## Isabel Bäurle

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/303148/publications.pdf Version: 2024-02-01



ISAREL RÃODIE

#	Article	IF	CITATIONS
1	The Timing of Developmental Transitions in Plants. Cell, 2006, 125, 655-664.	28.9	554
2	Epigenetic and chromatin-based mechanisms in environmental stress adaptation and stress memory in plants. Genome Biology, 2017, 18, 124.	8.8	534
3	<i>Arabidopsis miR156</i> Regulates Tolerance to Recurring Environmental Stress through <i>SPL</i> Transcription Factors. Plant Cell, 2014, 26, 1792-1807.	6.6	511
4	The Arabidopsis BODENLOS gene encodes an auxin response protein inhibiting MONOPTEROS-mediated embryo patterning. Genes and Development, 2002, 16, 1610-1615.	5.9	485
5	Priming and memory of stress responses in organisms lacking a nervous system. Biological Reviews, 2016, 91, 1118-1133.	10.4	388
6	Interaction of the Response Regulator ARR4 with Phytochrome B in Modulating Red Light Signaling. Science, 2001, 294, 1108-1111.	12.6	299
7	A hitâ€andâ€run heat shock factor governs sustained histone methylation and transcriptional stress memory. EMBO Journal, 2016, 35, 162-175.	7.8	299
8	The Arabidopsis RNA-Binding Protein FCA Requires a Lysine-Specific Demethylase 1 Homolog to Downregulate FLC. Molecular Cell, 2007, 28, 398-407.	9.7	290
9	Widespread Role for the Flowering-Time Regulators FCA and FPA in RNA-Mediated Chromatin Silencing. Science, 2007, 318, 109-112.	12.6	161
10	Arabidopsis FORGETTER1 mediates stress-induced chromatin memory through nucleosome remodeling. ELife, 2016, 5, .	6.0	152
11	An H3K27me3 demethylase-HSFA2 regulatory loop orchestrates transgenerational thermomemory in Arabidopsis. Cell Research, 2019, 29, 379-390.	12.0	149
12	FRIGIDA Delays Flowering in Arabidopsis via a Cotranscriptional Mechanism Involving Direct Interaction with the Nuclear Cap-Binding Complex Â. Plant Physiology, 2009, 150, 1611-1618.	4.8	130
13	Chromatinâ€based mechanisms of temperature memory in plants. Plant, Cell and Environment, 2019, 42, 762-770.	5.7	125
14	Apical meristems: the plant's fountain of youth. BioEssays, 2003, 25, 961-970.	2.5	113
15	Heteromeric HSFA2/HSFA3 complexes drive transcriptional memory after heat stress in Arabidopsis. Nature Communications, 2021, 12, 3426.	12.8	100
16	Distinct heat shock factors and chromatin modifications mediate the organâ€autonomous transcriptional memory of heat stress. Plant Journal, 2018, 95, 401-413.	5.7	99
17	Plant Heat Adaptation: priming in response to heat stress. F1000Research, 2016, 5, 694.	1.6	97
18	Regulation of WUSCHEL Transcription in the Stem Cell Niche of the Arabidopsis Shoot Meristem. Plant Cell, 2005, 17, 2271-2280.	6.6	90

Isabel Bärle

#	Article	IF	CITATIONS
19	Presence versus absence of CYP734A50 underlies the style-length dimorphism in primroses. ELife, 2016, 5, .	6.0	86
20	Arabidopsisphytochromes C and E have different spectral characteristics from those of phytochromes A and B. FEBS Letters, 2000, 470, 107-112.	2.8	78
21	RNA 3′ processing functions of <i>Arabidopsis</i> FCA and FPA limit intergenic transcription. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8508-8513.	7.1	75
22	Epigenetic regulation of abiotic stress memory: maintaining the good things while they last. Current Opinion in Plant Biology, 2021, 61, 102007.	7.1	70
23	Genetics, Evolution, and Adaptive Significance of the Selfing Syndrome in the Genus <i>Capsella</i> Â Â. Plant Cell, 2011, 23, 3156-3171.	6.6	66
24	BRUSHY1/TONSOKU/MGOUN3 is required for heat stress memory. Plant, Cell and Environment, 2019, 42, 771-781.	5.7	65
25	Differential Interactions of the Autonomous Pathway RRM Proteins and Chromatin Regulators in the Silencing of Arabidopsis Targets. PLoS ONE, 2008, 3, e2733.	2.5	64
26	Chromatin regulation of somatic abiotic stress memory. Journal of Experimental Botany, 2020, 71, 5269-5279.	4.8	59
27	Differential Expression and Nuclear Localization of Response Regulatorâ€Like Proteins from <i>Arabidopsis thaliana</i> <sup>1</sup> . Plant Biology, 1999, 1, 495-505.	3.8	57
28	Epigenetic regulation of thermomorphogenesis and heat stress tolerance. New Phytologist, 2022, 234, 1144-1160.	7.3	54
29	Epigenetic responses to heat stress at different time scales and the involvement of small RNAs. Plant Signaling and Behavior, 2014, 9, e970430.	2.4	42
30	HSFA2 orchestrates transcriptional dynamics after heat stress in <i>Arabidopsis thaliana</i> . Transcription, 2016, 7, 111-114.	3.1	38
31	Altered interactions within FY/AtCPSF complexes required for <i>Arabidopsis</i> FCA-mediated chromatin silencing. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8772-8777.	7.1	36
32	Can't remember to forget you: Chromatin-based priming of somatic stress responses. Seminars in Cell and Developmental Biology, 2018, 83, 133-139.	5.0	34
33	FORGETTER2 protein phosphatase and phospholipase D modulate heat stress memory in Arabidopsis. Plant Journal, 2020, 104, 7-17.	5.7	29
34	The <i>Arabidopsis</i> epigenetic regulator ICU11 as an accessory protein of Polycomb Repressive Complex 2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16660-16666.	7.1	26
35	Inducible epigenome editing probes for the role of histone H3K4 methylation in Arabidopsis heat stress memory. Plant Physiology, 2022, 189, 703-714.	4.8	24
36	A JUMONJI Protein with E3 Ligase and Histone H3 Binding Activities Affects Transposon Silencing in Arabidopsis. Plant Physiology, 2016, 171, 344-358.	4.8	18

#	Article	IF	CITATIONS
37	eQTL Mapping of Transposon Silencing Reveals a Position-Dependent Stable Escape from Epigenetic Silencing and Transposition of <i>AtMu1</i> in the <i>Arabidopsis</i> Lineage. Plant Cell, 2014, 26, 3261-3271.	6.6	12
38	Get the jump – Do 3′UTRs protect transposable elements from silencing?. Mobile Genetic Elements, 2015, 5, 51-54.	1.8	2