## **Michael Sauer**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Plant cell biology: PIN polarity maintained. Current Biology, 2021, 31, R449-R451.	3.9	3
2	EPSIN1 and MTV1 define functionally overlapping but molecularly distinct <i>trans</i> -Golgi network subdomains in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25880-25889.	7.1	36
3	MTV proteins unveil ER- and microtubule-associated compartments in the plant vacuolar trafficking pathway. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9884-9895.	7.1	23
4	PIN-FORMED and PIN-LIKES auxin transport facilitators. Development (Cambridge), 2019, 146, .	2.5	95
5	WRKY23 is a component of the transcriptional network mediating auxin feedback on PIN polarity. PLoS Genetics, 2018, 14, e1007177.	3.5	56
6	RIMA-Dependent Nuclear Accumulation of IYO Triggers Auxin-Irreversible Cell Differentiation in Arabidopsis. Plant Cell, 2017, 29, 575-588.	6.6	22
7	PATELLINS are regulators of auxin-mediated PIN1 relocation and plant development in Arabidopsis thaliana. Journal of Cell Science, 2017, 131, .	2.0	29
8	Plant embryogenesis requires AUX/LAX-mediated auxin influx. Development (Cambridge), 2015, 142, 702-11.	2.5	92
9	Helping Hands for Budding Prospects: ENTH/ANTH/VHS Accessory Proteins in Endocytosis, Vacuolar Transport, and Secretion. Plant Cell, 2014, 26, 4232-4244.	6.6	44
10	Bipolar Plasma Membrane Distribution of Phosphoinositides and Their Requirement for Auxin-Mediated Cell Polarity and Patterning in <i>Arabidopsis</i> Â. Plant Cell, 2014, 26, 2114-2128.	6.6	144
11	Plant Biology: Gatekeepers of the Road to Protein Perdition. Current Biology, 2014, 24, R27-R29.	3.9	6
12	MTV1 Pull-down Assay in Arabidopsis. Bio-protocol, 2014, 4, .	0.4	1
13	Auxin: simply complicated. Journal of Experimental Botany, 2013, 64, 2565-2577.	4.8	269
14	Specialized functions of the <scp>PP</scp> 2A subfamily <scp>II</scp> catalytic subunits <scp>PP</scp> 2Aâ€C3 and <scp>PP</scp> 2Aâ€C4 in the distribution of auxin fluxes and development in <scp>A</scp> rabidopsis. Plant Journal, 2013, 73, 862-872.	5.7	67
15	MTV1 and MTV4 Encode Plant-Specific ENTH and ARF GAP Proteins That Mediate Clathrin-Dependent Trafficking of Vacuolar Cargo from the Trans-Golgi Network. Plant Cell, 2013, 25, 2217-2235.	6.6	60
16	Overexpression of the Auxin Binding PROTEIN1 Modulates PIN-Dependent Auxin Transport in Tobacco Cells. PLoS ONE, 2013, 8, e70050.	2.5	19
17	MINIYO and transcriptional elongation: Lifting the roadblock to differentiation. Transcription, 2012, 3, 25-28.	3.1	12
18	Role of Actin Cytoskeleton in Brassinosteroid Signaling and in Its Integration with the Auxin Response in Plants. Developmental Cell, 2012, 22, 1275-1285.	7.0	127

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19	Fleeting hormone cues get stabilized for plant organogenesis. Molecular Systems Biology, 2011, 7, 507.	7.2	1
20	A Molecular Switch for Initiating Cell Differentiation in Arabidopsis. Current Biology, 2011, 21, 999-1008.	3.9	36
21	AUXIN BINDING PROTEIN1: The Outsider. Plant Cell, 2011, 23, 2033-2043.	6.6	99
22	Emergence of tissue polarization from synergy of intracellular and extracellular auxin signaling. Molecular Systems Biology, 2010, 6, 447.	7.2	126
23	ABP1 Mediates Auxin Inhibition of Clathrin-Dependent Endocytosis in Arabidopsis. Cell, 2010, 143, 111-121.	28.9	386
24	Immunolocalization of Proteins in Plants. Methods in Molecular Biology, 2010, 655, 253-263.	0.9	24
25	ABCB19/PGP19 stabilises PIN1 in membrane microdomains in Arabidopsis. Plant Journal, 2009, 57, 27-44.	5.7	239
26	Integration of transport-based models for phyllotaxis and midvein formation. Genes and Development, 2009, 23, 373-384.	5.9	285
27	In their neighbour's shadow. Nature, 2008, 453, 298-299.	27.8	6
28	ARF GEF-Dependent Transcytosis and Polar Delivery of PIN Auxin Carriers in Arabidopsis. Current Biology, 2008, 18, 526-531.	3.9	250
29	In Vitro Culture of Arabidopsis Embryos. Methods in Molecular Biology, 2008, 427, 71-76.	0.9	12
30	Visualization of Auxin Gradients in Embryogenesis. Methods in Molecular Biology, 2008, 427, 137-144.	0.9	3
31	Flavonoids Redirect PIN-mediated Polar Auxin Fluxes during Root Gravitropic Responses. Journal of Biological Chemistry, 2008, 283, 31218-31226.	3.4	187
32	Auxin acts as a local morphogenetic trigger to specify lateral root founder cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8790-8794.	7.1	527
33	Differential degradation of PIN2 auxin efflux carrier by retromer-dependent vacuolar targeting. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17812-17817.	7.1	389
34	ãŠéš£ã•ã,"ã®é™°ã§. Nature Digest, 2008, 5, 30-31.	0.0	0
35	Interactions of PIN and PGP auxin transport mechanisms. Biochemical Society Transactions, 2007, 35, 137-141.	3.4	94
36	Molecular and cellular aspects of auxin-transport-mediated development. Trends in Plant Science, 2007, 12, 160-168.	8.8	304

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37	Interactions among PIN-FORMED and P-Glycoprotein Auxin Transporters in Arabidopsis. Plant Cell, 2007, 19, 131-147.	6.6	387
38	A Molecular Framework for Plant Regeneration. Science, 2006, 311, 385-388.	12.6	312
39	Immunocytochemical techniques for whole-mount in situ protein localization in plants. Nature Protocols, 2006, 1, 98-103.	12.0	201
40	Immunocytochemical technique for protein localization in sections of plant tissues. Nature Protocols, 2006, 1, 104-107.	12.0	63
41	Canalization of auxin flow by Aux/IAA-ARF-dependent feedback regulation of PIN polarity. Genes and Development, 2006, 20, 2902-2911.	5.9	395
42	Maintenance of Embryonic Auxin Distribution for Apical-Basal Patterning by PIN-FORMED–Dependent Auxin Transport in Arabidopsis. Plant Cell, 2005, 17, 2517-2526.	6.6	135
43	In vitro culture of Arabidopsis embryos within their ovules. Plant Journal, 2004, 40, 835-843.	5.7	51
44	Efflux-dependent auxin gradients establish the apical–basal axis of Arabidopsis. Nature, 2003, 426, 147-153.	27.8	1,672
45	Local, Efflux-Dependent Auxin Gradients as a Common Module for Plant Organ Formation. Cell, 2003, 115, 591-602.	28.9	2,313

In Vitro Culture of Arabidopsis Embryos. , 0, , 343-354.