

# Senjuti Sinharoy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8293198/publications.pdf>

Version: 2024-02-01

26  
papers

2,605  
citations

471509

17  
h-index

610901

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. <i>Nature</i> , 2011, 480, 520-524.	27.8	1,166
2	The genome sequence of segmental allotetraploid peanut <i>Arachis hypogaea</i> . <i>Nature Genetics</i> , 2019, 51, 877-884.	21.4	439
3	CRISPR-Cas9 system: A new-fangled dawn in gene editing. <i>Life Sciences</i> , 2019, 232, 116636.	4.3	160
4	PlantTFcat: an online plant transcription factor and transcriptional regulator categorization and analysis tool. <i>BMC Bioinformatics</i> , 2013, 14, 321.	2.6	119
5	The C <sub>2</sub> H <sub>2</sub> 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> . <i>Plant Cell</i> , 2013, 25, 3584-3601.	6.6	109
6	MtSWEET11, a Nodule-Specific Sucrose Transporter of <i>Medicago truncatula</i> . <i>Plant Physiology</i> , 2016, 171, 554-565.	4.8	101
7	Global analysis of the MATE gene family of metabolite transporters in tomato. <i>BMC Plant Biology</i> , 2017, 17, 185.	3.6	64
8	A <i>Medicago truncatula</i> Cystathionine- $\beta$ -Synthase-like Domain-Containing Protein Is Required for Rhizobial Infection and Symbiotic Nitrogen Fixation. <i>Plant Physiology</i> , 2016, 170, 2204-2217.	4.8	55
9	An Iron-Activated Citrate Transporter, MtMATE67, Is Required for Symbiotic Nitrogen Fixation. <i>Plant Physiology</i> , 2018, 176, 2315-2329.	4.8	55
10	Transformed Hairy Roots of <i>Arachis hypogaea</i> : A Tool for Studying Root Nodule Symbiosis in a Non- $\alpha$ -Infection Thread Legume of the Aeschynomeneae Tribe. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 132-142.	2.6	53
11	Root-specific expression of chickpea cytokinin oxidase/dehydrogenase 6 leads to enhanced root growth, drought tolerance and yield without compromising nodulation. <i>Plant Biotechnology Journal</i> , 2020, 18, 2225-2240.	8.3	46
12	A Snapshot of Functional Genetic Studies in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1175.	3.6	39
13	RNA Interference Highlights the Role of CCaMK in Dissemination of Endosymbionts in the Aeschynomeneae Legume <i>Arachis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 1466-1475.	2.6	33
14	A Tripartite Interaction among the Basidiomycete <i>Rhodotorula mucilaginosa</i> , N <sub>2</sub> -Fixing Endobacteria, and Rice Improves Plant Nitrogen Nutrition. <i>Plant Cell</i> , 2020, 32, 486-507.	6.6	29
15	Autophosphorylation of gatekeeper tyrosine by symbiosis receptor kinase. <i>FEBS Letters</i> , 2013, 587, 2972-2979.	2.8	25
16	Keel petal incision: a simple and efficient method for genetic crossing in <i>Medicago truncatula</i> . <i>Plant Methods</i> , 2014, 10, 11.	4.3	21
17	The Nodule-Specific PLAT Domain Protein NPD1 Is Required for Nitrogen-Fixing Symbiosis. <i>Plant Physiology</i> , 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. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 583-591.	2.6	18

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19	A Toolbox for Nodule Development Studies in Chickpea: A Hairy-Root Transformation Protocol and an Efficient Laboratory Strain of <i>Mesorhizobium</i> sp.. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 367-378.	2.6	16
20	A High-Throughput RNA Interference (RNAi)-Based Approach Using Hairy Roots for the Study of Plant-Rhizobia Interactions. <i>Methods in Molecular Biology</i> , 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. <i>Molecular Plant-Microbe Interactions</i> , 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. <i>Methods in Molecular Biology</i> , 2020, 2107, 335-348.	0.9	4
24	An Improvised Hairy Root Transformation Method for Efficient Gene Silencing in Roots and Nodules of <i>Arachis hypogaea</i> . <i>Methods in Molecular Biology</i> , 2022, 2408, 303-316.	0.9	3
25	Transcriptional Networks in <i>Medicago truncatula</i> : Genomic and Functional Overview During Root Nodule Symbiosis. <i>Compendium of Plant Genomes</i> , 2022, , 71-90.	0.5	1
26	Genome-wide identification of auxin response factors (ARFs) in three different species of <i>Arachis</i> . <i>Plant Biotechnology Reports</i> , 2021, 15, 229-239.	1.5	0