

Elena Shpak

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,316
citations

394421

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docs citations

28
times ranked

2160
citing authors

#	ARTICLE	IF	CITATIONS
1	Stomatal Patterning and Differentiation by Synergistic Interactions of Receptor Kinases. <i>Science</i> , 2005, 309, 290-293.	12.6	554
2	Synergistic interaction of three ERECTA-family receptor-like kinases controls Arabidopsis organ growth and flower development by promoting cell proliferation. <i>Development (Cambridge)</i> , 2004, 131, 1491-1501.	2.5	386
3	Dominant-Negative Receptor Uncovers Redundancy in the Arabidopsis ERECTA Leucine-Rich Repeat Receptor-Like Kinase Signaling Pathway That Regulates Organ Shape. <i>Plant Cell</i> , 2003, 15, 1095-1110.	6.6	224
4	Diverse Roles of ERECTA Family Genes in Plant Development. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 1238-1250.	8.5	132
5	Contiguous Hydroxyproline Residues Direct Hydroxyproline Arabinosylation in <i>Nicotiana tabacum</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 11272-11278.	3.4	122
6	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
7	Haploinsufficiency after successive loss of signaling reveals a role for ERECTA-family genes in Arabidopsis ovule development. <i>Development (Cambridge)</i> , 2007, 134, 3099-3109.	2.5	97
8	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
9	The Role of LORELEI 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 FERONIA. <i>Plant Cell</i> , 2016, 28, 1035-1052.	6.6	90
10	ERECTA 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
11	Regulation of floral patterning and organ identity by Arabidopsis ERECTA-family receptor kinase genes. <i>Journal of Experimental Botany</i> , 2013, 64, 5323-5333.	4.8	64
12	Modification of tomato growth by expression of truncated ERECTA protein from Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2012, 63, 6493-6504.	4.8	60
13	The presence of multiple introns is essential for ERECTA expression in Arabidopsis. <i>Rna</i> , 2011, 17, 1907-1921.	3.5	56
14	Regulation of Plasmodesmatal Permeability and Stomatal Patterning by the Glycosyltransferase-Like Protein KOBITO1. <i>Plant Physiology</i> , 2012, 159, 156-168.	4.8	41
15	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
16	Identification of critical functional residues of receptor-like kinase ERECTA. <i>Journal of Experimental Botany</i> , 2017, 68, 1507-1518.	4.8	35
17	A mutation in the catalytic subunit of the glycosylphosphatidylinositol transamidase disrupts growth, fertility and stomata formation in Arabidopsis. <i>Plant Physiology</i> , 2016, 171, pp.00339.2016.	4.8	30
18	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

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19	ERECTA 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
20	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
21	<i>ERECTA</i> family genes regulate development of cotyledons during embryogenesis. <i>FEBS Letters</i> , 2014, 588, 3912-3917.	2.8	20
22	Regulation of Inflorescence Architecture and Organ Shape by the <i>ERECTA</i> Gene in <i>Arabidopsis</i> . , 2003, , 153-164.		9
23	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
24	Carbon Nanofiber Arrays: A Novel Tool for Microdelivery of Biomolecules to Plants. <i>PLoS ONE</i> , 2016, 11, e0153621.	2.5	7
25	Initiation of aboveground organ primordia depends on combined action of auxin, <i>ERECTA</i> family genes, and <i>PINOID</i> . <i>Plant Physiology</i> , 2022, 190, 794-812.	4.8	4
26	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