

Rachel Wells

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

878
citations

840776

11
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1105
citing authors

#	ARTICLE	IF	CITATIONS
1	Associative transcriptomics of traits in the polyploid crop species <i>Brassica napus</i> . <i>Nature Biotechnology</i> , 2012, 30, 798-802.	17.5	347
2	Dissecting the genome of the polyploid crop oilseed rape by transcriptome sequencing. <i>Nature Biotechnology</i> , 2011, 29, 762-766.	17.5	187
3	SeedGerm: a cost-effective phenotyping platform for automated seed imaging and machine-learning based phenotypic analysis of crop seed germination. <i>New Phytologist</i> , 2020, 228, 778-793.	7.3	62
4	Vernalization and Floral Transition in Autumn Drive Winter Annual Life History in Oilseed Rape. <i>Current Biology</i> , 2019, 29, 4300-4306.e2.	3.9	51
5	Variation in Expression of the HECT E3 Ligase <i>UPL3</i> Modulates LEC2 Levels, Seed Size, and Crop Yields in <i>Brassica napus</i> . <i>Plant Cell</i> , 2019, 31, 2370-2385.	6.6	38
6	QTL-seq identifies <i>BnaFT.A02</i> and <i>BnaFLC.A02</i> as candidates for variation in vernalization requirement and response in winter oilseed rape (<i>Brassica napus</i>). <i>Plant Biotechnology Journal</i> , 2020, 18, 2466-2481.	8.3	35
7	Pangenomics in crop improvement—from coding structural variations to finding regulatory variants with pangenome graphs. <i>Plant Genome</i> , 2022, 15, e20177.	2.8	33
8	Total <i>FLC</i> transcript dynamics from divergent paralogue expression explains flowering diversity in <i>Brassica napus</i> . <i>New Phytologist</i> , 2021, 229, 3534-3548.	7.3	32
9	Integrative RNA- and miRNA-Profile Analysis Reveals a Likely Role of BR and Auxin Signaling in Branch Angle Regulation of <i>B. napus</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 887.	4.1	23
10	Spatio-temporal expression dynamics differ between homologues of flowering time genes in the allopolyploid <i>Brassica napus</i> . <i>Plant Journal</i> , 2018, 96, 103-118.	5.7	19
11	The power of model-to-crop translation illustrated by reducing seed loss from pod shatter in oilseed rape. <i>Plant Reproduction</i> , 2019, 32, 331-340.	2.2	16
12	Identification of <i>Bna.IAA7.C05</i> as allelic gene for dwarf mutant generated from tissue culture in oilseed rape. <i>BMC Plant Biology</i> , 2019, 19, 500.	3.6	11
13	The potential of the solitary parasitoid <i>Microctonus brassicae</i> for the biological control of the adult cabbage stem flea beetle, <i>Psylliodes chrysocephala</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2020, 168, 360-370.	1.4	9
14	Validation of a novel associative transcriptomics pipeline in <i>Brassica oleracea</i> : identifying candidates for vernalisation response. <i>BMC Genomics</i> , 2021, 22, 539.	2.8	6
15	The oilseed rape developmental expression resource: a resource for the investigation of gene expression dynamics during the floral transition in oilseed rape. <i>BMC Plant Biology</i> , 2020, 20, 344.	3.6	5
16	Comparative transcriptomics reveals desynchronisation of gene expression during the floral transition between <i>Arabidopsis</i> and <i>Brassica rapa</i> cultivars. <i>Quantitative Plant Biology</i> , 2021, 2, .	2.0	4