

Michael Sauer

List of Publications by Year in descending order

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46
papers

9,602
citations

159585

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243625

44
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48
all docs

48
docs citations

48
times ranked

7175
citing authors

#	ARTICLE	IF	CITATIONS
1	Local, Efflux-Dependent Auxin Gradients as a Common Module for Plant Organ Formation. <i>Cell</i> , 2003, 115, 591-602.	28.9	2,313
2	Efflux-dependent auxin gradients establish the apical-basal axis of Arabidopsis. <i>Nature</i> , 2003, 426, 147-153.	27.8	1,672
3	Auxin acts as a local morphogenetic trigger to specify lateral root founder cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8790-8794.	7.1	527
4	Canalization of auxin flow by Aux/IAA-ARF-dependent feedback regulation of PIN polarity. <i>Genes and Development</i> , 2006, 20, 2902-2911.	5.9	395
5	Differential degradation of PIN2 auxin efflux carrier by retromer-dependent vacuolar targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17812-17817.	7.1	389
6	Interactions among PIN-FORMED and P-Glycoprotein Auxin Transporters in Arabidopsis. <i>Plant Cell</i> , 2007, 19, 131-147.	6.6	387
7	ABP1 Mediates Auxin Inhibition of Clathrin-Dependent Endocytosis in Arabidopsis. <i>Cell</i> , 2010, 143, 111-121.	28.9	386
8	A Molecular Framework for Plant Regeneration. <i>Science</i> , 2006, 311, 385-388.	12.6	312
9	Molecular and cellular aspects of auxin-transport-mediated development. <i>Trends in Plant Science</i> , 2007, 12, 160-168.	8.8	304
10	Integration of transport-based models for phyllotaxis and midvein formation. <i>Genes and Development</i> , 2009, 23, 373-384.	5.9	285
11	Auxin: simply complicated. <i>Journal of Experimental Botany</i> , 2013, 64, 2565-2577.	4.8	269
12	ARF GEF-Dependent Transcytosis and Polar Delivery of PIN Auxin Carriers in Arabidopsis. <i>Current Biology</i> , 2008, 18, 526-531.	3.9	250
13	ABCB19/PGP19 stabilises PIN1 in membrane microdomains in Arabidopsis. <i>Plant Journal</i> , 2009, 57, 27-44.	5.7	239
14	Immunocytochemical techniques for whole-mount in situ protein localization in plants. <i>Nature Protocols</i> , 2006, 1, 98-103.	12.0	201
15	Flavonoids Redirect PIN-mediated Polar Auxin Fluxes during Root Gravitropic Responses. <i>Journal of Biological Chemistry</i> , 2008, 283, 31218-31226.	3.4	187
16	Bipolar Plasma Membrane Distribution of Phosphoinositides and Their Requirement for Auxin-Mediated Cell Polarity and Patterning in Arabidopsis. <i>Plant Cell</i> , 2014, 26, 2114-2128.	6.6	144
17	Maintenance of Embryonic Auxin Distribution for Apical-Basal Patterning by PIN-FORMED-Dependent Auxin Transport in Arabidopsis. <i>Plant Cell</i> , 2005, 17, 2517-2526.	6.6	135
18	Role of Actin Cytoskeleton in Brassinosteroid Signaling and in Its Integration with the Auxin Response in Plants. <i>Developmental Cell</i> , 2012, 22, 1275-1285.	7.0	127

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19	Emergence of tissue polarization from synergy of intracellular and extracellular auxin signaling. <i>Molecular Systems Biology</i> , 2010, 6, 447.	7.2	126
20	AUXIN BINDING PROTEIN1: The Outsider. <i>Plant Cell</i> , 2011, 23, 2033-2043.	6.6	99
21	PIN-FORMED and PIN-LIKES auxin transport facilitators. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	95
22	Interactions of PIN and PGP auxin transport mechanisms. <i>Biochemical Society Transactions</i> , 2007, 35, 137-141.	3.4	94
23	Plant embryogenesis requires AUX/LAX-mediated auxin influx. <i>Development (Cambridge)</i> , 2015, 142, 702-11.	2.5	92
24	Specialized functions of the <sc>PP</sc>2A subfamily <sc>II</sc> catalytic subunits <sc>PP</sc>2A<sc>C3</sc> and <sc>PP</sc>2A<sc>C4</sc> in the distribution of auxin fluxes and development in <sc>Arabidopsis</sc>. <i>Plant Journal</i> , 2013, 73, 862-872.	5.7	67
25	Immunocytochemical technique for protein localization in sections of plant tissues. <i>Nature Protocols</i> , 2006, 1, 104-107.	12.0	63
26	MTV1 and MTV4 Encode Plant-Specific ENTH and ARF GAP Proteins That Mediate Clathrin-Dependent Trafficking of Vacuolar Cargo from the Trans-Golgi Network. <i>Plant Cell</i> , 2013, 25, 2217-2235.	6.6	60
27	WRKY23 is a component of the transcriptional network mediating auxin feedback on PIN polarity. <i>PLoS Genetics</i> , 2018, 14, e1007177.	3.5	56
28	In vitro culture of Arabidopsis embryos within their ovules. <i>Plant Journal</i> , 2004, 40, 835-843.	5.7	51
29	Helping Hands for Budding Prospects: ENTH/ANTH/VHS Accessory Proteins in Endocytosis, Vacuolar Transport, and Secretion. <i>Plant Cell</i> , 2014, 26, 4232-4244.	6.6	44
30	A Molecular Switch for Initiating Cell Differentiation in Arabidopsis. <i>Current Biology</i> , 2011, 21, 999-1008.	3.9	36
31	EPSIN1 and MTV1 define functionally overlapping but molecularly distinct <i>trans</i>-Golgi network subdomains in <i>Arabidopsis</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25880-25889.	7.1	36
32	PATELLINS are regulators of auxin-mediated PIN1 relocation and plant development in Arabidopsis thaliana. <i>Journal of Cell Science</i> , 2017, 131, .	2.0	29
33	Immunolocalization of Proteins in Plants. <i>Methods in Molecular Biology</i> , 2010, 655, 253-263.	0.9	24
34	MTV proteins unveil ER- and microtubule-associated compartments in the plant vacuolar trafficking pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9884-9895.	7.1	23
35	RIMA-Dependent Nuclear Accumulation of IYO Triggers Auxin-Irreversible Cell Differentiation in Arabidopsis. <i>Plant Cell</i> , 2017, 29, 575-588.	6.6	22
36	Overexpression of the Auxin Binding PROTEIN1 Modulates PIN-Dependent Auxin Transport in Tobacco Cells. <i>PLoS ONE</i> , 2013, 8, e70050.	2.5	19

