Senjuti Sinharoy

List of Publications by Year
in descending order

26 papers	2,605 citations	471477 17 h-index	610883 24 g-index
32 all docs	32 docs citations	32 times ranked	3826 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	The genome sequence of segmental allotetraploid peanut Arachis hypogaea. Nature Genetics, 2019, 51, 877-884.	21.4	439
3	CRISPR-Cas9 system: A new-fangled dawn in gene editing. Life Sciences, 2019, 232, 116636.	4.3	160
4	PlantTFcat: an online plant transcription factor and transcriptional regulator categorization and analysis tool. BMC Bioinformatics, 2013, 14, 321.	2.6	119
5	The C₂H₂ Transcription Factor REGULATOR OF SYMBIOSOME DIFFERENTIATION Represses Transcription of the Secretory Pathway Gene <i>VAMP721a</i> and Promotes Symbiosome Development in <i>Medicago truncatula</i>. Plant Cell, 2013, 25, 3584-3601.	6.6	109
6	MtSWEET11, a Nodule-Specific Sucrose Transporter of <i>Medicago truncatula</i>. Plant Physiology, 2016, 171, 554-565.	4.8	101
7	Global analysis of the MATE gene family of metabolite transporters in tomato. BMC Plant Biology, 2017, 17, 185.	3.6	64
8	A <i>Medicago truncatula</i> Cystathionine-Î²-Synthase-like Domain-Containing Protein Is Required for Rhizobial Infection and Symbiotic Nitrogen Fixation. Plant Physiology, 2016, 170, 2204-2217.	4.8	55
9	An Iron-Activated Citrate Transporter, MtMATE67, Is Required for Symbiotic Nitrogen Fixation. Plant Physiology, 2018, 176, 2315-2329.	4.8	55
10	Transformed Hairy Roots of <i>Arachis hypogea</i>: A Tool for Studying Root Nodule Symbiosis in a Nonâ€"Infection Thread Legume of the Aeschynomeneae Tribe. Molecular Plant-Microbe Interactions, 2009, 22, 132-142.	2.6	53
11	Rootâ€specific expression of chickpea cytokinin oxidase/dehydrogenase 6 leads to enhanced root growth, drought tolerance and yield without compromising nodulation. Plant Biotechnology Journal, 2020, 18, 2225-2240.	8.3	46
12	A Snapshot of Functional Genetic Studies in Medicago truncatula. Frontiers in Plant Science, 2016, 7, 1175.	3.6	39
13	RNA Interference Highlights the Role of CCaMK in Dissemination of Endosymbionts in the Aeschynomeneae Legume Arachis. Molecular Plant-Microbe Interactions, 2009, 22, 1466-1475.	2.6	33
14	A Tripartite Interaction among the Basidiomycete <i>Rhodotorula mucilaginosa</i>, N₂-Fixing Endobacteria, and Rice Improves Plant Nitrogen Nutrition. Plant Cell, 2020, 32, 486-507.	6.6	29
15	Autophosphorylation of gatekeeper tyrosine by symbiosis receptor kinase. FEBS Letters, 2013, 587, 2972-2979.	2.8	25
16	Keel petal incision: a simple and efficient method for genetic crossing in Medicago truncatula. Plant Methods, 2014, 10, 11.	4.3	21
17	The Nodule-Specific PLAT Domain Protein NPD1 Is Required for Nitrogen-Fixing Symbiosis. Plant Physiology, 2019, 180, 1480-1497.	4.8	20
18	Drought Stress Exacerbates Fungal Colonization and Endodermal Invasion and Dampens Defense Responses to Increase Dry Root Rot in Chickpea. Molecular Plant-Microbe Interactions, 2022, 35, 583-591.	2.6	18

#	Article	IF	Citations
19	A Toolbox for Nodule Development Studies in Chickpea: A Hairy-Root Transformation Protocol and an Efficient Laboratory Strain of<i>Mesorhizobium</i>sp.. Molecular Plant-Microbe Interactions, 2019, 32, 367-378.	2.6	16
20	A High-Throughput RNA Interference (RNAi)-Based Approach Using Hairy Roots for the Study of Plantâ€"Rhizobia Interactions. Methods in Molecular Biology, 2015, 1287, 159-178.	0.9	11
21	Microscopic and Transcriptomic Analyses of Dalbergoid Legume Peanut Reveal a Divergent Evolution Leading to Nod-Factor-Dependent Epidermal Crack-Entry and Terminal Bacteroid Differentiation. Molecular Plant-Microbe Interactions, 2022, 35, 131-145.	2.6	11
22	Root Nodule Development in Model Versus Non-canonical Plants. , 2019, , 397-428.		5
23	Optimization of Hairy Root Transformation for the Functional Genomics in Chickpea: A Platform for Nodule Developmental Studies. Methods in Molecular Biology, 2020, 2107, 335-348.	0.9	4
24	An Improvised Hairy Root Transformation Method for Efficient Gene Silencing in Roots and Nodules of Arachis hypogaea. Methods in Molecular Biology, 2022, 2408, 303-316.	0.9	3
25	Transcriptional Networks in Medicago truncatula: Genomic and Functional Overview During Root Nodule Symbiosis. Compendium of Plant Genomes, 2022, , 71-90.	0.5	1
26	Genome-wide identification of auxin response factors (ARFs) in three different species of Arachis. Plant Biotechnology Reports, 2021, 15, 229-239.	1.5	0