

Elena Shpak

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,316
citations

394421

19
h-index

610901

24
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28
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28
docs citations

28
times ranked

2160
citing authors

#	ARTICLE	IF	CITATIONS
1	Initiation of aboveground organ primordia depends on combined action of auxin, <i>ERECTA</i> family genes, and PINOID. <i>Plant Physiology</i> , 2022, 190, 794-812.	4.8	4
2	<i>ERECTA</i> family signaling constrains <i>CLAVATA3</i> and <i>WUSCHEL</i> to the center of the shoot apical meristem. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	21
3	Editorial: Linking Stomatal Development and Physiology: From Stomatal Models to Non-model Species and Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 743964.	3.6	1
4	A mathematical model for understanding synergistic regulations and paradoxical feedbacks in the shoot apical meristem. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3877-3889.	4.1	7
5	EPFL Signals in the Boundary Region of the SAM Restrict Its Size and Promote Leaf Initiation. <i>Plant Physiology</i> , 2019, 179, 265-279.	4.8	39
6	Identification of critical functional residues of receptor-like kinase <i>ERECTA</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 1507-1518.	4.8	35
7	A receptor-like protein acts as a specificity switch for the regulation of stomatal development. <i>Genes and Development</i> , 2017, 31, 927-938.	5.9	97
8	The Role of <i>LORELEI</i> in Pollen Tube Reception at the Interface of the Synergid Cell and Pollen Tube Requires the Modified Eight-Cysteine Motif and the Receptor-Like Kinase <i>FÉRONIA</i> . <i>Plant Cell</i> , 2016, 28, 1035-1052.	6.6	90
9	A mutation in the catalytic subunit of the glycosylphosphatidylinositol transamidase disrupts growth, fertility and stomata formation in <i>Arabidopsis</i> .. <i>Plant Physiology</i> , 2016, 171, pp.00339.2016.	4.8	30
10	Carbon Nanofiber Arrays: A Novel Tool for Microdelivery of Biomolecules to Plants. <i>PLoS ONE</i> , 2016, 11, e0153621.	2.5	7
11	<i>ERECTA</i> family genes regulate development of cotyledons during embryogenesis. <i>FEBS Letters</i> , 2014, 588, 3912-3917.	2.8	20
12	Regulation of floral patterning and organ identity by <i>Arabidopsis</i> <i>ERECTA</i> -family receptor kinase genes. <i>Journal of Experimental Botany</i> , 2013, 64, 5323-5333.	4.8	64
13	Diverse Roles of <i>ERECTA</i> Family Genes in Plant Development. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 1238-1250.	8.5	132
14	<i>ERECTA</i> Family Genes Regulate Auxin Transport in the Shoot Apical Meristem and Forming Leaf Primordia. <i>Plant Physiology</i> , 2013, 162, 1978-1991.	4.8	65
15	Modification of tomato growth by expression of truncated <i>ERECTA</i> protein from <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 6493-6504.	4.8	60
16	Regulation of Plasmodesmatal Permeability and Stomatal Patterning by the Glycosyltransferase-Like Protein <i>KOBITO1</i> . <i>Plant Physiology</i> , 2012, 159, 156-168.	4.8	41
17	Patterns of Cell Division, Cell Differentiation and Cell Elongation in Epidermis and Cortex of <i>Arabidopsis</i> pedicels in the Wild Type and in <i>erecta</i> . <i>PLoS ONE</i> , 2012, 7, e46262.	2.5	20
18	The presence of multiple introns is essential for <i>ERECTA</i> expression in <i>Arabidopsis</i> . <i>Rna</i> , 2011, 17, 1907-1921.	3.5	56

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19	Haploinsufficiency after successive loss of signaling reveals a role for <i>ERECTA</i> -family genes in <i>Arabidopsis</i> ovule development. <i>Development (Cambridge)</i> , 2007, 134, 3099-3109.	2.5	97
20	Production of recombinant plant gum with tobacco cell culture in bioreactor and gum characterization. <i>Biotechnology and Bioengineering</i> , 2005, 90, 578-588.	3.3	28
21	Stomatal Patterning and Differentiation by Synergistic Interactions of Receptor Kinases. <i>Science</i> , 2005, 309, 290-293.	12.6	554
22	Di-isodityrosine Is the Intermolecular Cross-link of Isodityrosine-rich Extensin Analogs Cross-linked in Vitro. <i>Journal of Biological Chemistry</i> , 2004, 279, 55474-55482.	3.4	102
23	Synergistic interaction of three <i>ERECTA</i> -family receptor-like kinases controls <i>Arabidopsis</i> organ growth and flower development by promoting cell proliferation. <i>Development (Cambridge)</i> , 2004, 131, 1491-1501.	2.5	386
24	Dominant-Negative Receptor Uncovers Redundancy in the <i>Arabidopsis</i> <i>ERECTA</i> Leucine-Rich Repeat Receptor-Like Kinase Signaling Pathway That Regulates Organ Shape. <i>Plant Cell</i> , 2003, 15, 1095-1110.	6.6	224
25	Regulation of Inflorescence Architecture and Organ Shape by the <i>ERECTA</i> Gene in <i>Arabidopsis</i> . , 2003, , 153-164.		9
26	Contiguous Hydroxyproline Residues Direct Hydroxyproline Arabinosylation in <i>Nicotiana tabacum</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 11272-11278.	3.4	122