

Senthil Subramanian

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,621
citations

23
h-index

51
g-index

53
ext. papers

3,180
ext. citations

5
avg, IF

4.92
L-index

#	Paper	IF	Citations
47	Surface Properties and Adherence of Bradyrhizobium diazoefficiens to Glycine max Roots Are Altered When Grown in Soil Extracted Nutrients. <i>Nitrogen</i> , 2021 , 2, 461-473	1.8	0
46	Integrative Analysis of Gene Expression and miRNAs Reveal Biological Pathways Associated with Bud Paradormancy and Endodormancy in Grapevine. <i>Plants</i> , 2021 , 10,	4.5	2
45	Gene regulatory networks associated with lateral root and nodule development in soybean. <i>In Silico Plants</i> , 2020 , 2,	3.2	2
44	Intercropping kura clover with prairie cordgrass mitigates soil greenhouse gas fluxes. <i>Scientific Reports</i> , 2020 , 10, 7334	4.9	6
43	Biomass Production of Prairie Cordgrass (<i>Spartina pectinata</i> Link.) Using Urea and Kura Clover (<i>Trifolium ambiguum</i> Bieb.) as a Source of Nitrogen. <i>Bioenergy Research</i> , 2020 , 13, 1095-1107	3.1	1
42	Lateral Root and Nodule Transcriptomes of Soybean. <i>Data</i> , 2019 , 4, 64	2.3	3
41	Harnessing Soil Microbes to Improve Plant Phosphate Efficiency in Cropping Systems. <i>Agronomy</i> , 2019 , 9, 127	3.6	24
40	A simple and sensitive SYBR Gold-based assay to quantify DNA-protein interactions. <i>Plant Molecular Biology</i> , 2019 , 101, 499-506	4.6	
39	GmZPR3d Interacts with GmHD-ZIP III Proteins and Regulates Soybean Root and Nodule Vascular Development. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
38	Single-Cell RNA Sequencing of Plant-Associated Bacterial Communities. <i>Frontiers in Microbiology</i> , 2019 , 10, 2452	5.7	6
37	Soil microbial community structure and enzymatic activity responses to nitrogen management and landscape positions in switchgrass (<i>Panicum virgatum</i> L.). <i>GCB Bioenergy</i> , 2019 , 11, 836-851	5.6	26
36	Little RNAs Go a Long Way: Long-Distance Signaling by MicroRNAs. <i>Molecular Plant</i> , 2019 , 12, 18-20	14.4	4
35	Quantitative 3D imaging of cell level auxin and cytokinin response ratios in soybean roots and nodules. <i>Plant, Cell and Environment</i> , 2018 , 41, 2080-2092	8.4	13
34	Genome-Wide Identification of Drought Response Genes in Soybean Seedlings and Development of Biomarkers for Early Diagnoses. <i>Plant Molecular Biology Reporter</i> , 2018 , 36, 350-362	1.7	3
33	Hairy Root Composite Plant Systems in Root-Microbe Interaction Research 2017 , 17-44		2
32	Root isoflavonoids and hairy root transformation influence key bacterial taxa in the soybean rhizosphere. <i>Environmental Microbiology</i> , 2017 , 19, 1391-1406	5.2	24
31	Nodule-Enriched GRETCHEN HAGEN 3 Enzymes Have Distinct Substrate Specificities and Are Important for Proper Soybean Nodule Development. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	8

30	A toolbox of genes, proteins, metabolites and promoters for improving drought tolerance in soybean includes the metabolite coumestrol and stomatal development genes. <i>BMC Genomics</i> , 2016 , 17, 102	4.5	61
29	Optimization and Application of a Quantitative Polymerase Chain Reaction Assay to Detect Diaporthe Species in Soybean Plant Tissue. <i>Plant Disease</i> , 2016 , 100, 1669-1676	1.5	4
28	Spatio Temporal Influence of Isoflavonoids on Bacterial Diversity in the Soybean Rhizosphere. <i>Molecular Plant-Microbe Interactions</i> , 2015 , 28, 22-9	3.6	20
27	microRNA160 dictates stage-specific auxin and cytokinin sensitivities and directs soybean nodule development. <i>Plant Journal</i> , 2015 , 84, 140-53	6.9	85
26	Isolation of Rhizosphere Bacterial Communities from Soil. <i>Bio-protocol</i> , 2015 , 5,	0.9	12
25	TOPOISOMERASE 6B is involved in chromatin remodelling associated with control of carbon partitioning into secondary metabolites and cell walls, and epidermal morphogenesis in Arabidopsis. <i>Journal of Experimental Botany</i> , 2014 , 65, 4217-39	7	4
24	First Report of Sudden Death Syndrome of Soybean Caused by Fusarium virguliforme in South Dakota. <i>Plant Disease</i> , 2014 , 98, 1012	1.5	6
23	Overexpression of miR160 affects root growth and nitrogen-fixing nodule number in Medicago truncatula. <i>Functional Plant Biology</i> , 2013 , 40, 1208-1220	2.7	68
22	Ectopic expression of miR160 results in auxin hypersensitivity, cytokinin hyposensitivity, and inhibition of symbiotic nodule development in soybean. <i>Plant Physiology</i> , 2013 , 162, 2042-55	6.6	138
21	Hairpin priming is better suited than in vitro polyadenylation to generate cDNA for plant miRNA qPCR. <i>Molecular Plant</i> , 2013 , 6, 229-31	14.4	10
20	miR393 and miR164 influence indeterminate but not determinate nodule development. <i>Plant Signaling and Behavior</i> , 2013 , 8, doi: 10.4161/psb.26753	2.5	33
19	Optimizing stem-loop qPCR assays through multiplexed cDNA synthesis of U6 and miRNAs. <i>Plant Signaling and Behavior</i> , 2013 , 8,	2.5	33
18	Identification, nomenclature, and evolutionary relationships of mitogen-activated protein kinase (MAPK) genes in soybean. <i>Evolutionary Bioinformatics</i> , 2013 , 9, 363-86	1.9	39
17	Genome organization and characteristics of soybean microRNAs. <i>BMC Genomics</i> , 2012 , 13, 169	4.5	63
16	microRNA Regulation of Symbiotic Nodule Development in Legumes. <i>Signaling and Communication in Plants</i> , 2012 , 177-195	1	1
15	Misexpression of miR482, miR1512, and miR1515 increases soybean nodulation. <i>Plant Physiology</i> , 2010 , 153, 1759-70	6.6	140
14	Distinct changes in soybean xylem sap proteome in response to pathogenic and symbiotic microbe interactions. <i>BMC Plant Biology</i> , 2009 , 9, 119	5.3	46
13	Flavones and flavonols play distinct critical roles during nodulation of Medicago truncatula by Sinorhizobium meliloti. <i>Plant Journal</i> , 2009 , 57, 171-83	6.9	190

12	Novel and nodulation-regulated microRNAs in soybean roots. <i>BMC Genomics</i> , 2008 , 9, 160	4.5	248
11	Flavone synthases from <i>Medicago truncatula</i> are flavanone-2-hydroxylases and are important for nodulation. <i>Plant Physiology</i> , 2007 , 144, 741-51	6.6	80
10	RNAi silencing of genes for elicitation or biosynthesis of 5-deoxyisoflavonoids suppresses race-specific resistance and hypersensitive cell death in <i>Phytophthora sojae</i> infected tissues. <i>Plant Physiology</i> , 2007 , 144, 728-40	6.6	90
9	Distinct, crucial roles of flavonoids during legume nodulation. <i>Trends in Plant Science</i> , 2007 , 12, 282-5	13.1	186
8	Endogenous isoflavones are essential for the establishment of symbiosis between soybean and <i>Bradyrhizobium japonicum</i> . <i>Plant Journal</i> , 2006 , 48, 261-73	6.9	204
7	RNA interference of soybean isoflavone synthase genes leads to silencing in tissues distal to the transformation site and to enhanced susceptibility to <i>Phytophthora sojae</i> . <i>Plant Physiology</i> , 2005 , 137, 1345-53	6.6	184
6	Partial reconstruction of flavonoid and isoflavonoid biosynthesis in yeast using soybean type I and type II chalcone isomerases. <i>Plant Physiology</i> , 2005 , 137, 1375-88	6.6	175
5	The promoters of two isoflavone synthase genes respond differentially to nodulation and defense signals in transgenic soybean roots. <i>Plant Molecular Biology</i> , 2004 , 54, 623-39	4.6	83
4	Harlequin (hlq) and short blue root (sbr), two <i>Arabidopsis</i> mutants that ectopically express an abscisic acid- and auxin-inducible transgenic carrot promoter and have pleiotropic effects on morphogenesis. <i>Plant Molecular Biology</i> , 2002 , 49, 93-105	4.6	9
3	Modulation of abscisic acid signal transduction and biosynthesis by an Sm-like protein in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2001 , 1, 771-81	10.2	277
2	Quantitative Amplification of Cleaved Ends (qACE) to assay miRNA-directed target cleavage. <i>F1000Research</i> , 3 , 240	3.6	3
1	Quantitative Amplification of Cleaved Ends (qACE) to assay miRNA-directed target cleavage. <i>F1000Research</i> , 3 , 240	3.6	