# Thomas Greb

List of Publications by Year
in descending order



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|---|---|---|---|
| 45 papers | 4,626 citations | 186265 28 h-index | 243625 44 g-index |
| 70 all docs | 70 docs citations | 70 times ranked | 5245 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Strigo-D2â€"a bio-sensor for monitoring spatio-temporal strigolactone signaling patterns in intact plants. Plant Physiology, 2022, 188, 97-110. | 4.8 | 7 |
| 2 | Control of cambium initiation and activity in Arabidopsis by the transcriptional regulator AHL15. Current Biology, 2022, 32, 1764-1775.e3. | 3.9 | 21 |
| 3 | Cell Fate Decisions Within the Vascular Cambiumâ€"Initiating Wood and Bast Formation. Frontiers in Plant Science, 2022, 13, 864422. | 3.6 | 6 |
| 4 | A 3D gene expression atlas of the floral meristem based on spatial reconstruction of single nucleus RNA sequencing data. Nature Communications, 2022, 13, . | 12.8 | 31 |
| 5 | Tissue-specific transcriptome profiling of the Arabidopsis inflorescence stem reveals local cellular signatures. Plant Cell, 2021, 33, 200-223. | 6.6 | 48 |
| 6 | <i>SUPPRESSOR OF MAX2 1â€ŁLIKE 5</i> promotes secondary phloem formation during radial stem growth. Plant Journal, 2020, 102, 903-915. | 5.7 | 19 |
| 7 | Plant Development: How Phloem Patterning Occurs. Current Biology, 2020, 30, R217-R219. | 3.9 | 4 |
| 8 | Genetic space of radial plant growth. Nature Plants, 2019, 5, 1032-1032. | 9.3 | 0 |
| 9 | WUSCHEL acts as an auxin response rheostat to maintain apical stem cells in Arabidopsis. Nature Communications, 2019, 10, 5093. | 12.8 | 143 |
| 10 | How to organize bidirectional tissue production?. Current Opinion in Plant Biology, 2019, 51, 15-21. | 7.1 | 15 |
| 11 | Inducible, Cell Type-Specific Expression in <em>Arabidopsis thaliana</em> Through LhGR-Mediated <em>Trans</em>-Activation. Journal of Visualized Experiments, 2019, , . | 0.3 | 1 |
| 12 | The Phloem as a Mediator of Plant Growth Plasticity. Current Biology, 2019, 29, R173-R181. | 3.9 | 32 |
| 13 | Bifacial cambium stem cells generate xylem and phloem during radial plant growth. Development (Cambridge), 2019, 146, . | 2.5 | 77 |
| 14 | Mobile PEAR transcription factors integrate positional cues to prime cambial growth. Nature, 2019, 565, 490-494. | 27.8 | 195 |
| 15 | Spatial specificity of auxin responses coordinates wood formation. Nature Communications, 2018, 9, 875. | 12.8 | 110 |
| 16 | Secondary growth as a determinant of plant shape and form. Seminars in Cell and Developmental Biology, 2018, 79, 58-67. | 5.0 | 69 |
| 17 | Translational control of phloem development by RNA G-quadruplexâ€"JULGI determines plant sink strength. Nature Plants, 2018, 4, 376-390. | 9.3 | 50 |
| 18 | BIL1-mediated MP phosphorylation integrates PXY and cytokinin signalling in secondary growth. Nature Plants, 2018, 4, 605-614. | 9.3 | 71 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Comprehensive Toolkit for Inducible, Cell Type-Specific Gene Expression in Arabidopsis. Plant Physiology, 2018, 178, 40-53. | 4.8 | 73 |
| 20 | Cell polarity in plants: the Yin and Yang of cellular functions. Current Opinion in Plant Biology, 2017, 35, 105-110. | 7.1 | 23 |
| 21 | Bifacial stem cell niches in fish and plants. Current Opinion in Genetics and Development, 2017, 45, 28-33. | 3.3 | 14 |
| 22 | Strigolactone- and Karrikin-Independent SMXL Proteins Are Central Regulators of Phloem Formation. Current Biology, 2017, 27, 1241-1247. | 3.9 | 117 |
| 23 | Radial plant growth. Current Biology, 2017, 27, R878-R882. | 3.9 | 21 |
| 24 | <i><scp>MOL</scp>1</i> is required for cambium homeostasis in Arabidopsis. Plant Journal, 2016, 86, 210-220. | 5.7 | 55 |
| 25 | Plant Stem Cells. Current Biology, 2016, 26, R816-R821. | 3.9 | 129 |
| 26 | Mapping the subcellular mechanical properties of live cells in tissues with fluorescence emissionâ€"Brillouin imaging. Science Signaling, 2016, 9, rs5. | 3.6 | 153 |
| 27 | Strigolactone versus gibberellin signaling: reemerging concepts?. Planta, 2016, 243, 1339-1350. | 3.2 | 32 |
| 28 | (Pro)cambium formation and proliferation: two sides of the same coin?. Current Opinion in Plant Biology, 2015, 23, 54-60. | 7.1 | 75 |
| 29 | Longâ€•and shortâ€distance signaling in the regulation of lateral plant growth. Physiologia Plantarum, 2014, 151, 134-141. | 5.2 | 21 |
| 30 | Going with the wind â€" Adaptive dynamics of plant secondary meristems. Mechanisms of Development, 2013, 130, 34-44. | 1.7 | 37 |
| 31 | Correction for Agusti et al., Strigolactone signaling is required for auxin-dependent stimulation of secondary growth in plants. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14277-14277. | 7.1 | 3 |
| 32 | Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. Plant Cell, 2012, 24, 2262-2278. | 6.6 | 155 |
| 33 | Strigolactones Suppress Adventitious Rooting in Arabidopsis and Pea Â Â Â. Plant Physiology, 2012, 158, 1976-1987. | 4.8 | 286 |
| 34 | From thin to thick: major transitions during stem development. Trends in Plant Science, 2012, 17, 113-121. | 8.8 | 79 |
| 35 | Genomeâ€wide bindingâ€site analysis of REVOLUTA reveals a link between leaf patterning and lightâ€mediated growth responses. Plant Journal, 2012, 72, 31-42. | 5.7 | 120 |
| 36 | <i>WOX4</i> Imparts Auxin Responsiveness to Cambium Cells in <i>Arabidopsis</i> Â Â Â. Plant Cell, 2011, 23, 3247-3259. | 6.6 | 230 |

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|---|---|---|---|
| 37 | Strigolactone signaling is required for auxin-dependent stimulation of secondary growth in plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20242-20247. | 7.1 | 348 |
| 38 | Characterization of Transcriptome Remodeling during Cambium Formation Identifies MOL1 and RUL1 As Opposing Regulators of Secondary Growth. PLoS Genetics, 2011, 7, e1001312. | 3.5 | 133 |
| 39 | Analysis of secondary growth in the Arabidopsis shoot reveals a positive role of jasmonate signalling in cambium formation. Plant Journal, 2010, 63, 811-822. | 5.7 | 198 |
| 40 | Interplay of miR164, <i>CUPâ€SHAPED COTYLEDON</i> genes and <i>LATERAL SUPPRESSOR</i> controls axillary meristem formation in <i>Arabidopsis thaliana</i>. Plant Journal, 2008, 55, 65-76. | 5.7 | 246 |
| 41 | A PHD-Polycomb Repressive Complex 2 triggers the epigenetic silencing of <i>FLC</i> during vernalization. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16831-16836. | 7.1 | 438 |
| 42 | The PHD Finger Protein VRN5 Functions in the Epigenetic Silencing of Arabidopsis FLC. Current Biology, 2007, 17, 73-78. | 3.9 | 251 |
| 43 | Epigenetic Regulation in the Control of Flowering. Cold Spring Harbor Symposia on Quantitative Biology, 2004, 69, 457-464. | 1.1 | 18 |
| 44 | Molecular analysis of the LATERAL SUPPRESSOR gene in Arabidopsis reveals a conserved control mechanism for axillary meristem formation. Genes and Development, 2003, 17, 1175-1187. | 5.9 | 446 |
| 45 | Isolation and characterization of the Spindly homologue from tomato. Journal of Experimental Botany, 2002, 53, 1829-1830. | 4.8 | 9 |