Heinrich Grausgruber

List of Publications by Year
in descending order

75	1,957	218381 26	276539 41
papers	citations	h-index	g-index

76	76	76	2239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phytochemical Profile of Main Antioxidants in Different Fractions of Purple and Blue Wheat, and Black Barley. Journal of Agricultural and Food Chemistry, 2007, 55, 8541-8547.	2.4	144
2	Genomic selection across multiple breeding cycles in applied bread wheat breeding. Theoretical and Applied Genetics, 2016, 129, 1179-1189.	1.8	102
3	Genetic diversity in camelina germplasm as revealed by seed quality characteristics and RAPD polymorphism. Plant Breeding, 2005, 124, 446-453.	1.0	88
4	Analysis of relationships betweenAegilops tauschiiand the D genome of wheat utilizing microsatellites. Genome, 2000, 43, 661-668.	0.9	87
5	Application of microsatellites in wheat (Triticum aestivum L.) for studying genetic differentiation caused by selection for adaptation and use. Theoretical and Applied Genetics, 2000, 100, 242-248.	1.8	86
6	Genomic assisted selection for enhancing line breeding: merging genomic and phenotypic selection in winter wheat breeding programs with preliminary yield trials. Theoretical and Applied Genetics, 2017, 130, 363-376.	1.8	75
7	Breeding for organic agriculture: the example of winter wheat in Austria. Euphytica, 2008, 163, 469.	0.6	73
8	Stability of quality traits in Austrian-grown winter wheats. Field Crops Research, 2000, 66, 257-267.	2.3	71
9	Agronomic performance and quality of oat (Avena sativa L.) genotypes of worldwide origin produced under Central European growing conditions. Field Crops Research, 2007, 101, 343-351.	2.3	71
10	Influence of 1BL.1RS wheat-rye chromosome translocation on genotype by environment interaction. Journal of Cereal Science, 2004, 39, 313-320.	1.8	60
11	Increased anthocyanin content in purple pericarpÂÃ—Âblue aleurone wheat crosses. Plant Breeding, 2013, 132, 546-552.	1.0	54
12	Wheat root diversity and root functional characterization. Plant and Soil, 2014, 380, 211-229.	1.8	53
13	The Effect of Inoculation Treatment and Long-term Application of Moisture on Fusarium Head Blight Symptoms and Deoxynivalenol Contamination in Wheat Grains. European Journal of Plant Pathology, 2004, 110, 299-308.	0.8	51
14	Naked barleyâ€"Optimized recipe for pure barley bread with sufficient beta-glucan according to the EFSA health claims. Journal of Cereal Science, 2011, 53, 225-230.	1.8	51
15	Analysis of relationships between Aegilops tauschii and the D genome of wheat utilizing microsatellites. Genome, 2000, 43, 661-668.	0.9	43
16	Wheat ATIs: Characteristics and Role in Human Disease. Frontiers in Nutrition, 2021, 8, 667370.	1.6	42
17	Is organically produced wheat a source of tocopherols and tocotrienols for health food?. Food Chemistry, 2012, 132, 1789-1795.	4.2	40
18	Co-occurrence of Mild Salinity and Drought Synergistically Enhances Biomass and Grain Retardation in Wheat. Frontiers in Plant Science, 2019, 10, 501.	1.7	35

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19	Effects of species and breeding on wheat protein composition. Journal of Cereal Science, 2020, 93, 102974.	1.8	35
20	ANALYSIS OF REPEATED STICKINESS MEASURES OF WHEAT DOUGH USING A TEXTURE ANALYZER. Journal of Texture Studies, 2003, 34, 69-82.	1.1	34
21	Breeding objectives and the relative importance of traits in plant and animal breeding: a comparative review. Euphytica, 2008, 161, 273-282.	0.6	33
22	Dissection of drought response of modern and underutilized wheat varieties according to Passioura's yield-water framework. Frontiers in Plant Science, 2015, 6, 570.	1.7	33
23	Genetic improvement of agronomic and qualitative traits of spring barley. Plant Breeding, 2002, 121, 411-416.	1.0	31
24	Head Blight (Fusarium spp.) on Wheat: Investigations on the Relationship Between Disease Symptoms and Mycotoxin Content. Cereal Research Communications, 1997, 25, 459-465.	0.8	31
25	Yield and agronomic traits of Khorasan wheat (Triticum turanicum Jakubz.). Field Crops Research, 2005, 91, 319-327.	2.3	30
26	Evaluation of various chemical and thermal feed processing methods for their potential to enhance resistant starch content in barley grain. Starch/Staerke, 2014, 66, 558-565.	1.1	28
27	Investigations on the validity of the micro-extensigraph method to measure rheological properties of wheat doughs. European Food Research and Technology, 2002, 214, 79-82.	1.6	27
28	Comparison of Different Types of NIR Instruments in Ability to Measure Î²â€Glucan Content in Naked Barley. Cereal Chemistry, 2009, 86, 398-404.	1.1	26
29	Differences in grain/straw ratio, protein content and yield in landraces and modern varieties of different wheat species under organic farming. Euphytica, 2014, 199, 31-40.	0.6	25
30	Spatial field variations in soybean (Glycine max [L.] Merr.) performance trials affect agronomic characters and seed composition. European Journal of Agronomy, 2000, 12, 13-22.	1.9	24
31	The bioprotective effect of AM root colonization against the soil-borne fungal pathogen Gaeumannomyces graminis var. tritici in barley depends on the barley variety. Soil Biology and Biochemistry, 2011, 43, 831-834.	4.2	23
32	Do modern types of wheat have lower quality for human health?. Nutrition Bulletin, 2020, 45, 362-373.	0.8	23
33	Profiling and quantification of grain anthocyanins in purple pericarpâ€‰Ã—â€‰blue aleurone wheat crosses by high-performance thin-layer chromatography and densitometry. Plant Methods, 2018, 14, 29.	1.9	22
34	HMW glutenin subunit composition and bread making quality of Austrian grown wheats. Cereal Research Communications, 1997, 25, 955-962.	0.8	22
35	Evaluation of European emmer wheat germplasm for agro-morphological, grain quality traits and molecular traits. Genetic Resources and Crop Evolution, 2014, 61, 69-87.	0.8	19
36	Evaluating the effect of agronomic management practices on the performance of differing spelt (Triticum spelta) cultivars in contrasting environments. Field Crops Research, 2020, 255, 107869.	2.3	18

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37	Trypsin inhibitor activity of soybean as affected by genotype and fertilisation. Journal of the Science of Food and Agriculture, 2003, 83, 1581-1586.	1.7	17
38	A DNA fingerprinting-based taxonomic allocation of Kamut wheat. Plant Genetic Resources: Characterisation and Utilisation, 2006, 4, 172-180.	0.4	17
39	Influence of dough improvers on whole-grain bread quality of einkorn wheat. Acta Alimentaria, 2008, 37, 379-390.	0.3	16
40	Development of an enzymatic assay for the quantitative determination of trypsin inhibitory activity in wheat. Food Chemistry, 2019, 299, 125038.	4.2	13
41	Fusarium head blight reactions and accumulation of deoxynivalenol, moniliformin and zearalenone in wheat grains. Cereal Research Communications, 2003, 31, 407-414.	0.8	13
42	On-farm Diversity and Characterization of Barley (Hordeum vulgare L.) Landraces in the Highlands of West Shewa, Ethiopia. Ethnobotany Research and Applications, 0, 8, 025.	0.3	12
43	Stability of hybrid combinations of marjoram (Origanum majoranaL.). Flavour and Fragrance Journal, 2003, 18, 401-406.	1.2	11
44	Cross-Platform Microarray Meta-Analysis for the Mouse Jejunum Selects Novel Reference Genes with Highly Uniform Levels of Expression. PLoS ONE, 2013, 8, e63125.	1.1	11
45	Utilization of barley (Hordeum vulgare L.) landraces in the highlands of West Shewa, Ethiopia. Plant Genetic Resources: Characterisation and Utilisation, 2009, 7, 154-162.	0.4	10
46	Ã€ cÃ´Ã© calibration â€“ Making optimal use of time and space in quantitative high performance thin layer chromatography. Journal of Chromatography A, 2018, 1533, 193-198.	1.8	10
47	Expression of platelet-derived growth factor BB, erythropoietin and erythropoietin receptor in canine and feline osteosarcoma. Veterinary Journal, 2015, 206, 67-74.	0.6	9
48	Diversity and Pre-Breeding Prospects for Local Adaptation in Oat Genetic Resources. Sustainability, 2019, 11, 6950.	1.6	9
49	Agronomic and quality performance of international winter wheat genotypes grown in Kosovo. Cereal Research Communications, 2006, 34, 957-964.	0.8	9
50	Quality traits in winter wheat: Comparison of stability parameters and correlations between traits regarding their stability. Journal of Cereal Science, 2017, 77, 186-193.	1.8	8
51	Fitness and growth of the ephemeral mudflat species Cyperus fuscus in river and anthropogenic habitats in response to fluctuating water-levels. Flora: Morphology, Distribution, Functional Ecology of Plants, 2017, 234, 135-149.	0.6	8
52	Minor cereals exhibit superior antioxidant effects on human epithelial cells compared to common wheat cultivars. Journal of Cereal Science, 2019, 85, 143-152.	1.8	8
53	Synthesis and accumulation of amylase-trypsin inhibitors and changes in carbohydrate profile during grain development of bread wheat (Triticum aestivum L.). BMC Plant Biology, 2021, 21, 113.	1.6	7
54	Evaluating the effect of nitrogen fertilizer rate and source on the performance of openâ€pollinated rye (Secale cereale L.) cultivars in contrasting European environments. Crop Science, 2022, 62, 928-946.	0.8	7

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55	Resistance of â€˜Chinese Springâ€™ Substitution Lines Carrying Chromosomes from â€˜Cheyenneâ€™, â€˜Hopeâ€™ and â€˜Lutescens 62â€™ Wheats to Head Blight Caused by Fusarium Culmorum. Hereditas, 2004, 130, 57-63.	0.5	6
56	Hulless Barley â€“ A Rediscovered Source for Functional Foods Phytochemical Profile and Soluble Dietary Fibre Content in Naked Barley Varieties and Their Antioxidant Properties. , 0, , .		6
57	FODMAPs in Wheat. , 2020, , 517-534.		6
58	Classifying Ethiopian Tetraploid Wheat (<i>Triticum turgidum L</i>.) Landraces by Combined Analysis of Molecular & Phenotypic Data. Science, Technology and Arts Research, 2013, 1, 01.	0.1	4
59	On-Farm Diversity and Genetic Erosion of Tetraploid Wheat Landraces in Ambo and Dandi Districts, West Shewa, Ethiopia. Science, Technology and Arts Research, 2013, 2, 01.	0.1	4
60	Genetic Analysis of Fusarium Head Blight Resistance and Toxin Tolerance in Wheat Using Inter-Varietal Chromosome Substitution Lines. Cereal Research Communications, 1997, 25, 743-744.	0.8	4
61	Recent approaches in screening methodology for drought resistance.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-14.	0.6	4
62	A new micro-baking method for determination of crumb firmness properties in fresh bread and bread made from frozen dough / Entwicklung eines Mikrobackversuches zur Evaluierung der Krumeneigenschaften von frischen Broten und Broten aus vorgegarten TiefkÃ¼hlteiglingen. Bodenkultur, 2017, 68, 29-39.	0.1	3
63	Self-organising maps for the exploration and classification of thin-layer chromatograms. Talanta, 2021, 233, 122460.	2.9	3
64	Homemade Products and Socio-Cultural Values of Wheat Seed Production in Ambo and Dandi Districts of West Central Ethiopia. Science, Technology and Arts Research, 2014, 2, 62.	0.1	2
65	Resistance of Winter Spelt Wheat [Triticum aestivum subsp. spelta (L.) Thell.] to Fusarium Head Blight. Frontiers in Plant Science, 2021, 12, 661484.	1.7	2
66	Phenolic Compounds in Wheat Kernels: Genetic and Genomic Studies of Biosynthesis and Regulations. , 2020, , 225-253.		2
67	Purple and Blue Wheatâ€”Health-Promoting Grains with Increased Antioxidant Activity. Cereal Foods World, 2018, , .	0.7	2
68	Genetic variation in an ephemeral mudflat species: The role of the soil seed bank and dispersal in river and secondary anthropogenic habitats. Ecology and Evolution, 2020, 10, 3620-3635.	0.8	1
69	Evaluation of the Breadmaking Quality of Austrian-Grown Wheats Using an Automatic Home-Bakery. Cereal Research Communications, 2001, 29, 421-428.	0.8	1
70	Breeding research on resistance to Fusarium head blight in wheay. Developments in Plant Breeding, 1999, , 51-59.	0.2	1
71	Developing hulled wheat-based cereal products with enhanced nutritional properties: emmer, einkorn and spelt. Burleigh Dodds Series in Agricultural Science, 2021, , 267-292.	0.1	0
72	An integrated approach to diversify the genetic base, improve stress resistance, agronomic management and nutritional/processing quality of minor cereal crops for human nutrition in Europe. Impact, 2017, 2017, 72-74.	0.0	0

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73	Effects of the orange lemma (rob1) mutant line of barley cv. â€˜Opticâ€™ compared with its wild-type on the ruminal microbiome and fermentation tested with the rumen simulation technique. Crop and Pasture Science, 2019, 70, 789.	0.7	0
74	Peter Ruckenbauer (1939â€“2019) â€“ Ein wissenschaftlicher Nachruf. Bodenkultur, 2019, 70, 125-129.	0.1	0
75	Carotenoid determination from wheat by HPLC. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Agriculture, 0, 63, .	0.0	0