

Fulvia Rizza

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,810
citations

159585

30
h-index

168389

53
g-index

54
all docs

54
docs citations

54
times ranked

4373
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought tolerance improvement in crop plants: An integrated view from breeding to genomics. <i>Field Crops Research</i> , 2008, 105, 1-14.	5.1	1,122
2	Evaluation of field and laboratory predictors of drought and heat tolerance in winter cereals. <i>Canadian Journal of Plant Science</i> , 1997, 77, 523-531.	0.9	263
3	Two loci on chromosome 5H determine low-temperature tolerance in a "Nure"™ (winter) × "Tremois"™ (spring) barley map. <i>Theoretical and Applied Genetics</i> , 2004, 108, 670-680.	3.6	199
4	Fine mapping of a HvCBF gene cluster at the frost resistance locus Fr-H2 in barley. <i>Theoretical and Applied Genetics</i> , 2007, 115, 1083-1091.	3.6	145
5	Use of chlorophyll fluorescence to evaluate the cold acclimation and freezing tolerance of winter and spring oats. <i>Plant Breeding</i> , 2001, 120, 389-396.	1.9	125
6	Use of a Water Stress Index to Identify Barley Genotypes Adapted to Rainfed and Irrigated Conditions. <i>Crop Science</i> , 2004, 44, 2127-2137.	1.8	125
7	Genetic improvement effects on yield stability in durum wheat genotypes grown in Italy. <i>Field Crops Research</i> , 2010, 119, 68-77.	5.1	118
8	Metabolomic responses triggered by arbuscular mycorrhiza enhance tolerance to water stress in wheat cultivars. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 203-212.	5.8	102
9	Harden the chloroplast to protect the plant. <i>Physiologia Plantarum</i> , 2013, 147, 55-63.	5.2	99
10	Different stress responsive strategies to drought and heat in two durum wheat cultivars with contrasting water use efficiency. <i>BMC Genomics</i> , 2013, 14, 821.	2.8	93
11	Androgenic dihaploids from somatic hybrids between <i>Solanum melongena</i> and <i>S. aethiopicum</i> group gilo as a source of resistance to <i>Fusarium oxysporum</i> f. sp. <i>melongenae</i> . <i>Plant Cell Reports</i> , 2002, 20, 1022-1032.	5.6	78
12	Proteomic insight into the mitigation of wheat root drought stress by arbuscular mycorrhizae. <i>Journal of Proteomics</i> , 2017, 169, 21-32.	2.4	75
13	Determinants of barley grain yield in a wide range of Mediterranean environments. <i>Field Crops Research</i> , 2011, 120, 169-178.	5.1	73
14	Inhibition of photosynthesis by <i>Colletotrichum lindemuthianum</i> in bean leaves determined by chlorophyll fluorescence imaging. <i>Plant, Cell and Environment</i> , 2001, 24, 947-956.	5.7	70
15	Comparing solar radiation interception and use efficiency for the energy crops giant reed (<i>Arundo</i>) Tj ETQq1 1 0.784314 rgBT ₆₄ /Overlook	5.1	64
16	Constitutive differences in water use efficiency between two durum wheat cultivars. <i>Field Crops Research</i> , 2012, 125, 49-60.	5.1	56
17	Studies for assessing the influence of hardening on cold tolerance of barley genotypes. <i>Euphytica</i> , 1994, 75, 131-138.	1.2	55
18	Genetic variants of HvCbf14 are statistically associated with frost tolerance in a European germplasm collection of <i>Hordeum vulgare</i> . <i>Theoretical and Applied Genetics</i> , 2009, 119, 1335-1348.	3.6	54

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19	Metabolic changes associated with cold-acclimation in contrasting cultivars of barley. <i>Physiologia Plantarum</i> , 1995, 94, 87-93.	5.2	50
20	The rice <i>Osmyb4</i> gene enhances tolerance to frost and improves germination under unfavourable conditions in transgenic barley plants. <i>Journal of Applied Genetics</i> , 2012, 53, 133-143.	1.9	48
21	Population structure and genome-wide association analysis for frost tolerance in oat using continuous SNP array signal intensity ratios. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1711-1724.	3.6	48
22	Wild and cultivated barleys show differences in the expression pattern of a cold-regulated gene family under different light and temperature conditions. <i>Plant Molecular Biology</i> , 1998, 38, 1061-1069.	3.9	46
23	Copy number variation at the <i>HvCBF4</i> – <i>HvCBF2</i> genomic segment is a major component of frost resistance in barley. <i>Plant Molecular Biology</i> , 2016, 92, 161-175.	3.9	45
24	Diversity in the Response to Low Temperature in Representative Barley Genotypes Cultivated in Europe. <i>Crop Science</i> , 2011, 51, 2759-2779.	1.8	42
25	UAV-based high-throughput phenotyping to discriminate barley vigour with visible and near-infrared vegetation indices. <i>International Journal of Remote Sensing</i> , 2018, 39, 5330-5344.	2.9	42
26	Durum wheat genes up-regulated in the early phases of cold stress are modulated by drought in a developmental and genotype dependent manner. <i>Plant Science</i> , 2007, 172, 1005-1016.	3.6	36
27	Metabolic changes associated with cold-acclimation in contrasting cultivars of barley. <i>Physiologia Plantarum</i> , 1995, 94, 87-93.	5.2	34
28	Current status in production and utilization of dihaploids from somatic hybrids between eggplant (<i>Solanum melongena</i> L.) and its wild relatives. <i>Acta Physiologiae Plantarum</i> , 2005, 27, 723-733.	2.1	32
29	Changes in yield components, morphological, physiological and fruit quality traits in processing tomato cultivated in Italy since the 1930s. <i>Scientia Horticulturae</i> , 2019, 257, 108726.	3.6	32
30	Transcriptome changes associated with cold acclimation in leaves of olive tree (<i>Olea europaea</i> L.). <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	31
31	Marker-assisted characterization of frost tolerance in barley (<i>Hordeum vulgare</i> L.). <i>Plant Breeding</i> , 2009, 128, 381-386.	1.9	29
32	Genetic variation in eggplant for Nitrogen Use Efficiency under contrasting NO ₃ ⁻ supply. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 487-508.	8.5	28
33	Effects of growth stage and hardening conditions on the association between frost resistance and the expression of the cold-induced protein <i>COR14b</i> in barley. <i>Environmental and Experimental Botany</i> , 2008, 62, 93-100.	4.2	27
34	Elevated CO ₂ has concurrent effects on leaf and grain metabolism but minimal effects on yield in wheat. <i>Journal of Experimental Botany</i> , 2020, 71, 5990-6003.	4.8	27
35	Physiological responses to chilling in cultivars of processing tomato released and cultivated over the past decades in Southern Europe. <i>Scientia Horticulturae</i> , 2018, 231, 118-125.	3.6	26
36	Accumulation and characterization of the 75 kDa protein induced by low temperature in barley. <i>Plant Science</i> , 1994, 97, 39-46.	3.6	24

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37	ISSR and Isozyme Characterization of Androgenetic Dihaploids Reveals Tetrasomic Inheritance in Tetraploid Somatic Hybrids between <i>Solanum melongena</i> and <i>Solanum aethiopicum</i> Group Gilo. <i>Journal of Heredity</i> , 2008, 99, 304-315.	2.4	24
38	Association between the allele compositions of major plant developmental genes and frost tolerance in barley (<i>Hordeum vulgare</i> L.) germplasm of different origin. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	24
39	Development of PCR-based markers on chromosome 5H for assisted selection of frost-tolerant genotypes in barley. <i>Molecular Breeding</i> , 2004, 14, 265-273.	2.1	21
40	Allelic variation at Fr-H1/Vrn-H1 and Fr-H2 loci is the main determinant of frost tolerance in spring barley. <i>Environmental and Experimental Botany</i> , 2014, 106, 148-155.	4.2	21
41	Molecular adaptation of barley to cold and drought conditions. <i>Euphytica</i> , 1996, 92, 215-219.	1.2	20
42	Elevated field atmospheric CO ₂ concentrations affect the characteristics of winter wheat (cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.5	20
43	Determinants of barley grain yield in drought-prone Mediterranean environments. <i>Italian Journal of Agronomy</i> , 2013, 8, 1.	1.0	17
44	Elevated CO ₂ Impact on Common Wheat (<i>Triticum aestivum</i> L.) Yield, Wholemeal Quality, and Sanitary Risk. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10574-10585.	5.2	16
45	A Combined Field/Laboratory Method for Assessment of Frost Tolerance with Freezing Tests and Chlorophyll Fluorescence. <i>Agronomy</i> , 2015, 5, 71-88.	3.0	14
46	Interaction of Tomato Genotypes and Arbuscular Mycorrhizal Fungi under Reduced Irrigation. <i>Horticulturae</i> , 2019, 5, 79.	2.8	13
47	Cold Hardening In Triticale In Comparison With Rye And Wheat. <i>Cereal Research Communications</i> , 1997, 25, 947-954.	1.6	10
48	Increasing atmospheric CO ₂ modifies durum wheat grain quality and pasta cooking quality. <i>Journal of Cereal Science</i> , 2016, 69, 245-251.	3.7	10
49	Barley Developmental Mutants: The High Road to Understand the Cereal Spike Morphology. <i>Diversity</i> , 2017, 9, 21.	1.7	10
50	Extensive allele mining discovers novel genetic diversity in the loci controlling frost tolerance in barley. <i>Theoretical and Applied Genetics</i> , 2021, , 1.	3.6	9
51	Molecular adaptation of barley to cold and drought conditions. <i>Developments in Plant Breeding</i> , 1997, , 237-241.	0.2	8
52	Genetic progress of oats in Italy. <i>Euphytica</i> , 2008, 164, 679-687.	1.2	7
53	Agrobiodiversity for Adaptive and Yield Traits in Romanian and Italian Barley Cultivars across Four Continental Environments. <i>Agronomy</i> , 2018, 8, 79.	3.0	2
54	Physiological and Molecular Response of Barley to Cold and Drought Stress. , 1996, , 49-54.		1