplet membrane in root nodules. Planta, 2007, 225, 541-550.	3.2	103
6	A perspective on inter-kingdom signaling in plantâ€"beneficial microbe interactions. Plant Molecular Biology, 2016, 90, 537-548.	3.9	97
7	An Optical Clearing Technique for Plant Tissues Allowing Deep Imaging and Compatible with Fluorescence Microscopy Â Â. Plant Physiology, 2014, 166, 1684-1687.	4.8	83
8	Functional Assessment of the <i>Medicago truncatula</i> NIP/LATD Protein Demonstrates That It Is a High-Affinity Nitrate Transporter Â Â. Plant Physiology, 2012, 160, 906-916.	4.8	75
9	MicroRNAs in the Rhizobia Legume Symbiosis. Plant Physiology, 2009, 151, 1002-1008.	4.8	63
10	A natural rice rhizospheric bacterium abates arsenic accumulation in rice (Oryza sativa L.). Planta, 2015, 242, 1037-1050.	3.2	63
11	Recruitment of Novel Calcium-Binding Proteins for Root Nodule Symbiosis in Medicago truncatula Â Â Â. Plant Physiology, 2006, 141, 167-177.	4.8	52
12	Identification and functional characterization of soybean root hair micro<scp>RNA</scp>s expressed in response to <i><scp>B</scp>radyrhizobium japonicum</i> infection. Plant Biotechnology Journal, 2016, 14, 332-341.	8.3	40
13	The Pea Nodule Environment Restores the Ability of a Rhizobium leguminosarum Lipopolysaccharide acpXL Mutant To Add 27-Hydroxyoctacosanoic Acid to Its Lipid A. Journal of Bacteriology, 2006, 188, 2126-2133.	2.2	30
14	The Lipopolysaccharide Lipid A Long-Chain Fatty Acid Is Important for <i>Rhizobium leguminosarum</i> Growth and Stress Adaptation in Free-Living and Nodule Environments. Molecular Plant-Microbe Interactions, 2017, 30, 161-175.	2.6	29
15	An <i>acpXL</i> Mutant of Rhizobium leguminosarum bv. phaseoli Lacks 27-Hydroxyoctacosanoic Acid in Its Lipid A and Is Developmentally Delayed during Symbiotic Infection of the Determinate Nodulating Host Plant Phaseolus vulgaris. Journal of Bacteriology, 2011, 193, 4766-4778.	2.2	24
16	Transcription of <i>ENOD8</i> in <i>Medicago truncatula</i> Nodules Directs ENOD8 Esterase to Developing and Mature Symbiosomes. Molecular Plant-Microbe Interactions, 2008, 21, 404-410.	2.6	18
17	Allelic differences in<i><i>Medicago truncatula NIP/LATD</i></i>mutants correlate with their encoded proteinsâ€™ transport activities in planta. Plant Signaling and Behavior, 2013, 8, e22813.	2.4	10
18	Multi-Photon Microscopy as a Tool to Track Nematode Infection. Microscopy and Microanalysis, 2004, 10, 214-215.	0.4	1

#	Article	IF	Citations
19	High-throughput Analysis of Legume Root Nodule Development. Microscopy and Microanalysis, 2004, 10, 1440-1441.	0.4	0
20	Optimizing Workflows in Correlative Light and Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 1377-1378.	0.4	0
21	Correlative Array Tomography - from 2D towards 3D. Microscopy and Microanalysis, 2015, 21, 1567-1568.	0.4	0