

Wolfgang Friedt

List of Publications by Year in descending order

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120
papers

4,788
citations

94269

37
h-index

118652

62
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127
all docs

127
docs citations

127
times ranked

4957
citing authors

#	ARTICLE	IF	CITATIONS
1	Breeding progress for pathogen resistance is a second major driver for yield increase in German winter wheat at contrasting N levels. <i>Scientific Reports</i> , 2020, 10, 20374.	1.6	21
2	High-resolution mapping of rachis nodes per rachis, a critical determinant of grain yield components in wheat. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2707-2719.	1.8	40
3	Sorghum as a Novel Crop for Central Europe: Using a Broad Diversity Set to Dissect Temperate-Adaptation. <i>Agronomy</i> , 2019, 9, 535.	1.3	14
4	Genetic dissection of root architectural traits by QTL and genome-wide association mapping in rapeseed (<i>Brassica napus</i>). <i>Plant Breeding</i> , 2019, 138, 184-192.	1.0	13
5	Undesired fertility restoration in <i>msm1</i> barley associates with two mTERF genes. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1335-1350.	1.8	16
6	Breeding improves wheat productivity under contrasting agrochemical input levels. <i>Nature Plants</i> , 2019, 5, 706-714.	4.7	194
7	Reduced response diversity does not negatively impact wheat climate resilience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10623-10624.	3.3	11
8	Progress in rapeseed research. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2019, 26, 49.	0.6	0
9	Quantitative trait locus analysis of seed germination, seedling vigour and seedling-regulated hormones in <i>Brassica napus</i> . <i>Plant Breeding</i> , 2018, 137, 388-401.	1.0	11
10	Generating genetic variation in narrow-leaved lupin (<i>Lupinus angustifolius</i> L.) for plant architecture by ethyl methanesulfonate mutagenesis. <i>Plant Breeding</i> , 2018, 137, 73-80.	1.0	0
11	Wheat Resistances to Fusarium Root Rot and Head Blight Are Both Associated with Deoxynivalenol- and Jasmonate-Related Gene Expression. <i>Phytopathology</i> , 2018, 108, 602-616.	1.1	26
12	VERNALIZATION1 Modulates Root System Architecture in Wheat and Barley. <i>Molecular Plant</i> , 2018, 11, 226-229.	3.9	118
13	Genome-Wide Association Studies Reveal Genomic Regions Associated With the Response of Wheat (<i>Triticum aestivum</i> L.) to Mycorrhizae Under Drought Stress Conditions. <i>Frontiers in Plant Science</i> , 2018, 9, 1728.	1.7	48
14	Histology-guided high-resolution AP-SMALDI mass spectrometry imaging of wheat-Fusarium graminearum interaction at the root-shoot junction. <i>Plant Methods</i> , 2018, 14, 103.	1.9	14
15	Academic and Economic Importance of <i>Brassica napus</i> Rapeseed. <i>Compendium of Plant Genomes</i> , 2018, , 1-20.	0.3	39
16	Genetic insights into underground responses to <i>Fusarium graminearum</i> infection in wheat. <i>Scientific Reports</i> , 2018, 8, 13153.	1.6	18
17	Towards Enhancement of Early-Stage Chilling Tolerance and Root Development in Sorghum F1 Hybrids. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 146-160.	1.7	9
18	Genetic structure and differentiation among oregano [<i>Origanum vulgare</i> subsp. <i>glandulosum</i> (Desf.) letswaart] provenances from North Africa: bioinformatic approaches cause systematic bias. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 717-732.	0.8	2

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19	Genetics of mycorrhizal symbiosis in winter wheat (<i>Triticum aestivum</i>). <i>New Phytologist</i> , 2017, 215, 779-791.	3.5	76
20	New insights into genotypic thermodependency of cytoplasmic male sterility for hybrid barley breeding. <i>Plant Breeding</i> , 2017, 136, 8-17.	1.0	9
21	Heterosis for Biomass and Grain Yield Facilitates Breeding of Productive Dual-Purpose Winter Barley Hybrids. <i>Crop Science</i> , 2017, 57, 2405-2418.	0.8	9
22	Disruption of Germination and Seedling Development in <i>Brassica napus</i> by Mutations Causing Severe Seed Hormonal Imbalance. <i>Frontiers in Plant Science</i> , 2016, 7, 322.	1.7	27
23	Development of Near-Infrared Reflection Spectroscopy Calibrations for Crude Protein and Dry Matter Content in Fresh and Dried Potato Tuber Samples. <i>Potato Research</i> , 2016, 59, 149-165.	1.2	13
24	A saturated SNP linkage map for the orange wheat blossom midge resistance gene Sm1. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1507-1517.	1.8	15
25	Complementary diversity for nitrogen uptake and utilisation efficiency reveals broad potential for increased sustainability of oilseed rape production. <i>Plant and Soil</i> , 2016, 400, 245-262.	1.8	39
26	Verification of marker-trait associations in biparental winter barley (<i>Hordeum vulgare</i> L.) DH populations. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	6
27	Applying Mendelian rules in rapeseed (<i>Brassica napus</i>) breeding. <i>Genetika</i> , 2016, 48, 1077-1086.	0.1	4
28	Comparative quantitative trait loci for silique length and seed weight in <i>Brassica napus</i> . <i>Scientific Reports</i> , 2015, 5, 14407.	1.6	65
29	Insights Into <i>Triticum aestivum</i> Seedling Root Rot Caused by <i>Fusarium graminearum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1288-1303.	1.4	41
30	Subgenomic Diversity Patterns Caused by Directional Selection in Bread Wheat Gene Pools. <i>Plant Genome</i> , 2015, 8, eplantgenome2015.03.0013.	1.6	105
31	Transfer of sclerotinia resistance from wild relative of <i>Brassica oleracea</i> into <i>Brassica napus</i> using a hexaploidy step. <i>Theoretical and Applied Genetics</i> , 2015, 128, 639-644.	1.8	46
32	Applied oilseed rape marker technology and genomics. , 2015, , 253-295.		7
33	Designing adapted sorghum silage types with an enhanced energy density for biogas generation in temperate Europe. <i>Biomass and Bioenergy</i> , 2015, 81, 496-504.	2.9	28
34	High resolution mass spectrometry imaging of plant tissues: towards a plant metabolite atlas. <i>Analyst</i> , 2015, 140, 7696-7709.	1.7	91
35	Unravelling the genetic complexity of sorghum seedling development under low-temperature conditions. <i>Plant, Cell and Environment</i> , 2014, 37, 707-723.	2.8	56
36	High-resolution mapping of the barley Ryd3 locus controlling tolerance to BYDV. <i>Molecular Breeding</i> , 2014, 33, 477-488.	1.0	13

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37	Genome-wide association studies of agronomic and quality traits in a set of German winter barley (<i>Hordeum vulgare</i> L.) cultivars using Diversity Arrays Technology (DArT). <i>Journal of Applied Genetics</i> , 2014, 55, 295-305.	1.0	14
38	Association of allelic variation in two NPR1-like genes with Fusarium head blight resistance in wheat. <i>Molecular Breeding</i> , 2014, 34, 31-43.	1.0	19
39	High-throughput genomics in sorghum: from whole-genome resequencing to a SNP screening array. <i>Plant Biotechnology Journal</i> , 2013, 11, 1112-1125.	4.1	63
40	Genetic analysis of phenylpropanoid metabolites associated with resistance against <i>Verticillium longisporum</i> in <i>Brassica napus</i> . <i>Molecular Breeding</i> , 2013, 31, 347-361.	1.0	40
41	Dissection of a major QTL for seed colour and fibre content in <i>Brassica napus</i> reveals colocalization with candidate genes for phenylpropanoid biosynthesis and flavonoid deposition. <i>Plant Breeding</i> , 2013, 132, 382-389.	1.0	46
42	Genomics-based high-resolution mapping of the BaMMV/BaYMV resistance gene <i>rym11</i> in barley (<i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 2013, 126, 1201-1212.	1.8	28
43	Barley Production and Breeding in Europe: Modern Cultivars Combine Disease Resistance, Malting Quality and High Yield. , 2013, , 389-400.		2
44	A candidate gene-based association study of tocopherol content and composition in rapeseed (<i>Brassica napus</i>). <i>Frontiers in Plant Science</i> , 2012, 3, 129.	1.7	58
45	European biodiesel can be sustainable. <i>Nature</i> , 2012, 490, 37-37.	13.7	8
46	Identification of marker-trait associations in the German winter barley breeding gene pool (<i>Hordeum</i>) Tj ETQq0 0 0 190 / Overlock 10 Tf	1.0	43
47	Correlations between Genetic, Morphological, and Chemical Diversities in a Germplasm Collection of the Medicinal Plant <i>Origanum vulgare</i> L.. <i>Chemistry and Biodiversity</i> , 2012, 9, 2784-2801.	1.0	40
48	Seedling development in a <i>Brassica napus</i> diversity set and its relationship to agronomic performance. <i>Theoretical and Applied Genetics</i> , 2012, 125, 1275-1287.	1.8	30
49	Genetic dissection of the temperature dependent emergence processes in sorghum using a cumulative emergence model and stability parameters. <i>Theoretical and Applied Genetics</i> , 2012, 125, 1647-1661.	1.8	25
50	New NIRS Calibrations for Fiber Fractions Reveal Broad Genetic Variation in <i>Brassica napus</i> Seed Quality. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 2248-2256.	2.4	42
51	Jasmonate and ethylene dependent defence gene expression and suppression of fungal virulence factors: two essential mechanisms of Fusarium head blight resistance in wheat?. <i>BMC Genomics</i> , 2012, 13, 369.	1.2	113
52	A knockout mutation in the lignin biosynthesis gene <i>CCR1</i> explains a major QTL for acid detergent lignin content in <i>Brassica napus</i> seeds. <i>Theoretical and Applied Genetics</i> , 2012, 124, 1573-1586.	1.8	61
53	Quantitative genetic analysis of condensed tannins in oilseed rape meal. <i>Euphytica</i> , 2012, 184, 195-205.	0.6	21
54	Identification of QTLs for phenolic compounds in oilseed rape (<i>Brassica napus</i> L.) by association mapping using SSR markers. <i>Euphytica</i> , 2011, 177, 335-342.	0.6	43

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55	Diagnostic value of molecular markers linked to the eyespot resistance gene Pch1 in wheat. <i>Euphytica</i> , 2011, 177, 267-275.	0.6	8
56	Genetic mapping of the stem rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i> Eriks. & E. Henn) resistance gene Sr13 in wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2011, 122, 643-648.	1.8	10
57	QTL for fibre-related traits in grain—Sweet sorghum as a tool for the enhancement of sorghum as a biomass crop. <i>Theoretical and Applied Genetics</i> , 2011, 123, 999-1011.	1.8	66
58	Chemical and Genetic Diversity of <i>Zataria multiflora</i> Boiss. Accessions Growing Wild in Iran. <i>Chemistry and Biodiversity</i> , 2011, 8, 176-188.	1.0	37
59	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.	0.4	52
60	Genetic analyses of the host-pathogen system Turnip yellows virus (TuYV) rapeseed (<i>Brassica napus</i> L.) and development of molecular markers for TuYV-resistance. <i>Theoretical and Applied Genetics</i> , 2010, 120, 735-744.	1.8	17
61	Genetic mapping of QTLs for sugar-related traits in a RIL population of <i>Sorghum bicolor</i> L. Moench. <i>Theoretical and Applied Genetics</i> , 2010, 121, 323-336.	1.8	118
62	Organ-specific alternatively spliced transcript isoforms of the sunflower SF21C gene. <i>Plant Cell Reports</i> , 2010, 29, 673-683.	2.8	6
63	Genetic Characterization of <i>Puccinia graminis</i> f.sp. <i>tritici</i> Populations from Ethiopia by SSRs. <i>Journal of Phytopathology</i> , 2010, 158, 806-812.	0.5	8
64	Analysis of the Genetic Diversity and Affinities of Different Iranian <i>Satureja</i> Species Based on SAMPL Markers. <i>Planta Medica</i> , 2010, 76, 1927-1933.	0.7	10
65	Marker Development for Important Grapevine Traits by Genetic Diversity Studies and Investigation of Differential Gene Expression. , 2010, , 375-387.		1
66	Gene expression profiling via LongSAGE in a non-model plant species: a case study in seeds of <i>Brassica napus</i> . <i>BMC Genomics</i> , 2009, 10, 295.	1.2	19
67	Intraspecific diversity and relationship between subspecies of <i>Origanum vulgare</i> revealed by comparative AFLP and SAMPL marker analysis. <i>Plant Systematics and Evolution</i> , 2009, 281, 151-160.	0.3	49
68	Status and perspectives of breeding for enhanced yield and quality of oilseed crops for Europe. <i>Euphytica</i> , 2009, 170, 131.	0.6	180
69	Oilseed Rape. , 2009, , 91-126.		37
70	The complex quantitative barley– <i>Rhynchosporium secalis</i> interaction: newly identified QTL may represent already known resistance genes. <i>Theoretical and Applied Genetics</i> , 2008, 118, 113-122.	1.8	27
71	Genomic regions for yield and yield parameters in Chinese winter wheat (<i>Triticum aestivum</i> L.) genotypes tested under varying environments correspond to QTL in widely different wheat materials. <i>Plant Science</i> , 2008, 175, 226-232.	1.7	51
72	Plant Breeding: Assessment of Genetic Diversity in Crop Plants and its Exploitation in Breeding. <i>Progress in Botany Fortschritte Der Botanik</i> , 2007, , 151-178.	0.1	26

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73	New Oilseed Rape (<i>Brassica napus</i>) Hybrids with High Levels of Heterosis for Seed Yield under Nutrient-poor Conditions. <i>Breeding Science</i> , 2007, 57, 315-320.	0.9	37
74	Molecular Markers for Gene Pyramiding and Disease Resistance Breeding in Barley. , 2007, , 81-101.		24
75	Localisation and combination of resistance genes against soil-borne viruses of barley (BaMMV, BaYMV) using doubled haploids and molecular markers. <i>Euphytica</i> , 2007, 158, 323-329.	0.6	19
76	Quantitative structure analysis of genetic diversity among spring bread wheats (<i>Triticum aestivum</i> L.) from different geographical regions. <i>Genetica</i> , 2007, 130, 213-225.	0.5	28
77	Oilseed Rape. , 2007, , 55-114.		33
78	Colocalization of a partially dominant gene for yellow seed colour with a major QTL influencing acid detergent fibre (ADF) content in different crosses of oilseed rape (<i>Brassica napus</i>). <i>Genome</i> , 2006, 49, 1499-1509.	0.9	86
79	Expression analysis of the sunflower SF21 gene family reveals multiple alternative and organ-specific splicing of transcripts. <i>Gene</i> , 2006, 374, 77-86.	1.0	9
80	Increase of the tocochromanol content in transgenic <i>Brassica napus</i> seeds by overexpression of key enzymes involved in prenylquinone biosynthesis. <i>Molecular Breeding</i> , 2006, 18, 93-107.	1.0	57
81	Breeding high-stearic oilseed rape (<i>Brassica napus</i>) with high- and low-erucic background using optimised promoter-gene constructs. <i>Molecular Breeding</i> , 2006, 18, 241-251.	1.0	19
82	Genetic relatedness and population differentiation of Himalayan hulless barley (<i>Hordeum vulgare</i> L.) landraces inferred with SSRs. <i>Theoretical and Applied Genetics</i> , 2006, 113, 715-729.	1.8	38
83	Knockout of KASIII regulation changes fatty acid composition in canola (<i>Brassica napus</i>). <i>European Journal of Lipid Science and Technology</i> , 2006, 108, 277-286.	1.0	8
84	<i>Brassica</i> . Genetic Resources, Chromosome Engineering, and Crop Improvement Series, 2006, , 195-230.	0.3	2
85	Resistance to <i>Sclerotinia sclerotiorum</i> of 'high oleic' sunflower inbred lines. <i>Plant Breeding</i> , 2005, 124, 376-381.	1.0	14
86	Genetic modification of saturated fatty acids in oilseed rape (<i>Brassica napus</i>). <i>European Journal of Lipid Science and Technology</i> , 2005, 107, 244-248.	1.0	22
87	Fine-mapping of the BaMMV, BaYMV-1 and BaYMV-2 resistance of barley (<i>Hordeum vulgare</i>) accession PI1963. <i>Theoretical and Applied Genetics</i> , 2005, 110, 212-218.	1.8	23
88	High-resolution mapping of the Rym4/Rym5 locus conferring resistance to the barley yellow mosaic virus complex (BaMMV, BaYMV, BaYMV-2) in barley (<i>Hordeum vulgare</i> ssp. <i>vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 2005, 110, 283-293.	1.8	48
89	Molecular mapping of the fertility restoration locus Rf1 in sunflower and development of diagnostic markers for the restorer gene. <i>Euphytica</i> , 2005, 143, 35-42.	0.6	31
90	Molecular assessment of genetic diversity in winter barley and its use in breeding. <i>Euphytica</i> , 2005, 146, 21-28.	0.6	48

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91	Strategies for Pyramiding Resistance Genes Against the Barley Yellow Mosaic Virus Complex (BaMMV,) Tj ETQq1 1	0.784314	121
92	Genetic Variation in Sorghum Germplasm from Sudan, ICRISAT, and USA Assessed by Simple Sequence Repeats (SSRs). <i>Crop Science</i> , 2005, 45, 1636-1644.	0.8	36
93	Haploids in the Improvement of Crucifers. , 2005, , 191-213.		7
94	Characterisation of plant tocopherol cyclases and their overexpression in transgenic Brassica napus seeds. <i>FEBS Letters</i> , 2005, 579, 1357-1364.	1.3	75
95	Molecular analyses on the genetic diversity and inheritance of ($\hat{\alpha}$) $\hat{\pm}$ -bisabolol and chamazulene content in tetraploid chamomile (<i>Chamomilla recutita</i> (L.) Rausch.). <i>Plant Science</i> , 2005, 169, 917-927.	1.7	31
96	Construction and characterization of a BAC library for sunflower (<i>Helianthus annuus</i> L.). <i>Euphytica</i> , 2004, 138, 177-183.	0.6	16
97	Interspecific hybrids of sunflower as a source of Sclerotinia resistance. <i>Plant Breeding</i> , 2004, 123, 152-157.	1.0	45
98	Molecular markers in breeding for virus resistance in barley. <i>Journal of Applied Genetics</i> , 2004, 45, 145-59.	1.0	26
99	Strategies of Breeding for Durable Disease Resistance in Cereals. <i>Progress in Botany Fortschritte Der Botanik</i> , 2003, , 138-167.	0.1	6
100	NAPUS 2000. Rapeseed (<i>Brassica napus</i>) breeding for improved human nutrition. <i>Food Research International</i> , 2002, 35, 273-278.	2.9	36
101	Mapping of the restorer gene Rf1 in sunflower (<i>Helianthus annuus</i> L.). <i>Helia</i> , 2002, 25, 41-46.	0.0	8
102	Molecular diversity of CMS sources and fertility restoration in the genus: <i>Helianthus</i> . <i>Helia</i> , 2002, 25, 29-40.	0.0	9
103	Isolation of HMW DNA from sunflower (<i>Helianthus annuus</i> L.) for BAC cloning. <i>Plant Molecular Biology Reporter</i> , 2002, 20, 239-249.	1.0	6
104	NAPUS 2000 Rapeseed (<i>Brassica napus</i>) breeding for improved human nutrition. <i>Oleagineux Corps Gras Lipides</i> , 2001, 8, 49-52.	0.2	0
105	Modification of Oilseed Quality by Genetic Transformation. <i>Progress in Botany Fortschritte Der Botanik</i> , 2001, , 140-174.	0.1	7
106	New Syntheses with Oils and Fats as Renewable Raw Materials for the Chemical Industry. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2206-2224.	7.2	653
107	Title is missing!. <i>Euphytica</i> , 2000, 116, 271-280.	0.6	14
108	PCR-Based Markers Facilitating Marker Assisted Selection in Sunflower for Resistance to Downy Mildew. <i>Crop Science</i> , 2000, 40, 676-682.	0.8	45

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109	Recombination: From Genetic Towards Physical Distances: High Resolution Mapping of Plant Resistance Genes. Progress in Botany Fortschritte Der Botanik, 2000, , 37-53.	0.1	3
110	Recent developments and perspectives of industrial rapeseed breeding. Lipid - Fett, 1998, 100, 219-226.	0.6	54
111	Recombination: Molecular Markers for Resistance Genes in Major Grain Crops. Progress in Botany Fortschritte Der Botanik, 1998, , 49-79.	0.1	20
112	A transmitting tissue- and pollen-expressed protein from sunflower with sequence similarity to the human RTP protein. Plant Science, 1997, 129, 191-202.	1.7	29
113	Assessment of tolerance to salt stress in Kenyan tomato germplasm. Euphytica, 1997, 95, 57-66.	0.6	13
114	High regeneration rates in anther culture of interspecific sunflower hybrids. Plant Cell Reports, 1996, 16, 167-173.	2.8	23
115	Exotic barley germplasms in breeding for resistance to soil-borne viruses. Euphytica, 1996, 92, 275-280.	0.6	6
116	The CMS-associated 16 kDa protein encoded by orfH522 in the PET1 cytoplasm is also present in other male-sterile cytoplasm of sunflower. Plant Molecular Biology, 1996, 30, 523-538.	2.0	43
117	Agronomic traits of exotic barley germplasms resistant to soil-borne mosaic-inducing viruses. Genetic Resources and Crop Evolution, 1994, 41, 43-46.	0.8	9
118	Plant regeneration from isolated microspores of linseed (Linum usitatissimum L.). Plant Cell Reports, 1993, 12-12, 426-30.	2.8	27
119	Genotypic and exogenous factors affecting shoot regeneration from anther callus of linseed (Linum) Tj ETQq1 1 0.784314 rgBT / Overbo	0.6	53
120	Die Zukunft der transgenen Pflanzen f¼r europÄische Entwicklungen. , 0, , 11-20.		3