

Armin Scheben

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,747
citations

394286

19
h-index

302012

39
g-index

46
all docs

46
docs citations

46
times ranked

2510
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | <i>Amborella</i> gene presence/absence variation is associated with abiotic stress responses that may contribute to environmental adaptation. <i>New Phytologist</i> , 2022, 233, 1548-1555. | 3.5 | 16 |
| 2 | A multiple alignment workflow shows the effect of repeat masking and parameter tuning on alignment in plants. <i>Plant Genome</i> , 2022, 15, e20204. | 1.6 | 5 |
| 3 | Genotype-Environment mismatch of kelp forests under climate change. <i>Molecular Ecology</i> , 2021, 30, 3730-3746. | 2.0 | 39 |
| 4 | De Novo SNP Discovery and Genotyping of Iranian <i>Pimpinella</i> Species Using ddRAD Sequencing. <i>Agronomy</i> , 2021, 11, 1342. | 1.3 | 6 |
| 5 | The Chicken Pan-Genome Reveals Gene Content Variation and a Promoter Region Deletion in <i>IGF2BP1</i> Affecting Body Size. <i>Molecular Biology and Evolution</i> , 2021, 38, 5066-5081. | 3.5 | 70 |
| 6 | Different DNA repair pathways are involved in single-strand break-induced genomic changes in plants. <i>Plant Cell</i> , 2021, 33, 3454-3469. | 3.1 | 7 |
| 7 | Modelling of gene loss propensity in the pangenomes of three <i>Brassica</i> species suggests different mechanisms between polyploids and diploids. <i>Plant Biotechnology Journal</i> , 2021, 19, 2488-2500. | 4.1 | 44 |
| 8 | Toward haplotype studies in polyploid plants to assist breeding. <i>Molecular Plant</i> , 2021, 14, 1969-1972. | 3.9 | 6 |
| 9 | Genetic and signalling pathways of dry fruit size: targets for genome editing-based crop improvement. <i>Plant Biotechnology Journal</i> , 2020, 18, 1124-1140. | 4.1 | 40 |
| 10 | Plant pan-genomes are the new reference. <i>Nature Plants</i> , 2020, 6, 914-920. | 4.7 | 302 |
| 11 | Can We Use Gene-Editing to Induce Apomixis in Sexual Plants?. <i>Genes</i> , 2020, 11, 781. | 1.0 | 15 |
| 12 | An ancient tropical origin, dispersals via land bridges and Miocene diversification explain the subcosmopolitan disjunctions of the liverwort genus <i>Lejeunea</i> . <i>Scientific Reports</i> , 2020, 10, 14123. | 1.6 | 12 |
| 13 | Linkage mapping and QTL analysis of flowering time using ddRAD sequencing with genotype error correction in <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2020, 20, 546. | 1.6 | 10 |
| 14 | Legume Pangenome Construction Using an Iterative Mapping and Assembly Approach. <i>Methods in Molecular Biology</i> , 2020, 2107, 35-47. | 0.4 | 7 |
| 15 | Genotyping for Species Identification and Diversity Assessment Using Double-Digest Restriction Site-Associated DNA Sequencing (ddRAD-Seq). <i>Methods in Molecular Biology</i> , 2020, 2107, 159-187. | 0.4 | 8 |
| 16 | Using Genomics to Adapt Crops to Climate Change. , 2019, , 91-109. | | 4 |
| 17 | CropSNPdb: a database of SNP array data for Brassica crops and hexaploid bread wheat. <i>Plant Journal</i> , 2019, 98, 142-152. | 2.8 | 21 |
| 18 | Progress in single-access information systems for wheat and rice crop improvement. <i>Briefings in Bioinformatics</i> , 2019, 20, 565-571. | 3.2 | 4 |

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|----|--|-----|-----------|
| 19 | Revolution in Genotyping Platforms for Crop Improvement. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 164, 37-52. | 0.6 | 14 |
| 20 | Bottlenecks for genome-edited crops on the road from lab to farm. <i>Genome Biology</i> , 2018, 19, 178. | 3.8 | 45 |
| 21 | Advances in Integrating Genomics and Bioinformatics in the Plant Breeding Pipeline. <i>Agriculture (Switzerland)</i> , 2018, 8, 75. | 1.4 | 55 |
| 22 | Single-Cell Genomic Analysis in Plants. <i>Genes</i> , 2018, 9, 50. | 1.0 | 25 |
| 23 | Towards a more predictable plant breeding pipeline with CRISPR/Cas-induced allelic series to optimize quantitative and qualitative traits. <i>Current Opinion in Plant Biology</i> , 2018, 45, 218-225. | 3.5 | 46 |
| 24 | Genome editors take on crops. <i>Science</i> , 2017, 355, 1122-1123. | 6.0 | 59 |
| 25 | Databases for Wheat Genomics and Crop Improvement. <i>Methods in Molecular Biology</i> , 2017, 1679, 277-291. | 0.4 | 8 |
| 26 | Towards <sc>CRISPR</sc>/Cas crops – bringing together genomics and genome editing. <i>New Phytologist</i> , 2017, 216, 682-698. | 3.5 | 235 |
| 27 | BioNanoAnalyst: a visualisation tool to assess genome assembly quality using BioNano data. <i>BMC Bioinformatics</i> , 2017, 18, 323. | 1.2 | 9 |
| 28 | Genotyping-by-sequencing approaches to characterize crop genomes: choosing the right tool for the right application. <i>Plant Biotechnology Journal</i> , 2017, 15, 149-161. | 4.1 | 240 |
| 29 | Assessing and Exploiting Functional Diversity in Germplasm Pools to Enhance Abiotic Stress Adaptation and Yield in Cereals and Food Legumes. <i>Frontiers in Plant Science</i> , 2017, 8, 1461. | 1.7 | 60 |
| 30 | Multiple transoceanic dispersals and geographical structure in the pantropical leafy liverwort <i>Ceratolejeunea</i> (Lejeuneaceae, Porellales). <i>Journal of Biogeography</i> , 2016, 43, 1739-1749. | 1.4 | 30 |
| 31 | Advances in genomics for adapting crops to climate change. <i>Current Plant Biology</i> , 2016, 6, 2-10. | 2.3 | 82 |
| 32 | Crown Group Lejeuneaceae and Pleurocarpous Mosses in Early Eocene (Ypresian) Indian Amber. <i>PLoS ONE</i> , 2016, 11, e0156301. | 1.1 | 20 |
| 33 | Integrative taxonomy of <i>Lepidolejeunea</i> (Jungermanniopsida: Porellales): Ocelli allow the recognition of two neglected species. <i>Taxon</i> , 2015, 64, 216-228. | 0.4 | 40 |
| 34 | Lejeuneaceae (Marchantiophyta) from a species-rich taphocoenosis in Miocene Mexican amber, with a review of liverworts fossilised in amber. <i>Review of Palaeobotany and Palynology</i> , 2015, 221, 59-70. | 0.8 | 36 |
| 35 | Molecular and Morphological Evidence Challenges the Records of the Extant Liverwort <i>Ptilidium pulcherrimum</i> in Eocene Baltic Amber. <i>PLoS ONE</i> , 2015, 10, e0140977. | 1.1 | 17 |
| 36 | ITS Polymorphisms Shed Light on Hybrid Evolution in Apomictic Plants: A Case Study on the <i>Ranunculus auricomus</i> Complex. <i>PLoS ONE</i> , 2014, 9, e103003. | 1.1 | 38 |

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|----|--|-----|-----------|
| 37 | The Bromeliaceae tank dweller <i>Bromeliophila</i> (Lejeuneaceae, Porellales) is a member of the <i>Cyclolejeunea-Prionolejeunea</i> clade. <i>Plant Systematics and Evolution</i> , 2014, 300, 63-73. | 0.3 | 14 |
| 38 | Towards a monophyletic classification of Lejeuneaceae I: subtribe <i>Leptolejeuneinae</i> subtr. nov.. <i>Phytotaxa</i> , 2014, 156, 165. | 0.1 | 19 |
| 39 | Transfer of <i>Lejeunea huctumalcensis</i> to <i>Physantholejeunea</i> (Lejeuneaceae, Porellales). <i>Australian Systematic Botany</i> , 2013, 26, 386. | 0.3 | 15 |
| 40 | The first ptychanthoid Lejeuneaceae in Miocene Mexican amber. <i>Telopea</i> , 0, 17, 355-361. | 0.4 | 5 |