

Sabrina Sabatini

List of Publications by Year in descending order

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41
papers

6,541
citations

186265

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289244

40
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41
all docs

41
docs citations

41
times ranked

5965
citing authors

#	ARTICLE	IF	CITATIONS
1	An Auxin-Dependent Distal Organizer of Pattern and Polarity in the Arabidopsis Root. <i>Cell</i> , 1999, 99, 463-472.	28.9	1,233
2	A Genetic Framework for the Control of Cell Division and Differentiation in the Root Meristem. <i>Science</i> , 2008, 322, 1380-1384.	12.6	802
3	Cytokinins Determine Arabidopsis Root-Meristem Size by Controlling Cell Differentiation. <i>Current Biology</i> , 2007, 17, 678-682.	3.9	677
4	SCARECROW is involved in positioning the stem cell niche in the Arabidopsis root meristem. <i>Genes and Development</i> , 2003, 17, 354-358.	5.9	622
5	The Rate of Cell Differentiation Controls the Arabidopsis Root Meristem Growth Phase. <i>Current Biology</i> , 2010, 20, 1138-1143.	3.9	327
6	Cytokininâ€“auxin crosstalk. <i>Trends in Plant Science</i> , 2009, 14, 557-562.	8.8	295
7	Plant hormone cross-talk: the pivot of root growth. <i>Journal of Experimental Botany</i> , 2015, 66, 1113-1121.	4.8	208
8	Plant and animal stem cells: similar yet different. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 301-312.	37.0	204
9	Auxin minimum triggers the developmental switch from cell division to cell differentiation in the <i>Arabidopsis</i> root. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7641-E7649.	7.1	193
10	Growth and development of the root apical meristem. <i>Current Opinion in Plant Biology</i> , 2012, 15, 17-23.	7.1	183
11	The molecular basis of cytokinin function. <i>Current Opinion in Plant Biology</i> , 2010, 13, 21-26.	7.1	170
12	The CHD3 Chromatin Remodeler PICKLE and Polycomb Group Proteins Antagonistically Regulate Meristem Activity in the <i>Arabidopsis</i> Root. <i>Plant Cell</i> , 2011, 23, 1047-1060.	6.6	150
13	Identification and disruption of an <i>Arabidopsis</i> zinc finger gene controlling seed germination. <i>Genes and Development</i> , 2000, 14, 28-33.	5.9	132
14	Spatial Coordination between Stem Cell Activity and Cell Differentiation in the Root Meristem. <i>Developmental Cell</i> , 2013, 26, 405-415.	7.0	113
15	A PHABULOSA/Cytokinin Feedback Loop Controls Root Growth in Arabidopsis. <i>Current Biology</i> , 2012, 22, 1699-1704.	3.9	112
16	The proline biosynthetic genes <i>P5CS1</i> and <i>P5CS2</i> play overlapping roles in <i>Arabidopsis</i> flower transition but not in embryo development. <i>Physiologia Plantarum</i> , 2009, 137, 72-85.	5.2	111
17	Emerging role of cytokinin as a regulator of cellular differentiation. <i>Current Opinion in Plant Biology</i> , 2008, 11, 23-27.	7.1	94
18	Inactivation of the Phloem-Specific Dof Zinc Finger Gene DAG1 Affects Response to Light and Integrity of the Testa of Arabidopsis Seeds. <i>Plant Physiology</i> , 2002, 128, 411-417.	4.8	84

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19	A rolB regulatory factor belongs to a new class of single zinc finger plant proteins. <i>Plant Journal</i> , 1996, 10, 215-223.	5.7	78
20	Acidic cell elongation drives cell differentiation in the <i>Arabidopsis</i> root. <i>EMBO Journal</i> , 2018, 37, .	7.8	75
21	Analysis of Root Meristem Size Development. <i>Methods in Molecular Biology</i> , 2010, 655, 177-187.	0.9	74
22	The Lateral Root Cap Acts as an Auxin Sink that Controls Meristem Size. <i>Current Biology</i> , 2019, 29, 1199-1205.e4.	3.9	72
23	A Self-Organized PLT/Auxin/ARR-B Network Controls the Dynamics of Root Zonation Development in <i>Arabidopsis thaliana</i> . <i>Developmental Cell</i> , 2020, 53, 431-443.e23.	7.0	58
24	Cytokinin-facilitated proteolysis of ARABIDOPSIS RESPONSE REGULATOR2 attenuates signaling output in two-component circuitry. <i>Plant Journal</i> , 2012, 69, 934-945.	5.7	51
25	Proline affects the size of the root meristematic zone in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2015, 15, 263.	3.6	51
26	Spatiotemporal changes in the role of cytokinin during root development. <i>New Phytologist</i> , 2013, 199, 324-338.	7.3	50
27	miR156-targeted SPL10 controls <i>Arabidopsis</i> root meristem activity and root-derived de novo shoot regeneration via cytokinin responses. <i>Journal of Experimental Botany</i> , 2020, 71, 934-950.	4.8	47
28	RETINOBLASTOMA-RELATED Protein Stimulates Cell Differentiation in the <i>Arabidopsis</i> Root Meristem by Interacting with Cytokinin Signaling. <i>Plant Cell</i> , 2013, 25, 4469-4478.	6.6	46
29	Dissecting mechanisms in root growth from the transition zone perspective. <i>Journal of Experimental Botany</i> , 2020, 71, 2390-2396.	4.8	32
30	A SCARECROW-based regulatory circuit controls <i>Arabidopsis thaliana</i> meristem size from the root endodermis. <i>Planta</i> , 2016, 243, 1159-1168.	3.2	31
31	Cytokinin-Dependent Control of GH3 Group II Family Genes in the <i>Arabidopsis</i> Root. <i>Plants</i> , 2019, 8, 94.	3.5	31
32	Differential spatial distribution of miR165/6 determines variability in plant root anatomy. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	22
33	Patterning the Axes: A Lesson from the Root. <i>Plants</i> , 2019, 8, 8.	3.5	19
34	<i>Arabidopsis</i> primary root growth: let it grow, can't hold it back anymore!. <i>Current Opinion in Plant Biology</i> , 2020, 57, 133-141.	7.1	19
35	A PHABULOSA-Controlled Genetic Pathway Regulates Ground Tissue Patterning in the <i>Arabidopsis</i> Root. <i>Current Biology</i> , 2021, 31, 420-426.e6.	3.9	19
36	The COP9 SIGNALOSOME Is Required for Postembryonic Meristem Maintenance in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2015, 8, 1623-1634.	8.3	17

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37	Inhibition of Polycomb Repressive Complex 2 activity reduces trimethylation of H3K27 and affects development in Arabidopsis seedlings. BMC Plant Biology, 2019, 19, 429.	3.6	17
38	Proteomics in Deciphering the Auxin Commitment in the <i>Arabidopsis thaliana</i> Root Growth. Journal of Proteome Research, 2013, 12, 4685-4701.	3.7	8
39	Developmental Analysis of Arabidopsis Root Meristem. Methods in Molecular Biology, 2018, 1761, 33-45.	0.9	8
40	SCARECROW and SHORTROOT control the auxin/cytokinin balance necessary for embryonic stem cell niche specification. Plant Signaling and Behavior, 2018, 13, e1507402.	2.4	6
41	Molecular Basis of Cytokinin Action during Root Development. , 2013, , 14-1-14-12.		0