Lucia C Strader

List of Publications by Year
in descending order

62 papers	4,677 citations	136940 32 h-index	133244 59 g-index
85 all docs	85 docs citations	85 times ranked	4819 citing authors

#	Article	IF	Citations
1	The ArabidopsisSLEEPY1Gene Encodes a Putative F-Box Subunit of an SCF E3 Ubiquitin Ligase[W]. Plant Cell, 2003, 15, 1120-1130.	6.6	505
2	Auxin biosynthesis and storage forms. Journal of Experimental Botany, 2013, 64, 2541-2555.	4.8	431
3	Molecular basis for AUXIN RESPONSE FACTOR protein interaction and the control of auxin response repression. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5427-5432.	7.1	249
4	Auxin activity: Past, present, and future. American Journal of Botany, 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 Â. Plant Cell, 2009, 21, 1992-2007.	6.6	185
6	<i>Arabidopsis PIS1</i> encodes the ABCG37 transporter of auxinic compounds including the auxin precursor indole-3-butyric acid. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10749-10753.	7.1	183
7	Transport and Metabolism of the Endogenous Auxin Precursor Indole-3-Butyric Acid. Molecular Plant, 2011, 4, 477-486.	8.3	179
8	Nucleo-cytoplasmic Partitioning of ARF Proteins Controls Auxin Responses in Arabidopsis thaliana. Molecular Cell, 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 Arabidopsis Seedlings Â Â Â. Plant Physiology, 2010, 153, 1577-1586.	4.8	162
10	Ethylene directs auxin to control root cell expansion. Plant Journal, 2010, 64, 874-884.	5.7	149
11	Multiple Facets of<i>Arabidopsis</i>Seedling Development Require  Indole-3-Butyric Acidâ€"Derived Auxin. Plant Cell, 2011, 23, 984-999.	6.6	149
12	A role for the root cap in root branching revealed by the non-auxin probe naxillin. Nature Chemical Biology, 2012, 8, 798-805.	8.0	118
13	Roles for IBA-derived auxin in plant development. Journal of Experimental Botany, 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. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12771-12776.	7.1	111
15	Interplay of Auxin and Cytokinin in Lateral Root Development. International Journal of Molecular Sciences, 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. Plant Molecular Biology, 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>. G3: Genes, Genomes, Genetics, 2014, 4, 1259-1274.	1.8	96
18	Auxin-Abscisic Acid Interactions in Plant Growth and Development. Biomolecules, 2020, 10, 281.	4.0	95

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19	Emerging Roles for Phase Separation in Plants. Developmental Cell, 2020, 55, 69-83.	7.0	84
20	Silver Ions Increase Auxin Efflux Independently of Effects on Ethylene Response. Plant Cell, 2009, 21, 3585-3590.	6.6	80
21	Auxin perception and downstream events. Current Opinion in Plant Biology, 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. BMC Plant Biology, 2008, 8, 41.	3.6	71
23	Regulation of auxin transcriptional responses. Developmental Dynamics, 2020, 249, 483-495.	1.8	65
24	Plant transcription factors â€" being in the right place with the right company. Current Opinion in Plant Biology, 2022, 65, 102136.	7.1	63
25	Indole 3-Butyric Acid Metabolism and Transport in Arabidopsis thaliana. Frontiers in Plant Science, 2019, 10, 851.	3.6	55
26	Old Town Roads: routes of auxin biosynthesis across kingdoms. Current Opinion in Plant Biology, 2020, 55, 21-27.	7.1	54
27	Biological Phase Separation and Biomolecular Condensates in Plants. Annual Review of Plant Biology, 2021, 72, 17-46.	18.7	53
28	A new path to auxin. Nature Chemical Biology, 2008, 4, 337-339.	8.0	51
29	Arabidopsis <i>iba response5</i> Suppressors Separate Responses to Various Hormones. Genetics, 2008, 180, 2019-2031.	2.9	49
30	An Arabidopsis kinase cascade influences auxinâ€responsive cell expansion. Plant Journal, 2017, 92, 68-81.	5.7	49
31	Genome Sequencing of Arabidopsis <i>abp1-5</i> Reveals Second-Site Mutations That May Affect Phenotypes. Plant Cell, 2015, 27, 1820-1826.	6.6	42
32	Refining the nuclear auxin response pathway through structural biology. Current Opinion in Plant Biology, 2015, 27, 22-28.	7.1	40
33	Gateway-compatible tissue-specific vectors for plant transformation. BMC Research Notes, 2015, 8, 63.	1.4	37
34	TRANSPORTER OF IBA1 Links Auxin and Cytokinin to Influence Root Architecture. Developmental Cell, 2019, 50, 599-609.e4.	7.0	37
35	ABA homeostasis and long-distance translocation are redundantly regulated by ABCG ABA importers. Science Advances, 2021, 7, eabf6069.	10.3	34
36	Defining a Two-pronged Structural Model for PB1 (Phox/Bem1p) Domain Interaction in Plant Auxin Responses. Journal of Biological Chemistry, 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>. Genetics, 2016, 204, 1089-1115.	2.9	30
38	Is transcriptional regulation just going through a phase?. Molecular Cell, 2021, 81, 1579-1585.	9.7	27
39	Regulation of AUXIN RESPONSE FACTOR condensation and nucleo-cytoplasmic partitioning. Nature Communications, 2022, 13, .	12.8	27
40	Isolation of ABA-responsive mutants in allohexaploid bread wheat (Triticum aestivum L.): Drawing connections to grain dormancy, preharvest sprouting, and drought tolerance. Plant Science, 2010, 179, 620-629.	3.6	26
41	Kinase MPK17 and the Peroxisome Division Factor PMD1 Influence Salt-induced Peroxisome Proliferation. Plant Physiology, 2018, 176, 340-351.	4.8	26
42	A glutathione-dependent control of the indole butyric acid pathway supports Arabidopsis root system adaptation to phosphate deprivation. Journal of Experimental Botany, 2020, 71, 4843-4857.	4.8	24
43	Structural Aspects of Auxin Signaling. Cold Spring Harbor Perspectives in Biology, 2022, 14, a039883.	5.5	20
44	Intrinsic and extrinsic regulators of Aux/IAA protein degradation dynamics. Trends in Biochemical Sciences, 2022, 47, 865-874.	7.5	20
45	Direct photoresponsive inhibition of a p53-like transcription activation domain in PIF3 by Arabidopsis phytochrome B. Nature Communications, 2021, 12, 5614.	12.8	18
46	The Early-Acting Peroxin PEX19 Is Redundantly Encoded, Farnesylated, and Essential for Viability in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0148335.	2.5	15
47	Up in the air: Untethered Factors of Auxin Response. F1000Research, 2016, 5, 133.	1.6	13
48	Sequence determinants of in cell condensate morphology, dynamics, and oligomerization as measured by number and brightness analysis. Cell Communication and Signaling, 2021, 19, 65.	6.5	12
49	Architecture and plasticity: optimizing plant performance in dynamic environments. Plant Physiology, 2021, 187, 1029-1032.	4.8	12
50	Locally Sourced: Auxin Biosynthesis and Transport in the Root Meristem. Developmental Cell, 2018, 47, 262-264.	7.0	10
51	Nucleocytoplasmic partitioning as a mechanism to regulate Arabidopsis signaling events. Current Opinion in Cell Biology, 2021, 69, 136-141.	5.4	9
52	A Prion-based Thermosensor in Plants. Molecular Cell, 2020, 80, 181-182.	9.7	6
53	IBA Transport by PDR Proteins. Signaling and Communication in Plants, 2014, , 313-331.	0.7	6
54	I Will Survive: How NPR1 Condensation Promotes Plant Cell Survival. Cell, 2020, 182, 1072-1074.	28.9	5

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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