

# Isabel Bäurle

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

5,520  
citations

147566

31  
h-index

315357

38  
g-index

67  
all docs

67  
docs citations

67  
times ranked

5727  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Timing of Developmental Transitions in Plants. <i>Cell</i> , 2006, 125, 655-664.  | 13.5 | 554       |
| 2  | Epigenetic and chromatin-based mechanisms in environmental stress adaptation and stress memory in plants. <i>Genome Biology</i> , 2017, 18, 124.  | 3.8  | 534       |
| 3  | <i>Arabidopsis</i> miR156 Regulates Tolerance to Recurring Environmental Stress through SPL Transcription Factors. <i>Plant Cell</i> , 2014, 26, 1792-1807.   | 3.1  | 511       |
| 4  | The <i>Arabidopsis</i> BODENLOS gene encodes an auxin response protein inhibiting MONOPTEROS-mediated embryo patterning. <i>Genes and Development</i> , 2002, 16, 1610-1615.                        | 2.7  | 485       |
| 5  | Priming and memory of stress responses in organisms lacking a nervous system. <i>Biological Reviews</i> , 2016, 91, 1118-1133.  | 4.7  | 388       |
| 6  | Interaction of the Response Regulator ARR4 with Phytochrome B in Modulating Red Light Signaling. <i>Science</i> , 2001, 294, 1108-1111.   | 6.0  | 299       |
| 7  | A heat shock factor governs sustained histone methylation and transcriptional stress memory. <i>EMBO Journal</i> , 2016, 35, 162-175.   | 3.5  | 299       |
| 8  | The <i>Arabidopsis</i> RNA-Binding Protein FCA Requires a Lysine-Specific Demethylase 1 Homolog to Downregulate FLC. <i>Molecular Cell</i> , 2007, 28, 398-407.                                     | 4.5  | 290       |
| 9  | Widespread Role for the Flowering-Time Regulators FCA and FPA in RNA-Mediated Chromatin Silencing. <i>Science</i> , 2007, 318, 109-112.   | 6.0  | 161       |
| 10 | <i>Arabidopsis</i> FORGETTER1 mediates stress-induced chromatin memory through nucleosome remodeling. <i>ELife</i> , 2016, 5, .   | 2.8  | 152       |
| 11 | An H3K27me3 demethylase-HSFA2 regulatory loop orchestrates transgenerational thermomemory in <i>Arabidopsis</i> . <i>Cell Research</i> , 2019, 29, 379-390.   | 5.7  | 149       |
| 12 | FRIGIDA Delays Flowering in <i>Arabidopsis</i> via a Cotranscriptional Mechanism Involving Direct Interaction with the Nuclear Cap-Binding Complex. <i>Plant Physiology</i> , 2009, 150, 1611-1618. | 2.3  | 130       |
| 13 | Chromatin-based mechanisms of temperature memory in plants. <i>Plant, Cell and Environment</i> , 2019, 42, 762-770.   | 2.8  | 125       |
| 14 | Apical meristems: the plant's fountain of youth. <i>BioEssays</i> , 2003, 25, 961-970.  | 1.2  | 113       |
| 15 | Heteromeric HSFA2/HSFA3 complexes drive transcriptional memory after heat stress in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2021, 12, 3426.   | 5.8  | 100       |
| 16 | Distinct heat shock factors and chromatin modifications mediate the autonomous transcriptional memory of heat stress. <i>Plant Journal</i> , 2018, 95, 401-413.                                     | 2.8  | 99        |
| 17 | Plant Heat Adaptation: priming in response to heat stress. <i>F1000Research</i> , 2016, 5, 694.   | 0.8  | 97        |
| 18 | Regulation of WUSCHEL Transcription in the Stem Cell Niche of the <i>Arabidopsis</i> Shoot Meristem. <i>Plant Cell</i> , 2005, 17, 2271-2280.   | 3.1  | 90        |

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|----|--|-----|-----------|
| 19 | Presence versus absence of CYP734A50 underlies the style-length dimorphism in primroses. <i>ELife</i> , 2016, 5, .   | 2.8 | 86        |
| 20 | Arabidopsis phytochromes C and E have different spectral characteristics from those of phytochromes A and B. <i>FEBS Letters</i> , 2000, 470, 107-112.   | 1.3 | 78        |
| 21 | RNA 3' processing functions of <i>Arabidopsis</i> FCA and FPA limit intergenic transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8508-8513.                     | 3.3 | 75        |
| 22 | Epigenetic regulation of abiotic stress memory: maintaining the good things while they last. <i>Current Opinion in Plant Biology</i> , 2021, 61, 102007.   | 3.5 | 70        |
| 23 | Genetics, Evolution, and Adaptive Significance of the Selfing Syndrome in the Genus <i>Capsella</i> . <i>Plant Cell</i> , 2011, 23, 3156-3171.   | 3.1 | 66        |
| 24 | BRUSHY1/TONSOKU/MGOUN3 is required for heat stress memory. <i>Plant, Cell and Environment</i> , 2019, 42, 771-781.   | 2.8 | 65        |
| 25 | Differential Interactions of the Autonomous Pathway RRM Proteins and Chromatin Regulators in the Silencing of <i>Arabidopsis</i> Targets. <i>PLoS ONE</i> , 2008, 3, e2733.  | 1.1 | 64        |
| 26 | Chromatin regulation of somatic abiotic stress memory. <i>Journal of Experimental Botany</i> , 2020, 71, 5269-5279.  | 2.4 | 59        |
| 27 | Differential Expression and Nuclear Localization of Response Regulator-Like Proteins from <i>Arabidopsis thaliana</i> . <i>Plant Biology</i> , 1999, 1, 495-505.   | 1.8 | 57        |
| 28 | Epigenetic regulation of thermomorphogenesis and heat stress tolerance. <i>New Phytologist</i> , 2022, 234, 1144-1160.   | 3.5 | 54        |
| 29 | Epigenetic responses to heat stress at different time scales and the involvement of small RNAs. <i>Plant Signaling and Behavior</i> , 2014, 9, e970430.  | 1.2 | 42        |
| 30 | HSFA2 orchestrates transcriptional dynamics after heat stress in <i>Arabidopsis thaliana</i> . <i>Transcription</i> , 2016, 7, 111-114.  | 1.7 | 38        |
| 31 | Altered interactions within FY/AtCPSF complexes required for <i>Arabidopsis</i> FCA-mediated chromatin silencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8772-8777. | 3.3 | 36        |
| 32 | Can't remember to forget you: Chromatin-based priming of somatic stress responses. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 133-139.  | 2.3 | 34        |
| 33 | FORGETTER2 protein phosphatase and phospholipase D modulate heat stress memory in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 104, 7-17.   | 2.8 | 29        |
| 34 | The <i>Arabidopsis</i> epigenetic regulator ICU11 as an accessory protein of Polycomb Repressive Complex 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16660-16666.     | 3.3 | 26        |
| 35 | Inducible epigenome editing probes for the role of histone H3K4 methylation in <i>Arabidopsis</i> heat stress memory. <i>Plant Physiology</i> , 2022, 189, 703-714.  | 2.3 | 24        |
| 36 | A JUMONJI Protein with E3 Ligase and Histone H3 Binding Activities Affects Transposon Silencing in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 171, 344-358.  | 2.3 | 18        |

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|----|---|-----|-----------|
| 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. <i>Plant Cell</i> , 2014, 26, 3261-3271. | 3.1 | 12        |
| 38 | Get the jump – Do 3'UTRs protect transposable elements from silencing?. <i>Mobile Genetic Elements</i> , 2015, 5, 51-54.  | 1.8 | 2         |