Lucia C Strader

List of Publications by Year
in descending order

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	Structural Aspects of Auxin Signaling. Cold Spring Harbor Perspectives in Biology, 2022, 14, a039883.	5.5	20
2	Creativity comes from interactions: modules of protein interactions in plants. FEBS Journal, 2022, 289, 1492-1514.	4.7	5
3	Plant transcription factors â€" being in the right place with the right company. Current Opinion in Plant Biology, 2022, 65, 102136.	7.1	63
4	Beating the heat: Phase separation in plant stress granules. Developmental Cell, 2022, 57, 563-565.	7.0	5
5	Connected phytohormone biosynthesis pathways at the core of growth-stress tradeoffs. Molecular Plant, 2022, 15, 1087-1089.	8.3	1
6	Intrinsic and extrinsic regulators of Aux/IAA protein degradation dynamics. Trends in Biochemical Sciences, 2022, 47, 865-874.	7.5	20
7	Regulation of AUXIN RESPONSE FACTOR condensation and nucleo-cytoplasmic partitioning. Nature Communications, 2022, 13, .	12.8	27
8	Nucleocytoplasmic partitioning as a mechanism to regulate Arabidopsis signaling events. Current Opinion in Cell Biology, 2021, 69, 136-141.	5.4	9
9	Is transcriptional regulation just going through a phase?. Molecular Cell, 2021, 81, 1579-1585.	9.7	27
10	Biological Phase Separation and Biomolecular Condensates in Plants. Annual Review of Plant Biology, 2021, 72, 17-46.	18.7	53
11	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
12	Plant promoter-proximal pausing?. Nature Plants, 2021, 7, 862-863.	9.3	5
13	Direct photoresponsive inhibition of a p53-like transcription activation domain in PIF3 by Arabidopsis phytochrome B. Nature Communications, 2021, 12, 5614.	12.8	18
14	Architecture and plasticity: optimizing plant performance in dynamic environments. Plant Physiology, 2021, 187, 1029-1032.	4.8	12
15	ABA homeostasis and long-distance translocation are redundantly regulated by ABCG ABA importers. Science Advances, 2021, 7, eabf6069.	10.3	34
16	Regulation of auxin transcriptional responses. Developmental Dynamics, 2020, 249, 483-495.	1.8	65
17	A Prion-based Thermosensor in Plants. Molecular Cell, 2020, 80, 181-182.	9.7	6
18	Emerging Roles for Phase Separation in Plants. Developmental Cell, 2020, 55, 69-83.	7.0	84

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19	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
20	I Will Survive: How NPR1 Condensation Promotes Plant Cell Survival. Cell, 2020, 182, 1072-1074.	28.9	5
21	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
22	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
23	Auxin-Abscisic Acid Interactions in Plant Growth and Development. Biomolecules, 2020, 10, 281.	4.0	95
24	Old Town Roads: routes of auxin biosynthesis across kingdoms. Current Opinion in Plant Biology, 2020, 55, 21-27.	7.1	54
25	Nucleo-cytoplasmic Partitioning of ARF Proteins Controls Auxin Responses in Arabidopsis thaliana. Molecular Cell, 2019, 76, 177-190.e5.	9.7	165
26	TRANSPORTER OF IBA1 Links Auxin and Cytokinin to Influence Root Architecture. Developmental Cell, 2019, 50, 599-609.e4.	7.0	37
27	Indole 3-Butyric Acid Metabolism and Transport in Arabidopsis thaliana. Frontiers in Plant Science, 2019, 10, 851.	3.6	55
28	Interplay of Auxin and Cytokinin in Lateral Root Development. International Journal of Molecular Sciences, 2019, 20, 486.	4.1	111
29	Kinase MPK17 and the Peroxisome Division Factor PMD1 Influence Salt-induced Peroxisome Proliferation. Plant Physiology, 2018, 176, 340-351.	4.8	26
30	Roles for IBA-derived auxin in plant development. Journal of Experimental Botany, 2018, 69, 169-177.	4.8	118
31	Locally Sourced: Auxin Biosynthesis and Transport in the Root Meristem. Developmental Cell, 2018, 47, 262-264.	7.0	10
32	Structural Biology of Auxin Signal Transduction. , 2018, , 49-66.		2
33	An Arabidopsis kinase cascade influences auxinâ€responsive cell expansion. Plant Journal, 2017, 92, 68-81.	5.7	49
34	Auxin perception and downstream events. Current Opinion in Plant Biology, 2016, 33, 8-14.	7.1	77
35	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
36	Up in the air: Untethered Factors of Auxin Response. F1000Research, 2016, 5, 133.	1.6	13

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37	The Early-Acting Peroxin PEX19 Is Redundantly Encoded, Farnesylated, and Essential for Viability in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0148335.	2.5	15
38	Refining the nuclear auxin response pathway through structural biology. Current Opinion in Plant Biology, 2015, 27, 22-28.	7.1	40
39	Auxin activity: Past, present, and future. American Journal of Botany, 2015, 102, 180-196.	1.7	248
40	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
41	Gateway-compatible tissue-specific vectors for plant transformation. BMC Research Notes, 2015, 8, 63.	1.4	37
42	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
43	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
44	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
45	IBA Transport by PDR Proteins. Signaling and Communication in Plants, 2014, , 313-331.	0.7	6
46	Auxin biosynthesis and storage forms. Journal of Experimental Botany, 2013, 64, 2541-2555.	4.8	431
47	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
48	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
49	Transport and Metabolism of the Endogenous Auxin Precursor Indole-3-Butyric Acid. Molecular Plant, 2011, 4, 477-486.	8.3	179
50	Multiple Facets of<i>Arabidopsis</i>Seedling Development Require  Indole-3-Butyric Acidâ€"Derived Auxin. Plant Cell, 2011, 23, 984-999.	6.6	149
51	Ethylene directs auxin to control root cell expansion. Plant Journal, 2010, 64, 874-884.	5.7	149
52	<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
53	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
54	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

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55	Silver Ions Increase Auxin Efflux Independently of Effects on Ethylene Response. Plant Cell, 2009, 21, 3585-3590.	6.6	80
56	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
57	A new path to auxin. Nature Chemical Biology, 2008, 4, 337-339.	8.0	51
58	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
59	Arabidopsis <i>iba response5</i> Suppressors Separate Responses to Various Hormones. Genetics, 2008, 180, 2019-2031.	2.9	49
60	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
61	The ArabidopsisSLEEPY1Gene Encodes a Putative F-Box Subunit of an SCF E3 Ubiquitin Ligase[W]. Plant Cell, 2003, 15, 1120-1130.	6.6	505
62	TRANSPORTER OF IBA1 Links Auxin and Cytokinin to Influence Root Architecture. SSRN Electronic Journal, 0, , .	0.4	3