

Manuela Nagel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

692
citations

15
h-index

25
g-index

48
ext. papers

961
ext. citations

3.6
avg, IF

4.24
L-index

#	Paper	IF	Citations
37	Impact of drying and cooling rate on the survival of the desiccation-sensitive wheat pollen.. <i>Plant Cell Reports</i> , 2022 , 41, 447	5.1	1
36	Cryopreservation of Plant Shoot Tips of Potato, Mint, Garlic, and Shallot Using Plant Vitrification Solution 3. <i>Methods in Molecular Biology</i> , 2021 , 2180, 647-661	1.4	3
35	Inheritance of seed quality and seed germination in two doubled haploid populations of oilseed rape segregating for acid detergent lignin (ADL) content. <i>Euphytica</i> , 2021 , 217, 1	2.1	1
34	Deciphering the Epigenetic Alphabet Involved in Transgenerational Stress Memory in Crops. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	12
33	Comparative Proteomics at the Critical Node of Vigor Loss in Wheat Seeds Differing in Storability. <i>Frontiers in Plant Science</i> , 2021 , 12, 707184	6.2	1
32	Microbial occurrence in liquid nitrogen storage tanks: a challenge for cryobanking?. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 7635-7650	5.7	2
31	DEFECTIVE ENDOSPERM-D1 (Dee-D1) is crucial for endosperm development in hexaploid wheat. <i>Communications Biology</i> , 2020 , 3, 791	6.7	2
30	Age-dependent loss of seed viability is associated with increased lipid oxidation and hydrolysis. <i>Plant, Cell and Environment</i> , 2020 , 43, 303-314	8.4	22
29	Factors determining microbial colonization of liquid nitrogen storage tanks used for archiving biological samples. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 131-144	5.7	7
28	Genome-wide association mapping reveals putative candidate genes for drought tolerance in barley. <i>Environmental and Experimental Botany</i> , 2020 , 180, 104237	5.9	3
27	Challenges and Prospects for the Conservation of Crop Genetic Resources in Field Genebanks, in In Vitro Collections and/or in Liquid Nitrogen. <i>Plants</i> , 2020 , 9,	4.5	26
26	The transcription factor WRKY22 is required during cryo-stress acclimation in Arabidopsis shoot tips. <i>Journal of Experimental Botany</i> , 2020 , 71, 4993-5009	7	2
25	The search for candidate genes associated with natural variation of grain Zn accumulation in barley. <i>Biochemical Journal</i> , 2019 , 476, 1889-1909	3.8	6
24	Wheat seed ageing viewed through the cellular redox environment and changes in pH. <i>Free Radical Research</i> , 2019 , 53, 641-654	4	12
23	Arabidopsis $\bar{\Delta}$ model to elucidate complex stress response mechanism during cryopreservation. <i>Acta Horticulturae</i> , 2019 , 85-96	0.3	2
22	Genetic analysis of drought response of wheat following either chemical desiccation or the use of a rain-out shelter. <i>Journal of Applied Genetics</i> , 2019 , 60, 137-146	2.5	8
21	Assessment of Pollen Viability for Wheat. <i>Frontiers in Plant Science</i> , 2019 , 10, 1588	6.2	24

20	Novel loci and a role for nitric oxide for seed dormancy and preharvest sprouting in barley. <i>Plant, Cell and Environment</i> , 2019 , 42, 1318-1327	8.4	19
19	Comparative physiology and proteomics of two wheat genotypes differing in seed storage tolerance. <i>Plant Physiology and Biochemistry</i> , 2018 , 130, 455-463	5.4	14
18	Machine learning links seed composition, glucosinolates and viability of oilseed rape after 31 years of long-term storage. <i>Seed Science Research</i> , 2018 , 28, 340-348	1.3	5
17	QTL analysis of falling number and seed longevity in wheat (<i>Triticum aestivum</i> L.). <i>Journal of Applied Genetics</i> , 2018 , 59, 35-42	2.5	17
16	Changes of soluble sugars and ATP content during DMSO droplet freezing and PVS3 droplet vitrification of potato shoot tips. <i>Cryobiology</i> , 2018 , 85, 79-86	2.7	12
15	Changes in tocochromanols and glutathione reveal differences in the mechanisms of seed ageing under seedbank conditions and controlled deterioration in barley. <i>Environmental and Experimental Botany</i> , 2018 , 156, 8-15	5.9	22
14	Genetic architecture of seed longevity in bread wheat (<i>Triticum aestivum</i> L.). <i>Journal of Biosciences</i> , 2017 , 42, 81-89	2.3	18
13	Genome-Wide Association Mapping of Anther Extrusion in Hexaploid Spring Wheat. <i>PLoS ONE</i> , 2016 , 11, e0155494	3.7	15
12	Barley Seed Aging: Genetics behind the Dry Elevated Pressure of Oxygen Aging and Moist Controlled Deterioration. <i>Frontiers in Plant Science</i> , 2016 , 7, 388	6.2	24
11	Genome-wide association mapping and biochemical markers reveal that seed ageing and longevity are intricately affected by genetic background and developmental and environmental conditions in barley. <i>Plant, Cell and Environment</i> , 2015 , 38, 1011-22	8.4	68
10	Mapping quantitative trait loci determining seed longevity in tobacco (<i>Nicotiana tabacum</i> L.). <i>Euphytica</i> , 2015 , 202, 479-486	2.1	14
9	The genetic basis of durum wheat germination and seedling growth under osmotic stress. <i>Biologia Plantarum</i> , 2014 , 58, 681-688	2.1	13
8	Genetic variation for secondary seed dormancy and seed longevity in a set of black-seeded European winter oilseed rape cultivars. <i>Plant Breeding</i> , 2013 , 132, 174-179	2.4	20
7	Effects of Rht dwarfing alleles on wheat seed vigour after controlled deterioration. <i>Crop and Pasture Science</i> , 2013 , 64, 857	2.2	7
6	Molecular markers in management of ex situ PGR-a case study. <i>Journal of Biosciences</i> , 2012 , 37, 871-7	2.3	14
5	An association mapping analysis of dormancy and pre-harvest sprouting in wheat. <i>Euphytica</i> , 2012 , 188, 409-417	2.1	31
4	Genetic studies of seed longevity in hexaploid wheat using segregation and association mapping approaches. <i>Euphytica</i> , 2012 , 186, 1-13	2.1	45
3	Seed longevity in oilseed rape (<i>Brassica napus</i> L.) [Genetic variation and QTL mapping. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011 , 9, 260-263	1	37

- 2 The longevity of crop seeds stored under ambient conditions. *Seed Science Research*, **2010**, 20, 1-12 1.3 96
- 1 Seed conservation in ex situ genebanks—genetic studies on longevity in barley. *Euphytica*, **2009**, 170, 5-14 2.1 64