

Lucia C Strader

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6032703/publications.pdf>

Version: 2024-02-01

62
papers

4,677
citations

136950

32
h-index

133252

59
g-index

85
all docs

85
docs citations

85
times ranked

4819
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Arabidopsis</i> SLEEPY1 Gene Encodes a Putative F-Box Subunit of an SCF E3 Ubiquitin Ligase[W]. <i>Plant Cell</i> , 2003, 15, 1120-1130.	6.6	505
2	Auxin biosynthesis and storage forms. <i>Journal of Experimental Botany</i> , 2013, 64, 2541-2555.	4.8	431
3	Molecular basis for AUXIN RESPONSE FACTOR protein interaction and the control of auxin response repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5427-5432.	7.1	249
4	Auxin activity: Past, present, and future. <i>American Journal of Botany</i> , 2015, 102, 180-196.	1.7	248
5	The <i>Arabidopsis</i> PLEIOTROPIC DRUG RESISTANCE8/ABCG36 ATP Binding Cassette Transporter Modulates Sensitivity to the Auxin Precursor Indole-3-Butyric Acid. <i>Plant Cell</i> , 2009, 21, 1992-2007.	6.6	185
6	<i>Arabidopsis</i> PIS1 encodes the ABCG37 transporter of auxinic compounds including the auxin precursor indole-3-butyric acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10749-10753.	7.1	183
7	Transport and Metabolism of the Endogenous Auxin Precursor Indole-3-Butyric Acid. <i>Molecular Plant</i> , 2011, 4, 477-486.	8.3	179
8	Nucleo-cytoplasmic Partitioning of ARF Proteins Controls Auxin Responses in <i>Arabidopsis thaliana</i> . <i>Molecular Cell</i> , 2019, 76, 177-190.e5.	9.7	165
9	Conversion of Endogenous Indole-3-Butyric Acid to Indole-3-Acetic Acid Drives Cell Expansion in <i>Arabidopsis</i> Seedlings. <i>Plant Physiology</i> , 2010, 153, 1577-1586.	4.8	162
10	Ethylene directs auxin to control root cell expansion. <i>Plant Journal</i> , 2010, 64, 874-884.	5.7	149
11	Multiple Facets of <i>Arabidopsis</i> Seedling Development Require Indole-3-Butyric Acid-Derived Auxin. <i>Plant Cell</i> , 2011, 23, 984-999.	6.6	149
12	A role for the root cap in root branching revealed by the non-auxin probe naxillin. <i>Nature Chemical Biology</i> , 2012, 8, 798-805.	8.0	118
13	Roles for IBA-derived auxin in plant development. <i>Journal of Experimental Botany</i> , 2018, 69, 169-177.	4.8	118
14	Recessive-interfering mutations in the gibberellin signaling gene SLEEPY1 are rescued by overexpression of its homologue, SNEEZY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12771-12776.	7.1	111
15	Interplay of Auxin and Cytokinin in Lateral Root Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 486.	4.1	111
16	A gain-of-function mutation in IAA16 confers reduced responses to auxin and abscisic acid and impedes plant growth and fertility. <i>Plant Molecular Biology</i> , 2012, 79, 359-373.	3.9	107
17	Abscisic Acid Regulates Root Elongation Through the Activities of Auxin and Ethylene in <i>Arabidopsis thaliana</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1259-1274.	1.8	96
18	Auxin-Abscisic Acid Interactions in Plant Growth and Development. <i>Biomolecules</i> , 2020, 10, 281.	4.0	95

#	ARTICLE	IF	CITATIONS
19	Emerging Roles for Phase Separation in Plants. <i>Developmental Cell</i> , 2020, 55, 69-83.	7.0	84
20	Silver Ions Increase Auxin Efflux Independently of Effects on Ethylene Response. <i>Plant Cell</i> , 2009, 21, 3585-3590.	6.6	80
21	Auxin perception and downstream events. <i>Current Opinion in Plant Biology</i> , 2016, 33, 8-14.	7.1	77
22	The IBR5 phosphatase promotes Arabidopsis auxin responses through a novel mechanism distinct from TIR1-mediated repressor degradation. <i>BMC Plant Biology</i> , 2008, 8, 41.	3.6	71
23	Regulation of auxin transcriptional responses. <i>Developmental Dynamics</i> , 2020, 249, 483-495.	1.8	65
24	Plant transcription factors "being in the right place with the right company. <i>Current Opinion in Plant Biology</i> , 2022, 65, 102136.	7.1	63
25	Indole 3-Butyric Acid Metabolism and Transport in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2019, 10, 851.	3.6	55
26	Old Town Roads: routes of auxin biosynthesis across kingdoms. <i>Current Opinion in Plant Biology</i> , 2020, 55, 21-27.	7.1	54
27	Biological Phase Separation and Biomolecular Condensates in Plants. <i>Annual Review of Plant Biology</i> , 2021, 72, 17-46.	18.7	53
28	A new path to auxin. <i>Nature Chemical Biology</i> , 2008, 4, 337-339.	8.0	51
29	Arabidopsis <i>iba response5</i> Suppressors Separate Responses to Various Hormones. <i>Genetics</i> , 2008, 180, 2019-2031.	2.9	49
30	An Arabidopsis kinase cascade influences auxin-responsive cell expansion. <i>Plant Journal</i> , 2017, 92, 68-81.	5.7	49
31	Genome Sequencing of Arabidopsis <i>abp1-5</i> Reveals Second-Site Mutations That May Affect Phenotypes. <i>Plant Cell</i> , 2015, 27, 1820-1826.	6.6	42
32	Refining the nuclear auxin response pathway through structural biology. <i>Current Opinion in Plant Biology</i> , 2015, 27, 22-28.	7.1	40
33	Gateway-compatible tissue-specific vectors for plant transformation. <i>BMC Research Notes</i> , 2015, 8, 63.	1.4	37
34	TRANSPORTER OF IBA1 Links Auxin and Cytokinin to Influence Root Architecture. <i>Developmental Cell</i> , 2019, 50, 599-609.e4.	7.0	37
35	ABA homeostasis and long-distance translocation are redundantly regulated by ABCG ABA importers. <i>Science Advances</i> , 2021, 7, eabf6069.	10.3	34
36	Defining a Two-pronged Structural Model for PB1 (Phox/Bem1p) Domain Interaction in Plant Auxin Responses. <i>Journal of Biological Chemistry</i> , 2015, 290, 12868-12878.	3.4	31

#	ARTICLE	IF	CITATIONS
37	The Roles of Î²-Oxidation and Cofactor Homeostasis in Peroxisome Distribution and Function in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2016, 204, 1089-1115.	2.9	30
38	Is transcriptional regulation just going through a phase?. <i>Molecular Cell</i> , 2021, 81, 1579-1585.	9.7	27
39	Regulation of AUXIN RESPONSE FACTOR condensation and nucleo-cytoplasmic partitioning. <i>Nature Communications</i> , 2022, 13, .	12.8	27
40	Isolation of ABA-responsive mutants in allohexaploid bread wheat (<i>Triticum aestivum</i> L.): Drawing connections to grain dormancy, preharvest sprouting, and drought tolerance. <i>Plant Science</i> , 2010, 179, 620-629.	3.6	26
41	Kinase MPK17 and the Peroxisome Division Factor PMD1 Influence Salt-induced Peroxisome Proliferation. <i>Plant Physiology</i> , 2018, 176, 340-351.	4.8	26
42	A glutathione-dependent control of the indole butyric acid pathway supports <i>Arabidopsis</i> root system adaptation to phosphate deprivation. <i>Journal of Experimental Botany</i> , 2020, 71, 4843-4857.	4.8	24
43	Structural Aspects of Auxin Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2022, 14, a039883.	5.5	20
44	Intrinsic and extrinsic regulators of Aux/IAA protein degradation dynamics. <i>Trends in Biochemical Sciences</i> , 2022, 47, 865-874.	7.5	20
45	Direct photoresponsive inhibition of a p53-like transcription activation domain in PIF3 by <i>Arabidopsis</i> phytochrome B. <i>Nature Communications</i> , 2021, 12, 5614.	12.8	18
46	The Early-Acting Peroxin PEX19 Is Redundantly Encoded, Farnesylated, and Essential for Viability in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2016, 11, e0148335.	2.5	15
47	Up in the air: Untethered Factors of Auxin Response. <i>F1000Research</i> , 2016, 5, 133.	1.6	13
48	Sequence determinants of in cell condensate morphology, dynamics, and oligomerization as measured by number and brightness analysis. <i>Cell Communication and Signaling</i> , 2021, 19, 65.	6.5	12
49	Architecture and plasticity: optimizing plant performance in dynamic environments. <i>Plant Physiology</i> , 2021, 187, 1029-1032.	4.8	12
50	Locally Sourced: Auxin Biosynthesis and Transport in the Root Meristem. <i>Developmental Cell</i> , 2018, 47, 262-264.	7.0	10
51	Nucleocytoplasmic partitioning as a mechanism to regulate <i>Arabidopsis</i> signaling events. <i>Current Opinion in Cell Biology</i> , 2021, 69, 136-141.	5.4	9
52	A Prion-based Thermosensor in Plants. <i>Molecular Cell</i> , 2020, 80, 181-182.	9.7	6
53	IBA Transport by PDR Proteins. <i>Signaling and Communication in Plants</i> , 2014, , 313-331.	0.7	6
54	I Will Survive: How NPR1 Condensation Promotes Plant Cell Survival. <i>Cell</i> , 2020, 182, 1072-1074.	28.9	5

#	ARTICLE	IF	CITATIONS
55	Creativity comes from interactions: modules of protein interactions in plants. FEBS Journal, 2022, 289, 1492-1514.	4.7	5
56	Plant promoter-proximal pausing?. Nature Plants, 2021, 7, 862-863.	9.3	5
57	Beating the heat: Phase separation in plant stress granules. Developmental Cell, 2022, 57, 563-565.	7.0	5
58	TRANSPORTER OF IBA1 Links Auxin and Cytokinin to Influence Root Architecture. SSRN Electronic Journal, 0, , .	0.4	3
59	Structural Biology of Auxin Signal Transduction. , 2018, , 49-66.		2
60	Sugar rush: Glucosylation of IPyA attenuates auxin levels. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7558-7560.	7.1	2
61	Connected phytohormone biosynthesis pathways at the core of growth-stress tradeoffs. Molecular Plant, 2022, 15, 1087-1089.	8.3	1
62	Editorial overview: Directionality and precision - how signaling and gene regulation drive plant development and growth. Current Opinion in Plant Biology, 2020, 57, A1-A3.	7.1	0