

Kim Boutilier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/531434/publications.pdf>

Version: 2024-02-01

33
papers

3,420
citations

257450

24
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

2956
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Auxin biosynthesis maintains embryo identity and growth during BABY BOOM-induced somatic embryogenesis. <i>Plant Physiology</i> , 2022, 188, 1095-1110. | 4.8 | 35 |
| 2 | <i>In vivo</i> maternal haploid induction in tomato. <i>Plant Biotechnology Journal</i> , 2022, 20, 250-252. | 8.3 | 44 |
| 3 | Establishment of a <i>dmp</i> based maternal haploid induction system for polyploid <i>Brassica napus</i> and <i>Nicotiana tabacum</i> . <i>Journal of Integrative Plant Biology</i> , 2022, 64, 1281-1294. | 8.5 | 28 |
| 4 | BABY BOOM regulates early embryo and endosperm development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1 | 23 |
| 5 | An Arabidopsis AT-hook motif nuclear protein mediates somatic embryogenesis and coinciding genome duplication. <i>Nature Communications</i> , 2021, 12, 2508. | 12.8 | 31 |
| 6 | ABA signalling promotes cell totipotency in the shoot apex of germinating embryos. <i>Journal of Experimental Botany</i> , 2021, 72, 6418-6436. | 4.8 | 18 |
| 7 | Cell Wall Composition and Structure Define the Developmental Fate of Embryogenic Microspores in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 737139. | 3.6 | 6 |
| 8 | A DMP-triggered <i>in vivo</i> maternal haploid induction system in the dicotyledonous Arabidopsis. <i>Nature Plants</i> , 2020, 6, 466-472. | 9.3 | 78 |
| 9 | Live Imaging of embryogenic structures in <i>Brassica napus</i> microspore embryo cultures highlights the developmental plasticity of induced totipotent cells. <i>Plant Reproduction</i> , 2020, 33, 143-158. | 2.2 | 11 |
| 10 | Symplasmic isolation marks cell fate changes during somatic embryogenesis. <i>Journal of Experimental Botany</i> , 2020, 71, 2612-2628. | 4.8 | 37 |
| 11 | Seed maturation and post-harvest ripening negatively affect arabidopsis somatic embryogenesis. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 17-27. | 2.3 | 7 |
| 12 | A transcriptional view on somatic embryogenesis. <i>Regeneration (Oxford, England)</i> , 2017, 4, 201-216. | 6.3 | 170 |
| 13 | The BABY BOOM Transcription Factor Activates the LEC1-ABI3-FUS3-LEC2 Network to Induce Somatic Embryogenesis. <i>Plant Physiology</i> , 2017, 175, 848-857. | 4.8 | 236 |
| 14 | Cross-Talk Between Sporophyte and Gametophyte Generations Is Promoted by CHD3 Chromatin Remodelers in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2016, 203, 817-829. | 2.9 | 16 |
| 15 | ALL and HDG proteins act antagonistically to control cell proliferation. <i>Development (Cambridge)</i> , 2015, 142, 454-64. | 2.5 | 43 |
| 16 | Plant embryogenesis requires AUX/LAX-mediated auxin influx. <i>Development (Cambridge)</i> , 2015, 142, 702-11. | 2.5 | 92 |
| 17 | Pepper, Sweet (<i>Capsicum annuum</i>). <i>Methods in Molecular Biology</i> , 2015, 1223, 321-334. | 0.9 | 7 |
| 18 | A Cautionary Note on the Use of Split-YFP/BiFC in Plant Protein-Protein Interaction Studies. <i>International Journal of Molecular Sciences</i> , 2014, 15, 9628-9643. | 4.1 | 70 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The Histone Deacetylase Inhibitor Trichostatin A Promotes Totipotency in the Male Gametophyte. <i>Plant Cell</i> , 2014, 26, 195-209. | 6.6 | 125 |
| 20 | Plasticity in Cell Division Patterns and Auxin Transport Dependency during in Vitro Embryogenesis in <i>Brassica napus</i> . <i>Plant Cell</i> , 2014, 26, 2568-2581. | 6.6 | 35 |
| 21 | AINTEGUMENTA-LIKE proteins: hubs in a plethora of networks. <i>Trends in Plant Science</i> , 2014, 19, 146-157. | 8.8 | 157 |
| 22 | Microspore embryogenesis: establishment of embryo identity and pattern in culture. <i>Plant Reproduction</i> , 2013, 26, 181-196. | 2.2 | 104 |
| 23 | Microarray-Based Identification of Transcription Factor Target Genes. <i>Methods in Molecular Biology</i> , 2011, 754, 119-141. | 0.9 | 4 |
| 24 | Efficient sweet pepper transformation mediated by the BABY BOOM transcription factor. <i>Plant Cell Reports</i> , 2011, 30, 1107-1115. | 5.6 | 119 |
| 25 | Project Transcontainer. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2009, 3, 39-39. | 1.4 | 0 |
| 26 | BABY BOOM target genes provide diverse entry points into cell proliferation and cell growth pathways. <i>Plant Molecular Biology</i> , 2008, 68, 225-237. | 3.9 | 106 |
| 27 | Buthionine sulfoximine (BSO)-mediated improvement in cultured embryo quality in vitro entails changes in ascorbate metabolism, meristem development and embryo maturation. <i>Planta</i> , 2008, 228, 255-272. | 3.2 | 40 |
| 28 | Regeneration of zygotic-like microspore-derived embryos suggests an important role for the suspensor in early embryo patterning. <i>Journal of Experimental Botany</i> , 2008, 59, 803-814. | 4.8 | 60 |
| 29 | Combined Transcriptome and Proteome Analysis Identifies Pathways and Markers Associated with the Establishment of Rapeseed Microspore-Derived Embryo Development. <i>Plant Physiology</i> , 2007, 144, 155-172. | 4.8 | 98 |
| 30 | Heterologous expression of the BABY BOOM AP2/ERF transcription factor enhances the regeneration capacity of tobacco (<i>Nicotiana tabacum</i> L.). <i>Planta</i> , 2006, 225, 341-351. | 3.2 | 125 |
| 31 | Ectopic Expression of BABY BOOM Triggers a Conversion from Vegetative to Embryonic Growth. <i>Plant Cell</i> , 2002, 14, 1737-1749. | 6.6 | 827 |
| 32 | The Arabidopsis Somatic Embryogenesis Receptor Kinase 1 Gene Is Expressed in Developing Ovules and Embryos and Enhances Embryogenic Competence in Culture. <i>Plant Physiology</i> , 2001, 127, 803-816. | 4.8 | 604 |
| 33 | The Arabidopsis Somatic Embryogenesis Receptor Kinase 1 Gene Is Expressed in Developing Ovules and Embryos and Enhances Embryogenic Competence in Culture. <i>Plant Physiology</i> , 2001, 127, 803-816. | 4.8 | 54 |