# Alexis Maizel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/881858/publications.pdf

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| 51 | 4,014 | 172457 | 189892 |
|---|---|---|---|
| papers | citations | 29 h-index | 50 g-index |

| 67 | 67 | 67 | 5033 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PLETHORAâ€WOX5 interaction and subnuclear localization control Arabidopsis root stem cell maintenance. EMBO Reports, 2022, 23, e54105. | 4.5 | 24 |
| 2 | Microtubule-based perception of mechanical conflicts controls plant organ morphogenesis. Science Advances, 2022, 8, eabm4974. | 10.3 | 15 |
| 3 | Tissue-wide integration of mechanical cues promotes effective auxin patterning. European Physical Journal Plus, 2021, 136, 1. | 2.6 | 5 |
| 4 | Integration of Cell Growth and Asymmetric Division during Lateral Root Initiation in Arabidopsis thaliana. Plant and Cell Physiology, 2021, 62, 1269-1279. | 3.1 | 16 |
| 5 | Understanding lateral root formation, one cell at a time. Molecular Plant, 2021, 14, 1229-1231. | 8.3 | 1 |
| 6 | Seeing is Believing: Advances in Plant Imaging Technologies. Plant and Cell Physiology, 2021, 62, 1217-1220. | 3.1 | 3 |
| 7 | Novel Imaging Modalities Shedding Light on Plant Biology: Start Small and Grow Big. Annual Review of Plant Biology, 2020, 71, 789-816. | 18.7 | 22 |
| 8 | Plant growth and development: new answers to old questions?. Current Opinion in Plant Biology, 2020, 53, A1-A2. | 7.1 | 0 |
| 9 | To move or not to move: roles and specificity of plant RNA mobility. Current Opinion in Plant Biology, 2020, 57, 52-60. | 7.1 | 34 |
| 10 | Cell Death in Cells Overlying Lateral Root Primordia Facilitates Organ Growth in Arabidopsis. Current Biology, 2020, 30, 455-464.e7. | 3.9 | 34 |
| 11 | Early developmental plasticity of lateral roots in response to asymmetric water availability. Nature Plants, 2020, 6, 73-77. | 9.3 | 23 |
| 12 | Accurate and versatile 3D segmentation of plant tissues at cellular resolution. ELife, 2020, 9, . | 6.0 | 155 |
| 13 | Cytoskeleton Dynamics Are Necessary for Early Events of Lateral Root Initiation in Arabidopsis. Current Biology, 2019, 29, 2443-2454.e5. | 3.9 | 63 |
| 14 | EXPANSIN A1-mediated radial swelling of pericycle cells positions anticlinal cell divisions during lateral root initiation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8597-8602. | 7.1 | 71 |
| 15 | ARF5/MONOPTEROS directly regulates miR390 expression in the Arabidopsis thaliana primary root meristem. Plant Direct, 2019, 3, e00116. | 1.9 | 29 |
| 16 | Green light for quantitative live-cell imaging in plants. Journal of Cell Science, 2018, 131, . | 2.0 | 71 |
| 17 | Plant Biology: The Making of an Epithelium. Current Biology, 2018, 28, R931-R933. | 3.9 | 1 |
| 18 | Morphological Plant Modeling: Unleashing Geometric and Topological Potential within the Plant Sciences. Frontiers in Plant Science, 2017, 8, 900. | 3.6 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Plant Organ Growth: Stopping Under Stress. Current Biology, 2016, 26, R417-R419. | 3.9 | 2 |
| 20 | Sensitive whole mount inÂsitu localization of small <scp>RNA</scp>s in plants. Plant Journal, 2016, 88, 694-702. | 5.7 | 19 |
| 21 | Light sheet microscopy and live imaging of plants. Journal of Microscopy, 2016, 263, 158-164. | 1.8 | 34 |
| 22 | Differentially expressed small <scp>RNA</scp>s in Arabidopsis galls formed by Meloidogyne javanica: a functional role for miR390 and its <scp>TAS</scp>3â€derived tasi<scp>RNA</scp>s. New Phytologist, 2016, 209, 1625-1640. | 7.3 | 86 |
| 23 | Rules and Self-Organizing Properties of Post-embryonic Plant Organ Cell Division Patterns. Current Biology, 2016, 26, 439-449. | 3.9 | 150 |
| 24 | A View to a Kill: Markers for Developmentally Regulated Cell Death in Plants. Plant Physiology, 2015, 169, 2341-2341. | 4.8 | 6 |
| 25 | In plants, decapping prevents RDR6-dependent production of small interfering RNAs from endogenous mRNAs. Nucleic Acids Research, 2015, 43, 2902-2913. | 14.5 | 107 |
| 26 | Talking through walls: mechanisms of lateral root emergence in Arabidopsis thaliana. Current Opinion in Plant Biology, 2015, 23, 31-38. | 7.1 | 101 |
| 27 | Postâ€transcriptional regulation in root development. Wiley Interdisciplinary Reviews RNA, 2014, 5, 679-696. | 6.4 | 17 |
| 28 | Traffic into silence: endomembranes and post-transcriptional RNA silencing. EMBO Journal, 2014, 33, 968-980. | 7.8 | 69 |
| 29 | Live Imaging of Arabidopsis Development. Methods in Molecular Biology, 2014, 1062, 539-550. | 0.9 | 14 |
| 30 | A Spatial Accommodation by Neighboring Cells Is Required for Organ Initiation in Arabidopsis. Science, 2014, 343, 178-183. | 12.6 | 262 |
| 31 | Single-cell-based system to monitor carrier driven cellular auxin homeostasis. BMC Plant Biology, 2013, 13, 20. | 3.6 | 28 |
| 32 | MoD Special Issue on developmental plasticity and adaptation in plants. Mechanisms of Development, 2013, 130, 1. | 1.7 | 0 |
| 33 | In silico identification and in vivo validation of a set of evolutionary conserved plant root-specific cis-regulatory elements. Mechanisms of Development, 2013, 130, 70-81. | 1.7 | 6 |
| 34 | An Auxin Transport Mechanism Restricts Positive Orthogravitropism in Lateral Roots. Current Biology, 2013, 23, 817-822. | 3.9 | 134 |
| 35 | Lateral root morphogenesis is dependent on the mechanical properties of the overlaying tissues. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5229-5234. | 7.1 | 233 |
| 36 | Cytoplasmic and nuclear quality control and turnover of single-stranded RNA modulate post-transcriptional gene silencing in plants. Nucleic Acids Research, 2013, 41, 4699-4708. | 14.5 | 99 |

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|---|---|---|---|
| 37 | Root branching: mechanisms, robustness, and plasticity. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 329-343. | 5.9 | 32 |
| 38 | Cytoplasmic Arabidopsis AGO7 accumulates in membrane-associated siRNA bodies and is required for ta-siRNA biogenesis. EMBO Journal, 2012, 31, 1704-1713. | 7.8 | 121 |
| 39 | Trans-acting Small Interfering RNAs: Biogenesis, Mode of Action, and Role in Plant Development. Signaling and Communication in Plants, 2012, , 83-108. | 0.7 | 1 |
| 40 | Highâ€resolution live imaging of plant growth in near physiological bright conditions using light sheet fluorescence microscopy. Plant Journal, 2011, 68, 377-385. | 5.7 | 169 |
| 41 | A Novel fry1 Allele Reveals the Existence of a Mutant Phenotype Unrelated to 5â€²->3â€² Exoribonuclease (XRN) Activities in Arabidopsis thaliana Roots. PLoS ONE, 2011, 6, e16724. | 2.5 | 64 |
| 42 | miR390,Arabidopsis TAS3tasiRNAs, and TheirAUXIN RESPONSE FACTORTargets Define an Autoregulatory Network Quantitatively Regulating Lateral Root Growth. Plant Cell, 2010, 22, 1104-1117. | 6.6 | 512 |
| 43 | Novel long non-protein coding RNAs involved in Arabidopsis differentiation and stress responses. Genome Research, 2009, 19, 57-69. | 5.5 | 390 |
| 44 | Endogenous TasiRNAs Mediate Non-Cell Autonomous Effects on Gene Regulation in Arabidopsis thaliana. PLoS ONE, 2009, 4, e5980. | 2.5 | 92 |
| 45 | Evolutionary divergence of LFY function in the mustards Arabidopsis thaliana and Leavenworthia crassa. Plant Molecular Biology, 2006, 62, 279-289. | 3.9 | 20 |
| 46 | Plant and animal homeodomains use convergent mechanisms for intercellular transfer. EMBO Reports, 2005, 6, 885-890. | 4.5 | 55 |
| 47 | The Floral Regulator LEAFY Evolves by Substitutions in the DNA Binding Domain. Science, 2005, 308, 260-263. | 12.6 | 195 |
| 48 | Temporally and spatially controlled induction of gene expression inArabidopsis thaliana. Plant Journal, 2004, 38, 164-171. | 5.7 | 71 |
| 49 | Engrailed homeoprotein secretion is a regulated process. Development (Cambridge), 2002, 129, 3545-3553. | 2.5 | 89 |
| 50 | Engrailed homeoprotein secretion is a regulated process. Development (Cambridge), 2002, 129, 3545-53. | 2.5 | 31 |
| 51 | Identification of a signal sequence necessary for the unconventional secretion of Engrailed homeoprotein. Current Biology, 1998, 8, 856-863. | 3.9 | 162 |