

Stefan Heckmann

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

947
citations

567281

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713466

21
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26
times ranked

1172
citing authors

#	ARTICLE	IF	CITATIONS
1	Recombination Landscape Divergence Between Populations is Marked by Larger Low-Recombining Regions in Domesticated Rye. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	5
2	Meiotic chromosome axis remodelling is critical for meiotic recombination in <i>Brassica rapa</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 3012-3027.	4.8	22
3	High-throughput measuring of meiotic recombination rates in barley pollen nuclei using Crystal Digital PCR™. <i>Plant Journal</i> , 2021, 107, 649-661.	5.7	2
4	The H3 histone chaperone NASP ^{SIM3} escorts CenH3 in Arabidopsis. <i>Plant Journal</i> , 2020, 101, 71-86.	5.7	37
5	Changing local recombination patterns in Arabidopsis by CRISPR/Cas mediated chromosome engineering. <i>Nature Communications</i> , 2020, 11, 4418.	12.8	82
6	Super-Resolution Microscopy Reveals Diversity of Plant Centromere Architecture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3488.	4.1	42
7	<i>MutS</i> homologue 4 and <i>MutS</i> homologue 5 Maintain the Obligate Crossover in Wheat Despite Stepwise Gene Loss following Polyploidization. <i>Plant Physiology</i> , 2020, 183, 1545-1558.	4.8	24
8	In Planta Delivery of Chemical Compounds into Barley Meiocytes: EdU as Compound Example. <i>Methods in Molecular Biology</i> , 2020, 2061, 381-402.	0.9	4
9	Imaging plant germline differentiation within Arabidopsis flowers by light sheet microscopy. <i>ELife</i> , 2020, 9, .	6.0	48
10	Deregulated Phosphorylation of CENH3 at Ser65 Affects the Development of Floral Meristems in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2019, 10, 928.	3.6	8
11	Variation in Recombination Rate Is Shaped by Domestication and Environmental Conditions in Barley. <i>Molecular Biology and Evolution</i> , 2019, 36, 2029-2039.	8.9	39
12	Affinity proteomics reveals extensive phosphorylation of the Brassica chromosome axis protein <i>ASY1</i> and a network of associated proteins at prophase I of meiosis. <i>Plant Journal</i> , 2018, 93, 17-33.	5.7	51
13	Tackling Plant Meiosis: From Model Research to Crop Improvement. <i>Frontiers in Plant Science</i> , 2018, 9, 829.	3.6	39
14	Identification of ASYNAPTIC4, a Component of the Meiotic Chromosome Axis. <i>Plant Physiology</i> , 2018, 178, 233-246.	4.8	57
15	Atypical centromeres in plants – what they can tell us. <i>Frontiers in Plant Science</i> , 2015, 6, 913.	3.6	45
16	Point mutation impairs centromeric CENH3 loading and induces haploid plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11211-11216.	7.1	126
17	Holocentric plant meiosis: first sisters, then homologues. <i>Cell Cycle</i> , 2014, 13, 3623-3624.	2.6	13
18	Alternative meiotic chromatid segregation in the holocentric plant <i>Luzula elegans</i> . <i>Nature Communications</i> , 2014, 5, 4979.	12.8	77

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19	The holocentric species <i>C. elegans</i> shows interplay between centromere and large-scale genome organization. <i>Plant Journal</i> , 2013, 73, 555-565.	5.7	86
20	<i>Arabidopsis</i> KINETOCHORE NULL2 Is an Upstream Component for Centromeric Histone H3 Variant cenH3 Deposition at Centromeres. <i>Plant Cell</i> , 2013, 25, 3389-3404.	6.6	80
21	The E2F transcription factor family regulates <i>CENH3</i> expression in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2011, 68, 646-656.	5.7	40
22	The meiotic topoisomerase VI B subunit (MTOPIVIB) is essential for meiotic DNA double-strand break formation in barley (<i>Hordeum vulgare</i> L.). <i>Plant Reproduction</i> , 0, , .	2.2	7