Enrico Francia

List of Publications by Year
in descending order

67 papers	4,800 citations	159585 30 h-index	106344 65 g-index
70 all docs	70 docs citations	70 times ranked	5443 citing authors

#	Article	IF	Citations
1	Drought tolerance improvement in crop plants: An integrated view from breeding to genomics. Field Crops Research, 2008, 105, 1-14.	5.1	1,122
2	Natural variation in a homolog of Antirrhinum CENTRORADIALIS contributed to spring growth habit and environmental adaptation in cultivated barley. Nature Genetics, 2012, 44, 1388-1392.	21.4	477
3	Hv-WRKY38: a new transcription factor involved in cold- and drought-response in barley. Plant Molecular Biology, 2004, 55, 399-416.	3.9	273
4	Molecular and Structural Characterization of Barley Vernalization Genes. Plant Molecular Biology, 2005, 59, 449-467.	3.9	258
5	Two loci on chromosome 5H determine low-temperature tolerance in a â€˜Nureâ€™ (winter) Ã— â€˜Tremoisâ€™ (spring) barley map. Theoretical and Applied Genetics, 2004, 108, 670-680.	3.6	199
6	Marker assisted selection in crop plants. Plant Cell, Tissue and Organ Culture, 2005, 82, 317-342.	2.3	176
7	Fine mapping of a HvCBF gene cluster at the frost resistance locus Fr-H2 in barley. Theoretical and Applied Genetics, 2007, 115, 1083-1091.	3.6	145
8	Mapping regulatory genes as candidates for cold and drought stress tolerance in barley. Theoretical and Applied Genetics, 2006, 112, 445-454.	3.6	128
9	Expression levels of barley Cbf genes at the Frost resistanceâ€H2 locus are dependent upon alleles at Frâ€H1 and Frâ€H2. Plant Journal, 2007, 51, 308-321.	5.7	121
10	Genome-wide association mapping of frost tolerance in barley (Hordeum vulgare L.). BMC Genomics, 2013, 14, 424.	2.8	101
11	Gene expression in grapevine cultivars in response to Bois Noir phytoplasma infection. Plant Science, 2009, 176, 792-804.	3.6	94
12	The impact of climate change on barley yield in the Mediterranean basin. European Journal of Agronomy, 2019, 106, 1-11.	4.1	93
13	Use of black soldier fly (Hermetia illucens (L.), Diptera: Stratiomyidae) larvae processing residue in peat-based growing media. Waste Management, 2019, 95, 278-288.	7.4	88
14	QTLs for barley yield adaptation to Mediterranean environments in the â€˜Nureâ€™ÂÃ—Ââ€˜Tremoisâ€™ biparental population. Euphytica, 2014, 197, 73-86.	1.2	74
15	Determinants of barley grain yield in a wide range of Mediterranean environments. Field Crops Research, 2011, 120, 169-178.	5.1	73
16	Isolate-specific QTLs of resistance to leaf stripe (Pyrenophora graminea) in the 'Steptoe' Ã— 'Morex' spring barley cross. Theoretical and Applied Genetics, 2003, 106, 668-675.	3.6	68
17	Effects of solid and liquid digestate for hydroponic baby leaf lettuce (Lactuca sativa L.) cultivation. Scientia Horticulturae, 2019, 244, 172-181.	3.6	66
18	Epigenetic chromatin modifiers in barley: I. Cloning, mapping and expression analysis of the plant specific HD2 family of histone deacetylases from barley, during seed development and after hormonal treatment. Physiologia Plantarum, 2009, 136, 358-368.	5.2	65

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19	Blossom end-rot in tomato (Solanum lycopersicum L.): A multi-disciplinary overview of inducing factors and control strategies. Scientia Horticulturae, 2019, 249, 49-58.	3.6	65
20	Epigenetic chromatin modifiers in barley: IV. The study of barley Polycomb group (PcG) genes during seed development and in response to external ABA. BMC Plant Biology, 2010, 10, 73.	3.6	63
21	Inside the CBF locus in Poaceae. Plant Science, 2011, 180, 39-45.	3.6	60
22	Using Digestate and Biochar as Fertilizers to Improve Processing Tomato Production Sustainability. Agronomy, 2020, 10, 138.	3.0	53
23	Biomass production and dry matter partitioning of processing tomato under organic vs conventional cropping systems in a Mediterranean environment. Scientia Horticulturae, 2017, 224, 163-170.	3.6	52
24	Carbon footprint and energetic analysis of tomato production in the organic vs the conventional cropping systems in Southern Italy. Journal of Cleaner Production, 2019, 220, 836-845.	9.3	49
25	Dual-purpose barley and oat in a Mediterranean environment. Field Crops Research, 2006, 99, 158-166.	5.1	48
26	Copy number variation at the HvCBF4â€“HvCBF2 genomic segment is a major component of frost resistance in barley. Plant Molecular Biology, 2016, 92, 161-175.	3.9	45
27	Diversity in the Response to Low Temperature in Representative Barley Genotypes Cultivated in Europe. Crop Science, 2011, 51, 2759-2779.	1.8	42
28	Barley adaptation and improvement in the Mediterranean basin. Plant Breeding, 2008, 127, 554-560.	1.9	40
29	Physiological responses of processing tomato in organic and conventional Mediterranean cropping systems. Scientia Horticulturae, 2015, 190, 161-172.	3.6	39
30	Transcriptome profiling of short-term response to chilling stress in tolerant and sensitive Oryza sativa ssp. Japonica seedlings. Functional and Integrative Genomics, 2018, 18, 627-644.	3.5	34
31	Changes in yield components, morphological, physiological and fruit quality traits in processing tomato cultivated in Italy since the 1930â€™s. Scientia Horticulturae, 2019, 257, 108726.	3.6	32
32	Arbuscular Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria Avoid Processing Tomato Leaf Damage during Chilling Stress. Agronomy, 2019, 9, 299.	3.0	32
33	Markerâ€assisted characterization of frost tolerance in barley (Hordeum vulgare L.). Plant Breeding, 2009, 128, 381-386.	1.9	29
34	Technological Quality and Nutritional Value of Two Durum Wheat Varieties Depend on Both Genetic and Environmental Factors. Journal of Agricultural and Food Chemistry, 2019, 67, 2384-2395.	5.2	29
35	QTLs for resistance to the false brome rust Puccinia brachypodii in the model grass Brachypodium distachyon L.. Genome, 2012, 55, 152-163.	2.0	28
36	Valorization of Vineyard By-Products to Obtain Composted Digestate and Biochar Suitable for Nursery Grapevine (Vitis vinifera L.) Production. Agronomy, 2019, 9, 420.	3.0	27

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37	Candidate gene expression profiling in two contrasting tomato cultivars under chilling stress. Biologia Plantarum, 2014, 58, 283-295.	1.9	26
38	Physiological responses to chilling in cultivars of processing tomato released and cultivated over the past decades in Southern Europe. Scientia Horticulturae, 2018, 231, 118-125.	3.6	26
39	Nitrogen Fertilizers Shape the Composition and Predicted Functions of the Microbiota of Field-Grown Tomato Plants. Phytobiomes Journal, 2019, 3, 315-325.	2.7	26
40	Genomic regions determining resistance to leaf stripe (Pyrenophora graminea) in barley. Genome, 2002, 45, 460-466.	2.0	24
41	A Meta-Analysis of Comparative Transcriptomic Data Reveals a Set of Key Genes Involved in the Tolerance to Abiotic Stresses in Rice. International Journal of Molecular Sciences, 2019, 20, 5662.	4.1	24
42	Development of PCR-based markers on chromosome 5H for assisted selection of frost-tolerant genotypes in barley. Molecular Breeding, 2004, 14, 265-273.	2.1	21
43	Combined Effect of Cadmium and Lead on Durum Wheat. International Journal of Molecular Sciences, 2019, 20, 5891.	4.1	21
44	Testing the influence of digestate from biogas on growth and volatile compounds of basil (Ocimum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Medicinal and Aromatic Plants, 2018, 11, 18-26.	1.5	20
45	QTL alleles from a winter feed type can improve malting quality in barley. Plant Breeding, 2009, 128, 598-605.	1.9	19
46	The barley Frost resistance-H2 locus. Functional and Integrative Genomics, 2014, 14, 85-100.	3.5	19
47	Determinants of barley grain yield in drought-prone Mediterranean environments. Italian Journal of Agronomy, 2013, 8, 1.	1.0	17
48	Plant Biostimulants in Sustainable Potato Production: an Overview. Potato Research, 2022, 65, 83-104.	2.7	17
49	In Silico Identification of MYB and bHLH Families Reveals Candidate Transcription Factors for Secondary Metabolic Pathways in Cannabis sativa L.. Plants, 2020, 9, 1540.	3.5	14
50	Panicum spikelets from the Early Holocene Takarkori rockshelter (SW Libya): Archaeo-molecular and -botanical investigations. Plant Biosystems, 2018, 152, 1-13.	1.6	13
51	Interaction of Tomato Genotypes and Arbuscular Mycorrhizal Fungi under Reduced Irrigation. Horticulturae, 2019, 5, 79.	2.8	13
52	Bioplastic Film from Black Soldier Fly Prepupae Proteins Used as Mulch: Preliminary Results. Agronomy, 2020, 10, 933.	3.0	12
53	Genetic and Management Effects on Barley Yield and Phenology in the Mediterranean Basin. Frontiers in Plant Science, 2021, 12, 655406.	3.6	12
54	Influence of environmental and genetic factors on content of toxic and immunogenic wheat gluten peptides. European Journal of Agronomy, 2020, 118, 126091.	4.1	10

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55	Effects of Biostimulants on the Chemical Composition of Essential Oil and Hydrosol of Lavandin (Lavandula x intermedia Emeric ex Loisel.) Cultivated in Tuscan-Emilian Apennines. Molecules, 2021, 26, 6157.	3.8	10
56	Extensive allele mining discovers novel genetic diversity in the loci controlling frost tolerance in barley. Theoretical and Applied Genetics, 2021, , 1.	3.6	9
57	CNV and Structural Variation in Plants: Prospects of NGS Approaches. , 2015, , 211-232.		8
58	Agronomic and molecular evaluation of cocksfoot and tall fescue cultivars for adaptation to an Algerian drought-prone environment. Euphytica, 2016, 212, 371-386.	1.2	8
59	Tracking celiac disease-triggering peptides and whole wheat flour quality as function of germination kinetics. Food Research International, 2018, 112, 345-352.	6.2	6
60	Characterization of Celiac Disease-Related Epitopes and Gluten Fractions, and Identification of Associated Loci in Durum Wheat. Agronomy, 2020, 10, 1231.	3.0	6
61	Influence of CNV on transcript levels of HvCBF genes at Fr-H2 locus revealed by resequencing in resistant barley cv. â€˜Nureâ€™ and expression analysis. Plant Science, 2020, 290, 110305.	3.6	5
62	Biostimulants and cherry rootstock increased tomato fruit yield and quality in sustainable farming systems. Italian Journal of Agronomy, 0, , .	1.0	5
63	Marker characterization of vernalization and low-temperature tolerance loci in barley genotypes adapted to semi-arid environments. Czech Journal of Genetics and Plant Breeding, 2016, 52, 157-162.	0.8	4
64	Agronomic Comparisons of Heirloom and Modern Processing Tomato Genotypes Cultivated in Organic and Conventional Farming Systems. Agronomy, 2021, 11, 349.	3.0	4
65	Evaluation of Cucurbita pepo germplasm for staminate flower production and adaptation to the frozen food industry. Scientia Horticulturae, 2016, 213, 321-330.	3.6	3
66	Haplotype structure around the nud locus in barley and its association with resistance to leaf stripe (Pyrenophora graminea). Plant Breeding, 2007, 126, 24-29.	1.9	2
67	Interspecific rootstock can enhance yield of processing tomatoes (Solanum lycopersicum L.) in organic farming. Biological Agriculture and Horticulture, 2020, 36, 156-171.	1.0	2