# Martin Bayer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/385834/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 31 papers | 1,361 citations | 430843 18 h-index | 434170 31 g-index |
| 34 all docs | 34 docs citations | 34 times ranked | 1914 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Processing of a plant peptide hormone precursor facilitated by posttranslational tyrosine sulfation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201195119. | 7.1 | 12 |
| 2 | Auxin and gibberellin signaling cross-talk promotes hypocotyl xylem expansion and cambium homeostasis. Journal of Experimental Botany, 2021, 72, 3647-3660. | 4.8 | 32 |
| 3 | Independent parental contributions initiate zygote polarization in Arabidopsis thaliana. Current Biology, 2021, 31, 4810-4816.e5. | 3.9 | 12 |
| 4 | Zygotic Embryogenesis in Flowering Plants. Methods in Molecular Biology, 2021, 2288, 73-88. | 0.9 | 1 |
| 5 | Endoplasmic reticulum membrane receptors of the GET pathway are conserved throughout eukaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 13 |
| 6 | Square one: zygote polarity and early embryogenesis in flowering plants. Current Opinion in Plant Biology, 2020, 53, 128-133. | 7.1 | 15 |
| 7 | The integral spliceosomal component CWC15 is required for development in Arabidopsis. Scientific Reports, 2020, 10, 13336. | 3.3 | 9 |
| 8 | Constitutive Activation of Leucine-Rich Repeat Receptor Kinase Signaling Pathways by BAK1-INTERACTING RECEPTOR-LIKE KINASE3 Chimera. Plant Cell, 2020, 32, 3311-3323. | 6.6 | 22 |
| 9 | The Cdk1/Cdk2 homolog CDKA;1 controls the recombination landscape in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12534-12539. | 7.1 | 35 |
| 10 | Constitutive signaling activity of a receptor-associated protein links fertilization with embryonic patterning in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5795-5804. | 7.1 | 39 |
| 11 | Concerted Action of Evolutionarily Ancient and Novel SNARE Complexes in Flowering-Plant Cytokinesis. Developmental Cell, 2018, 44, 500-511.e4. | 7.0 | 35 |
| 12 | Cell Type-Specific Gene Expression Profiling Using Fluorescence-Activated Nuclear Sorting. Methods in Molecular Biology, 2017, 1629, 27-35. | 0.9 | 7 |
| 13 | Staining and Clearing of Arabidopsis Reproductive Tissue for Imaging of Fluorescent Proteins. Methods in Molecular Biology, 2017, 1669, 87-94. | 0.9 | 4 |
| 14 | Evolutionarily diverse <scp>SYP</scp>1 Qaâ€<scp>SNARE</scp>s jointly sustain pollen tube growth in Arabidopsis. Plant Journal, 2017, 92, 375-385. | 5.7 | 43 |
| 15 | Early plant embryogenesis â€" dark ages or dark matter?. Current Opinion in Plant Biology, 2017, 35, 30-36. | 7.1 | 30 |
| 16 | A Versatile Optical Clearing Protocol for Deep Tissue Imaging of Fluorescent Proteins in Arabidopsis thaliana. PLoS ONE, 2016, 11, e0161107. | 2.5 | 37 |
| 17 | Use of SCRI Renaissance 2200 (SR2200) as a Versatile Dye for Imaging of Developing Embryos, Whole Ovules, Pollen Tubes and Roots. Bio-protocol, 2016, 6, . | 0.4 | 11 |
| 18 | A simple and versatile cell wall staining protocol to study plant reproduction. Plant Reproduction, 2015, 28, 161-169. | 2.2 | 99 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Profiling of embryonic nuclear vs. cellular RNA in Arabidopsis thaliana. Genomics Data, 2015, 4, 96-98. | 1.3 | 15 |
| 20 | Plant Polygalacturonases Involved in Cell Elongation and Separationâ€"The Same but Different?. Plants, 2014, 3, 613-623. | 3.5 | 30 |
| 21 | YODA signalling in the early Arabidopsis embryo. Biochemical Society Transactions, 2014, 42, 408-412. | 3.4 | 24 |
| 22 | Patterning Cues from the Altruistic Sibling. Science, 2014, 344, 158-159. | 12.6 | 1 |
| 23 | Cell type-specific transcriptome analysis in the early Arabidopsis thaliana embryo. Development (Cambridge), 2014, 141, 4831-4840. | 2.5 | 69 |
| 24 | Suspensor Length Determines Developmental Progression of the Embryo in Arabidopsis. Plant Physiology, 2013, 162, 1448-1458. | 4.8 | 43 |
| 25 | Different Auxin Response Machineries Control Distinct Cell Fates in the Early Plant Embryo. Developmental Cell, 2012, 22, 211-222. | 7.0 | 176 |
| 26 | Taking the very first steps: from polarity to axial domains in the early Arabidopsis embryo. Journal of Experimental Botany, 2011, 62, 1687-1697. | 4.8 | 37 |
| 27 | The GATA Factor HANABA TARANU Is Required to Position the Proembryo Boundary in the Early Arabidopsis Embryo. Developmental Cell, 2010, 19, 103-113. | 7.0 | 64 |
| 28 | Paternal Control of Embryonic Patterning in Arabidopsis thaliana. Science, 2009, 323, 1485-1488. | 12.6 | 298 |
| 29 | Endogenous TasiRNAs Mediate Non-Cell Autonomous Effects on Gene Regulation in Arabidopsis thaliana. PLoS ONE, 2009, 4, e5980. | 2.5 | 92 |
| 30 | Talk global, act localâ€"patterning the Arabidopsis embryo. Current Opinion in Plant Biology, 2008, 11, 28-33. | 7.1 | 36 |
| 31 | Restoring full pollen fertility in transgenic male-sterile tobacco (Nicotiana tabacum L.) by Cre-mediated site-specific recombination. Molecular Breeding, 2005, 15, 193-203. | 2.1 | 16 |