Tatyana A Pshenichnikova

List of Publications by Year
in descending order

48	576	623734	713466
papers	citations	14 h-index	21 g-index

54	54	54	581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative mapping of genes for glume colouration and pubescence in hexaploid wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 0 0 0 rgBT /Overlock 10 Tf	3.6	44
2	Molecular mapping of genes determining hairy leaf character in common wheat with respect to other species of the Triticeae. Euphytica, 2007, 155, 285-293.	1.2	38
3	Methods of high-throughput plant phenotyping for large-scale breeding and genetic experiments. Russian Journal of Genetics, 2016, 52, 688-701.	0.6	35
4	Association genetics studies on frost tolerance in wheat (Triticum aestivum L.) reveal new highly conserved amino acid substitutions in CBF-A3, CBF-A15, VRN3 and PPD1 genes. BMC Genomics, 2018, 19, 409.	2.8	31
5	Functional diversity at the Rc (red coleoptile) gene in bread wheat. Molecular Breeding, 2010, 25, 125-132.	2.1	28
6	Leaf dehydroascorbate reductase and catalase activity is associated with soil drought tolerance in bread wheat. Acta Physiologiae Plantarum, 2011, 33, 2169-2177.	2.1	26
7	Quantitative characteristics of pubescence in wheat (Triticum aestivum L.) are associated with photosynthetic parameters under conditions of normal and limited water supply. Planta, 2019, 249, 839-847.	3.2	24
8	The study of introgressive lines of Triticum aestivum x Aegilops speltoides by in situ and SSR analyses. Plant Breeding, 2004, 123, 220-224.	1.9	22
9	Morphological characterization and inheritance of leaf hairiness in wheat (Triticum aestivum L.) as analyzed by computer-aided phenotyping. Russian Journal of Genetics, 2011, 47, 739-743.	0.6	22
10	Mapping of the quantitative trait loci (QTL) associated with grain quality characteristics of the bread wheat grown under different environmental conditions. Russian Journal of Genetics, 2008, 44, 74-84.	0.6	20
11	Extraction of quantitative characteristics describing wheat leaf pubescence with a novel image-processing technique. Planta, 2012, 236, 1943-1954.	3.2	20
12	The development of precise genetic stocks in two wheat cultivars and their use in genetic analysis. Euphytica, 1996, 89, 11-15.	1.2	18
13	Regions of the bread wheat D genome associated with variation in key photosynthesis traits and shoot biomass under both well watered and water deficient conditions. Journal of Applied Genetics, 2016, 57, 151-163.	1.9	16
14	The Inheritance of Morphological and Biochemical Traits Introgressed into Common Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	14
15	The effects on grain endosperm structure of an introgression from Aegilops speltoides Tausch. into chromosome 5A of bread wheat. Euphytica, 2010, 175, 315-322.	1.2	14
16	Development and molecular characterization of a novel wheat genotype having purple grain colour. Cereal Research Communications, 2012, 40, 210-214.	1.6	13
17	Interactions between leaf pubescence genes in bread wheat as assessed by high throughput phenotyping. Euphytica, 2016, 207, 491-500.	1.2	13
18	Genome wide association study of frost tolerance in wheat. Scientific Reports, 2022, 12, 5275.	3.3	13

#	Article	IF	Citations
19	The antioxidant enzymes activity in leaves of inter-varietal substitution lines of wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2455-2465.	2.1	12
20	Role of lipoxygenase in the determination of wheat grain quality. Applied Biochemistry and Microbiology, 2010, 46, 87-92.	0.9	11
21	Inheritance of genes coding for gliadin proteins and glume colour introgressed into Triticum aestivum from a synthetic wheat. Plant Breeding, 1995, 114, 501-504.	1.9	9
22	Genetic analysis of leaf pubescence in isogenic lines of bread wheat Novosibirskaya 67. Russian Journal of Genetics, 2014, 50, 153-160.	0.6	8
23	Dissection of novel candidate genes for grain texture in Russian wheat varieties. Plant Molecular Biology, 2020, 104, 219-233.	3.9	8
24	Regions of Chromosome 2A of Bread Wheat (Triticum aestivum L.) Associated with Variation in Physiological and Agronomical Traits under Contrasting Water Regimes. Plants, 2021, 10, 1023.	3.5	8
25	Hybrid and Monosomic Analyses of Smoky Coloration of the Ear in Common Wheat. Russian Journal of Genetics, 2005, 41, 941-943.	0.6	7
26	The effect of intercultivar substitution of wheat Triticum aestivum L. chromosomes on lipoxygenase activity and its correlation with the technological properties of flour. Applied Biochemistry and Microbiology, 2007, 43, 91-97.	0.9	7
27	Diversity of leaf pubescence in bread wheat and relative species. Genetic Resources and Crop Evolution, 2017, 64, 1761-1773.	1.6	6
28	Chromosome regions associated with the activity of lipoxygenase in the genome D of Triticum aestivum L. under water deficit. Russian Journal of Plant Physiology, 2017, 64, 28-40.	1.1	6
29	Lipoxygenase from the leaves of wheat grown under different water supply conditions. Applied Biochemistry and Microbiology, 2012, 48, 77-82.	0.9	5
30	WheatPGE: A system for analysis of relationships among the phenotype, genotype, and environment in wheat. Russian Journal of Genetics: Applied Research, 2012, 2, 262-269.	0.4	5
31	Physiological responses to water deficiency in bread wheat (Triticum aestivum L.) lines with genetically different leaf pubescence. Vavilovskii Zhurnal Genetiki I Selektsii, 2020, 24, 813-820.	1.1	5
32	Effect of arabinogalactan isolated from Siberian larch on the baking value of soft wheat flour and bread quality. Russian Journal of Bioorganic Chemistry, 2010, 36, 951-956.	1.0	4
33	The relationship between the genetic status of the Vrn-1 locus and the size of the root system in bread wheat (Triticum aestivum L.). Vavilovskii Zhurnal Genetiki I Selektsii, 2022, 25, 805-811.	1.1	4
34	Genetic analysis of the traits introgressed from Aegilops speltoides Tausch. to bread wheat and determined by chromosome 5A genes. Russian Journal of Genetics, 2009, 45, 799-804.	0.6	3
35	Chromosomal localization of the speltoidy gene, introgressed into bread wheat from Aegilops speltoides Tausch., and its interaction with the Q gene of Triticum spelta L.. Russian Journal of Genetics, 2012, 48, 1120-1127.	0.6	3
36	Genetic dissection of earliness by analysis of a recombinant chromosome substitution double haploid mapping population of bread wheat (Triticum aestivum L.) in different geographic regions. Euphytica, 2015, 206, 191-202.	1.2	3

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37	The relationship between root system development and vernalization under contrasting irrigation in bread wheat lines with the introgressions from a synthetic hexaploid. Plant Growth Regulation, 2020, 92, 583-595.	3.4	3
38	The identification of a new gene for leaf pubescence introgressed into bread wheat from Triticum timopheevii Zhuk. and its manifestation in a different genotypic background. Plant Genetic Resources: Characterisation and Utilisation, 2021, 19, 238-244.	0.8	3
39	Phenotypic diversity of bread wheat lines with introgressions from the diploid cereal Aegilops speltoides for technological properties of grain and f lour. Vavilovskii Zhurnal Genetiki I Selektsii, 2020, 24, 738-746.	1.1	3
40	Analysis of Inheritance of Morphological and Biochemical Characters Introgressed into Common Wheat from Aegilops speltoides Tausch.. Russian Journal of Genetics, 2005, 41, 643-648.	0.6	2
41	Interaction of genes determining the spike shape of wheat and those located in the 5AL chromosome. Russian Journal of Genetics: Applied Research, 2017, 7, 21-28.	0.4	2
42	Promising opportunities of using molecular genetic approaches for managing wheat grain technological properties in the context of the â€œgrainâ€“flourâ€“breadâ€•chain. Russian Journal of Genetics: Applied Research, 2017, 7, 459-476.	0.4	2
43	Properties of grain, flour and dough in bread wheat lines with Aegilops markgrafii introgressions. Cereal Research Communications, 2017, 45, 296-306.	1.6	2
44	The development of a new bread wheat genotype carrying two loci for endosperm softness. Vavilovskii Zhurnal Genetiki I Selektsii, 2017, 21, 341-346.	1.1	2
45	Effects of limited introgressions from Triticum timopheevii Tausch. into the genome of bread wheat (Triticum aestivum L.) on physiological and biochemical traits under normal watering and drought. Russian Journal of Genetics: Applied Research, 2016, 6, 553-559.	0.4	1
46	Enlargement of the Genetic Diversity for Grain Quality in Bread Wheat Through Alien Introgression. , 2015, , 287-292.		1
47	Biological and economic characteristics of the allotetraploid with genomic formula DDAuAu from the cereal family. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 746-752.	1.1	1
48	Technological properties of grain and flour in bread wheat (Triticum aestivum L.) genotypes carrying two loci that determine the endosperm structure. Proceedings on Applied Botany, Genetics and Breeding, 2021, 182, 91-98.	0.6	0