

Christian Luschnig

List of Publications by Year in descending order

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64
papers

9,285
citations

116194

36
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134545

62
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69
all docs

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docs citations

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times ranked

8754
citing authors

#	ARTICLE	IF	CITATIONS
1	Endosomally Localized RGLG-Type E3 RING-Finger Ligases Modulate Sorting of Ubiquitylation-Mimic PIN2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6767.	1.8	3
2	Pho-view of Auxin: Reversible Protein Phosphorylation in Auxin Biosynthesis, Transport and Signaling. <i>Molecular Plant</i> , 2021, 14, 151-165.	3.9	56
3	Auxin and Root Gravitropism: Addressing Basic Cellular Processes by Exploiting a Defined Growth Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2749.	1.8	26
4	Plants on (brassinosteroids). <i>Nature Plants</i> , 2021, 7, 548-549.	4.7	2
5	Modulation of the endosomal pathway for optimized response to drought stress: from model to crop plants. <i>Bodenkultur</i> , 2021, 72, 57-72.	0.1	0
6	Auxin signalling in growth: Schrödinger's cat out of the bag. <i>Current Opinion in Plant Biology</i> , 2020, 53, 43-49.	3.5	81
7	PIN FORMED 2 Modulates the Transport of Arsenite in <i>Arabidopsis thaliana</i> . <i>Plant Communications</i> , 2020, 1, 100009.	3.6	17
8	Strigolactones inhibit auxin feedback on PIN-dependent auxin transport canalization. <i>Nature Communications</i> , 2020, 11, 3508.	5.8	51
9	TOLs Function as Ubiquitin Receptors in the Early Steps of the ESCRT Pathway in Higher Plants. <i>Molecular Plant</i> , 2020, 13, 717-731.	3.9	45
10	Brassinosteroid signaling delimits root gravitropism via sorting of the <i>Arabidopsis</i> PIN2 auxin transporter. <i>Nature Communications</i> , 2019, 10, 5516.	5.8	74
11	Evolutionary Conserved Cysteines Function as cis-Acting Regulators of <i>Arabidopsis</i> PIN-FORMED 2 Distribution. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2274.	1.8	28
12	DIAGEOTROPICA: news from the auxin swamp. <i>Trends in Plant Science</i> , 2015, 20, 328-329.	4.3	9
13	Meta-regulation of <i>Arabidopsis</i> Auxin Responses Depends on tRNA Maturation. <i>Cell Reports</i> , 2015, 11, 516-526.	2.9	27
14	Tricho- and atrichoblast cell files show distinct PIN2 auxin efflux carrier exploitations and are jointly required for defined auxin-dependent root organ growth. <i>Journal of Experimental Botany</i> , 2015, 66, 5103-5112.	2.4	17
15	Ubiquitin Lys 63 chains are second-most abundant, but poorly understood in plants. <i>Frontiers in Plant Science</i> , 2014, 5, 15.	1.7	26
16	Ubiquitylation-Mediated Control of Polar Auxin Transport: Analysis of <i>Arabidopsis</i> PIN2 Auxin Transport Protein. <i>Methods in Molecular Biology</i> , 2014, 1209, 233-249.	0.4	4
17	Expression analysis of <i>Arabidopsis</i> XH/XS-domain proteins indicates overlapping and distinct functions for members of this gene family. <i>Journal of Experimental Botany</i> , 2014, 65, 1217-1227.	2.4	18
18	The dynamics of plant plasma membrane proteins: PINs and beyond. <i>Development (Cambridge)</i> , 2014, 141, 2924-2938.	1.2	128

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19	The far side of auxin signaling: fundamental cellular activities and their contribution to a defined growth response in plants. <i>Protoplasma</i> , 2014, 251, 731-746.	1.0	16
20	Auxin and Tropisms. , 2014, , 361-387.		9
21	Arabidopsis TOL Proteins Act as Gatekeepers for Vacuolar Sorting of PIN2 Plasma Membrane Protein. <i>Current Biology</i> , 2013, 23, 2500-2505.	1.8	113
22	Posttranslational modification and trafficking of PIN auxin efflux carriers. <i>Mechanisms of Development</i> , 2013, 130, 82-94.	1.7	50
23	Plasma Membrane Protein Ubiquitylation and Degradation as Determinants of Positional Growth in Plants. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 809-823.	4.1	31
24	Dynamics in PIN2 auxin carrier ubiquitylation in gravity-responding Arabidopsis roots. <i>Plant Signaling and Behavior</i> , 2012, 7, 1271-1273.	1.2	29
25	Lysine ⁶³ -linked ubiquitylation of PIN2 auxin carrier protein governs hormonally controlled adaptation of <i>Arabidopsis</i> root growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8322-8327.	3.3	175
26	GOLVEN Secretory Peptides Regulate Auxin Carrier Turnover during Plant Gravitropic Responses. <i>Developmental Cell</i> , 2012, 22, 678-685.	3.1	182
27	Transgenerational epigenetic inheritance in plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2011, 1809, 459-468.	0.9	250
28	CESTA, a positive regulator of brassinosteroid biosynthesis. <i>EMBO Journal</i> , 2011, 30, 1149-1161.	3.5	115
29	Cell Polarity: PIN It Down!. <i>Current Biology</i> , 2011, 21, R197-R199.	1.8	6
30	Recycling, clustering, and endocytosis jointly maintain PIN auxin carrier polarity at the plasma membrane. <i>Molecular Systems Biology</i> , 2011, 7, 540.	3.2	232
31	Posttranslational Modifications of Plasma Membrane Proteins and Their Implications for Plant Growth and Development. <i>Plant Cell Monographs</i> , 2011, , 109-128.	0.4	9
32	The dynamic plant cell. <i>Current Opinion in Plant Biology</i> , 2010, 13, 621-622.	3.5	0
33	Maximum yields of microsomal-type membranes from small amounts of plant material without requiring ultracentrifugation. <i>Analytical Biochemistry</i> , 2010, 401, 217-227.	1.1	142
34	Putative <i>Arabidopsis</i> Transcriptional Adaptor Protein (PROPORZ1) is required to modulate histone acetylation in response to auxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10308-10313.	3.3	113
35	Transgenerational Inheritance and Resetting of Stress-Induced Loss of Epigenetic Gene Silencing in Arabidopsis. <i>Molecular Plant</i> , 2010, 3, 594-602.	3.9	253
36	Bimodular auxin response controls organogenesis in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2705-2710.	3.3	271

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37	ABP1 Mediates Auxin Inhibition of Clathrin-Dependent Endocytosis in Arabidopsis. <i>Cell</i> , 2010, 143, 111-121.	13.5	386
38	Transgenerational Stress Memory Is Not a General Response in Arabidopsis. <i>PLoS ONE</i> , 2009, 4, e5202.	1.1	142
39	Subcellular homeostasis of phytohormone auxin is mediated by the ER-localized PIN5 transporter. <i>Nature</i> , 2009, 459, 1136-1140.	13.7	462
40	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.	3.3	389
41	Antagonistic Regulation of PIN Phosphorylation by PP2A and PINOID Directs Auxin Flux. <i>Cell</i> , 2007, 130, 1044-1056.	13.5	590
42	<i>MODULATOR OF PIN</i> genes control steady-state levels of Arabidopsis PIN proteins. <i>Plant Journal</i> , 2007, 51, 537-550.	2.8	22
43	PIN Proteins Perform a Rate-Limiting Function in Cellular Auxin Efflux. <i>Science</i> , 2006, 312, 914-918.	6.0	805
44	Apical-basal polarity: why plant cells don't stand on their heads. <i>Trends in Plant Science</i> , 2006, 11, 12-14.	4.3	37
45	Transcriptome analysis of bud burst in sessile oak (<i>Quercus petraea</i>). <i>New Phytologist</i> , 2006, 170, 723-738.	3.5	116
46	Intracellular trafficking and proteolysis of the Arabidopsis auxin-efflux facilitator PIN2 are involved in root gravitropism. <i>Nature Cell Biology</i> , 2006, 8, 249-256.	4.6	557
47	The Arabidopsis MAX Pathway Controls Shoot Branching by Regulating Auxin Transport. <i>Current Biology</i> , 2006, 16, 553-563.	1.8	424
48	Canalization of auxin flow by Aux/IAA-ARF-dependent feedback regulation of PIN polarity. <i>Genes and Development</i> , 2006, 20, 2902-2911.	2.7	395
49	The TORNADO1 and TORNADO2 Genes Function in Several Patterning Processes during Early Leaf Development in Arabidopsis thaliana. <i>Plant Cell</i> , 2006, 18, 852-866.	3.1	96
50	Regulating the regulator: the control of auxin transport. <i>BioEssays</i> , 2005, 27, 1246-1255.	1.2	43
51	Functional redundancy of PIN proteins is accompanied by auxin-dependent cross-regulation of PIN expression. <i>Development (Cambridge)</i> , 2005, 132, 4521-4531.	1.2	574
52	PROPORZ1, a Putative Arabidopsis Transcriptional Adaptor Protein, Mediates Auxin and Cytokinin Signals in the Control of Cell Proliferation. <i>Current Biology</i> , 2003, 13, 837-842.	1.8	100
53	Detoxification of the Fusarium Mycotoxin Deoxynivalenol by a UDP-glucosyltransferase from Arabidopsis thaliana. <i>Journal of Biological Chemistry</i> , 2003, 278, 47905-47914.	1.6	472
54	Auxin transport: ABC proteins join the club. <i>Trends in Plant Science</i> , 2002, 7, 329-332.	4.3	43

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55	Auxin transport: Why plants like to think BIG. <i>Current Biology</i> , 2001, 11, R831-R833.	1.8	25
56	Post-transcriptional control of the Arabidopsis auxin efflux carrier EIR1 requires AXR1. <i>Current Biology</i> , 2000, 10, 1595-1598.	1.8	116
57	Two pieces of the auxin puzzle. <i>Trends in Plant Science</i> , 1999, 4, 162-164.	4.3	8
58	EIR1, a root-specific protein involved in auxin transport, is required for gravitropism in <i>Arabidopsis thaliana</i> . <i>Genes and Development</i> , 1998, 12, 2175-2187.	2.7	755
59	RNA Packaging of Yeast Retrotransposon Ty1 in the Heterologous Host, <i>Escherichia coli</i> . <i>Biological Chemistry</i> , 1997, 378, 39-46.	1.2	12
60	<i>Arabidopsis thaliana</i> RAD6 homolog AtUBC2 complements UV sensitivity, but not N-end rule degradation deficiency, of <i>Saccharomyces cerevisiae</i> rad6 mutants. <i>Current Genetics</i> , 1997, 32, 309-314.	0.8	43
61	The Gag Homologue of Retrotransposon Ty1 Assembles into Spherical Particles in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1995, 228, 739-744.	0.2	18
62	Immunocytochemical localisation of actin and profilin in the generative cell of angiosperm pollen: TEM studies on high-pressure frozen and freeze-substituted <i>Ledebouria socialis</i> Roth (Hyacinthaceae). <i>Histochemistry and Cell Biology</i> , 1995, 104, 443-451.	0.8	22
63	Intraspecific length heterogeneity of the rDNA-IGR in <i>Arabidopsis thaliana</i> due to homologous recombination. <i>Plant Molecular Biology</i> , 1993, 22, 543-545.	2.0	11
64	Nucleotide sequence of trnI(CAU) and rpl23 from <i>Arabidopsis thaliana</i> chloroplast genome. <i>Nucleic Acids Research</i> , 1992, 20, 3511-3511.	6.5	2