

# Venugopala Gonehal

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,334  
citations

623734

14  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2242  
citing authors

#	ARTICLE	IF	CITATIONS
1	WUSCHEL protein movement mediates stem cell homeostasis in the <i>Arabidopsis</i> shoot apex. <i>Genes and Development</i> , 2011, 25, 2025-2030.	5.9	522
2	Real-time lineage analysis reveals oriented cell divisions associated with morphogenesis at the shoot apex of <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2004, 131, 4225-4237.	2.5	299
3	Gene expression map of the <i>Arabidopsis</i> shoot apical meristem stem cell niche. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4941-4946.	7.1	299
4	Stem-Cell Homeostasis and Growth Dynamics Can Be Uncoupled in the <i>Arabidopsis</i> Shoot Apex. <i>Science</i> , 2005, 310, 663-667.	12.6	240
5	Combined SHOOT MERISTEMLESS and WUSCHEL trigger ectopic organogenesis in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2002, 129, 3207-3217.	2.5	221
6	Plant stem cell maintenance involves direct transcriptional repression of differentiation program. <i>Molecular Systems Biology</i> , 2013, 9, 654.	7.2	126
7	WUSCHEL mediates stem cell homeostasis by regulating stem cell number and patterns of cell division and differentiation of stem cell progenitors. <i>Development (Cambridge)</i> , 2010, 137, 3581-3589.	2.5	118
8	A high-resolution gene expression map of the <i>Arabidopsis</i> shoot meristem stem cell niche. <i>Development (Cambridge)</i> , 2014, 141, 2735-2744.	2.5	110
9	Threshold-dependent transcriptional discrimination underlies stem cell homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6298-E6306.	7.1	109
10	DNA-dependent homodimerization, sub-cellular partitioning, and protein destabilization control WUSCHEL levels and spatial patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6307-E6315.	7.1	55
11	Live-imaging stem-cell homeostasis in the <i>Arabidopsis</i> shoot apex. <i>Current Opinion in Plant Biology</i> , 2008, 11, 88-93.	7.1	46
12	Unravelling developmental dynamics: transient intervention and live imaging in plants. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 491-501.	37.0	42
13	Cytokinin stabilizes WUSCHEL by acting on the protein domains required for nuclear enrichment and transcription. <i>PLoS Genetics</i> , 2018, 14, e1007351.	3.5	41
14	Automated tracking of stem cell lineages of <i>Arabidopsis</i> shoot apex using local graph matching. <i>Plant Journal</i> , 2010, 62, 135-147.	5.7	34
15	CLAVATA3 mediated simultaneous control of transcriptional and post-translational processes provides robustness to the WUSCHEL gradient. <i>Nature Communications</i> , 2021, 12, 6361.	12.8	16
16	Live-Imaging and Image Processing of Shoot Apical Meristems of <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2009, 553, 305-316.	0.9	15
17	Cell-Based Model of the Generation and Maintenance of the Shape and Structure of the Multilayered Shoot Apical Meristem of <i>Arabidopsis thaliana</i> . <i>Bulletin of Mathematical Biology</i> , 2019, 81, 3245-3281.	1.9	11
18	Pattern analysis of stem cell growth dynamics in the shoot apex of <i>Arabidopsis</i> . , 2010, , .		7

#	ARTICLE	IF	CITATIONS
19	Combined computational modeling and experimental analysis integrating chemical and mechanical signals suggests possible mechanism of shoot meristem maintenance. PLoS Computational Biology, 2022, 18, e1010199.	3.2	5
20	Cell Resolution 3D Reconstruction of Developing Multilayer Tissues from Sparsely Sampled Volumetric Microscopy Images. , 2011, , .		4
21	WUSCHEL-mediated cellular feedback network imparts robustness to stem cell homeostasis. Plant Signaling and Behavior, 2011, 6, 544-546.	2.4	4
22	Fluorescence Activated Cell Sorting of Shoot Apical Meristem Cell Types. Methods in Molecular Biology, 2014, 1110, 315-321.	0.9	4
23	Robust estimation of stem cell lineages using local graph matching. , 2009, , .		3
24	Deep Quantized Representation For Enhanced Reconstruction. , 2020, , .		2
25	Robust estimation of stem cell lineages using local graph matching. , 2009, , .		1
26	Shoot meristem maintenance and immune response signaling converge at the G protein $\beta$ subunit. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1842-1844.	7.1	0