

# Darla Janine Sherrier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10191996/publications.pdf>

Version: 2024-02-01

21  
papers

2,742  
citations

516681

16  
h-index

839512

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. <i>Nature</i> , 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, trans-acting siRNAs. <i>Genes and Development</i> , 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> . <i>Plant Journal</i> , 2010, 62, 100-112.	5.7	112
4	Prediction of novel miRNAs and associated target genes in <i>Glycine max</i> . <i>BMC Bioinformatics</i> , 2010, 11, S14.	2.6	108
5	<i>Medicago truncatula</i> syntaxin SYP132 defines the symbiosome membrane and infection droplet membrane in root nodules. <i>Planta</i> , 2007, 225, 541-550.	3.2	103
6	A perspective on inter-kingdom signaling in plant-beneficial microbe interactions. <i>Plant Molecular Biology</i> , 2016, 90, 537-548.	3.9	97
7	An Optical Clearing Technique for Plant Tissues Allowing Deep Imaging and Compatible with Fluorescence Microscopy. <i>Plant Physiology</i> , 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. <i>Plant Physiology</i> , 2012, 160, 906-916.	4.8	75
9	MicroRNAs in the Rhizobia Legume Symbiosis. <i>Plant Physiology</i> , 2009, 151, 1002-1008.	4.8	63
10	A natural rice rhizospheric bacterium abates arsenic accumulation in rice ( <i>Oryza sativa</i> L.). <i>Planta</i> , 2015, 242, 1037-1050.	3.2	63
11	Recruitment of Novel Calcium-Binding Proteins for Root Nodule Symbiosis in <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2006, 141, 167-177.	4.8	52
12	Identification and functional characterization of soybean root hair microRNA <sub>s</sub> expressed in response to <i>Bradyrhizobium japonicum</i> infection. <i>Plant Biotechnology Journal</i> , 2016, 14, 332-341.	8.3	40
13	The Pea Nodule Environment Restores the Ability of a <i>Rhizobium leguminosarum</i> Lipopolysaccharide acpXL Mutant To Add 27-Hydroxyoctacosanoic Acid to Its Lipid A. <i>Journal of Bacteriology</i> , 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. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 161-175.	2.6	29
15	An <i>acpXL</i> Mutant of <i>Rhizobium leguminosarum</i> bv. <i>phaseoli</i> Lacks 27-Hydroxyoctacosanoic Acid in Its Lipid A and Is Developmentally Delayed during Symbiotic Infection of the Determinate Nodulating Host Plant <i>Phaseolus vulgaris</i> . <i>Journal of Bacteriology</i> , 2011, 193, 4766-4778.	2.2	24
16	Transcription of <i>ENOD8</i> in <i>Medicago truncatula</i> Nodules Directs <i>ENOD8</i> Esterase to Developing and Mature Symbiosomes. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 404-410.	2.6	18
17	Allelic differences in <i>Medicago truncatula</i> NIP/LATD mutants correlate with their encoded proteins' transport activities in planta. <i>Plant Signaling and Behavior</i> , 2013, 8, e22813.	2.4	10
18	Multi-Photon Microscopy as a Tool to Track Nematode Infection. <i>Microscopy and Microanalysis</i> , 2004, 10, 214-215.	0.4	1

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