Piergiorgio Stevanato

List of Publications by Year
in descending order

64 papers	1,388 citations	361413 20 h-index	395702 33 g-index
66 all docs	66 docs citations	66 times ranked	1454 citing authors

#	Article	IF	Citations
1	Root morphological and molecular responses induced by microalgae extracts in sugar beet (Beta) Tj ETQq1 1 0.784314 rgBT /Overloc	2.8	103
2	The origin of rhizomania resistance in sugar beet. Euphytica, 2002, 127, 383-397.	1.2	88
3	Transcriptome Analysis of Salt-Sensitive and Tolerant Genotypes Reveals Salt-Tolerance Metabolic Pathways in Sugar Beet. International Journal of Molecular Sciences, 2019, 20, 5910.	4.1	71
4	The physiological and metabolic changes in sugar beet seedlings under different levels of salt stress. Journal of Plant Research, 2017, 130, 1079-1093.	2.4	66
5	Sugar Beet. , 2010, , 173-219.		65
6	Transcriptome and Cell Physiological Analyses in Different Rice Cultivars Provide New Insights Into Adaptive and Salinity Stress Responses. Frontiers in Plant Science, 2018, 9, 204.	3.6	65
7	Genetic transformation of the sugar beet plastome. Transgenic Research, 2009, 18, 17-30.	2.4	63
8	Sustainability of the Sugar Beet Crop. Sugar Tech, 2019, 21, 703-716.	1.8	49
9	Genotype by environment interaction components underlying variations in root, sugar and white sugar yield in sugar beet (Beta vulgaris L.). Euphytica, 2018, 214, 1.	1.2	43
10	Comparative Physiological and Proteomic Analysis of Two Sugar Beet Genotypes with Contrasting Salt Tolerance. Journal of Agricultural and Food Chemistry, 2019, 67, 6056-6073.	5.2	42
11	Beneficial Bacteria Isolated from Grapevine Inner Tissues Shape Arabidopsis thaliana Roots. PLoS ONE, 2015, 10, e0140252.	2.5	41
12	Achievements and prospects in breeding for rhizomania resistance in sugar beet. Field Crops Research, 2011, 122, 165-172.	5.1	37
13	Morpho-physiological responses of sugar beet (Beta vulgaris L.) genotypes to drought stress. Acta Physiologiae Plantarum, 2013, 35, 853-865.	2.1	34
14	Effect of living cells of microalgae or their extracts on soil enzyme activities. Archives of Agronomy and Soil Science, 2019, 65, 712-726.	2.6	33
15	Chicory and Jerusalem artichoke productivity in different areas of Italy, in relation to water availability and time of harvest. Italian Journal of Agronomy, 2006, 1, 291.	1.0	31
16	Molecular and morpho-physiological characterization of sea, ruderal and cultivated beets. Euphytica, 2009, 169, 19-29.	1.2	31
17	Identification and Validation of a SNP Marker Linked to the Gene HsBvm-1 for Nematode Resistance in Sugar Beet. Plant Molecular Biology Reporter, 2015, 33, 474-479.	1.8	29
18	Innovative Approaches to Evaluate Sugar Beet Responses to Changes in Sulfate Availability. Frontiers in Plant Science, 2018, 9, 14.	3.6	29

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19	Green walls to treat kitchen greywater in urban areas: Performance from a pilot-scale experiment. Science of the Total Environment, 2021, 757, 144189.	8.0	27
20	Effect of Microalgal Extracts from Chlorella vulgaris and Scenedesmus quadricauda on Germination of Beta vulgaris Seeds. Plants, 2020, 9, 675.	3.5	26
21	Application of anaerobic dynamic membrane bioreactor (AnDMBR) for the successful enrichment of Anammox bacteria using mixed anaerobic and aerobic seed sludge. Bioresource Technology, 2018, 266, 532-540.	9.6	23
22	Fast Regulation of Hormone Metabolism Contributes to Salt Tolerance in Rice (Oryza sativa spp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.5	22
23	Effects of different concentrations of glyphosate (Roundup 360Â®) on earthworms (Octodrilus) Tj ETQq1 1 0.784314 rgBT /Overlock Italy. Applied Soil Ecology, 2018, 123, 802-808.	4.3	21
24	Molecular and Morphological Changes Induced by Leonardite-based Biostimulant in Beta vulgaris L.. Plants, 2019, 8, 181.	3.5	20
25	Root traits and yield in sugar beet: identification of AFLP markers associated with root elongation rate. Euphytica, 2010, 173, 289-298.	1.2	18
26	Proteomic changes induced by potassium deficiency and potassium substitution by sodium in sugar beet. Journal of Plant Research, 2016, 129, 527-538.	2.4	18
27	Germination Data Analysis by Time-to-Event Approaches. Plants, 2020, 9, 617.	3.5	16
28	Foliar Spray Application of Chlorella vulgaris Extract: Effect on the Growth of Lettuce Seedlings. Agronomy, 2021, 11, 308.	3.0	16
29	High-Throughput RAD-SNP Genotyping for Characterization of Sugar Beet Genotypes. Plant Molecular Biology Reporter, 2013, 32, 691.	1.8	15
30	Relationship between Subsoil Nitrogen Availability and Sugarbeet Processing Quality. Agronomy Journal, 2010, 102, 17-22.	1.8	13
31	H2O2 Signature and Innate Antioxidative Profile Make the Difference Between Sensitivity and Tolerance to Salt in Rice Cells. Frontiers in Plant Science, 2018, 9, 1549.	3.6	13
32	Morpho-biometric and biochemical responses in lettuce seedlings treated by different application methods of Chlorella vulgaris extract: foliar spray or root drench?. Journal of Applied Phycology, 2022, 34, 889-901.	2.8	13
33	The sea beet (Beta vulgaris L. ssp.maritima) of the adriatic coast as source of resistance for sugar beet. Sugar Tech, 2001, 3, 77-82.	1.8	11
34	Identification and validation of SNP markers linked to seed toxicity in Jatropha curcas L. Scientific Reports, 2019, 9, 10220.	3.3	11
35	Novel Effects of Leonardite-Based Applications on Sugar Beet. Frontiers in Plant Science, 2021, 12, 646025.	3.6	11
36	Sugar Beet Resistance to Rhizomania: State of the Art and Perspectives. Sugar Tech, 2010, 12, 238-242.	1.8	10

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37	Identification and characterization of genes differentially displayed in Rosa hybrida petals during flower senescence. Scientia Horticulturae, 2011, 128, 320-324.	3.6	10
38	Targeted Next-Generation Sequencing Identification of Mutations in Disease Resistance Gene Analogs (RGAs) in Wild and Cultivated Beets. Genes, 2017, 8, 264.	2.4	10
39	Weed Seed Decay in No-Till Field and Planted Riparian Buffer Zone. Plants, 2020, 9, 293.	3.5	10
40	Dynamics of soil prokaryotes catalyzing nitrification and denitrification in response to different fertilizers in a greenhouse experiment with Cynodon dactylon. European Journal of Soil Biology, 2016, 76, 83-91.	3.2	9
41	Rapid peat accumulation favours the occurrence of both fen and bog microbial communities within a Mediterranean, free-floating peat island. Scientific Reports, 2017, 7, 8511.	3.3	9
42	Molecular progress in sugar beet breeding for resistance to biotic stresses in sub-arid conditions-current status and perspectives. Journal of Crop Science and Biotechnology, 2017, 20, 99-105.	1.5	9
43	Transcriptional and Physiological Analyses to Assess the Effects of a Novel Biostimulant in Tomato. Frontiers in Plant Science, 2021, 12, 781993.	3.6	9
44	Characteristics of Compost Obtained from Winemaking Byproducts. Waste and Biomass Valorization, 2018, 9, 2021-2029.	3.4	8
45	Dynamic Response of Key Germination Traits to NaCl Stress in Sugar Beet Seeds. Sugar Tech, 2019, 21, 661-671.	1.8	7
46	High-Throughput Isolation of Nucleic Acids from Soil. Soil Systems, 2020, 4, 3.	2.6	7
47	SNP Alleles Associated With Low Bolting Tendency in Sugar Beet. Frontiers in Plant Science, 2021, 12, 693285.	3.6	7
48	Expression Profiling of Candidate Genes in Sugar Beet Leaves Treated with Leonardite-Based Biostimulant. High-Throughput, 2019, 8, 18.	4.4	6
49	Classification of Grain Amaranths Using Chromosome-Level Genome Assembly of Ramdana, A. hypochondriacus. Frontiers in Plant Science, 2020, 11, 579529.	3.6	6
50	Development of an SNP Assay for Marker-Assisted Selection of Soil-Borne Rhizoctonia solani AG-2-2-IIIB Resistance in Sugar Beet. Biology, 2022, 11, 49.	2.8	6
51	Sugar Beet Yield and Processing Quality in Relation to Nitrogen Content and Microbiological Diversity of Deep Soil Layer. Sugar Tech, 2016, 18, 67-74.	1.8	5
52	Genotyping by RAD Sequencing Analysis Assessed the Genetic Distinctiveness of Experimental Lines and Narrowed down the Genomic Region Responsible for Leaf Shape in Endive (Cichorium endivia L.). Genes, 2020, 11, 462.	2.4	5
53	Pangenomics of the Symbiotic Rhizobiales. Core and Accessory Functions Across a Group Endowed with High Levels of Genomic Plasticity. Microorganisms, 2021, 9, 407.	3.6	5
54	Endophytic Microbiome Responses to Sulfur Availability in BetaÂvulgaris (L.). International Journal of Molecular Sciences, 2021, 22, 7184.	4.1	5

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55	Registration of FC1740 and FC1741 Multigerm, Rhizomaniaâ€Resistant Sugar Beet Germplasm with Resistance to Multiple Diseases. Journal of Plant Registrations, 2018, 12, 257-263.	0.5	4
56	Mass spectrometry-based metabolomic discrimination of Cercospora leaf spot resistant and susceptible sugar beet germplasms. Euphytica, 2019, 215, 1.	1.2	4
57	Genomic analysis of ionome-related QTLs in Arabidopsis thaliana. Scientific Reports, 2021, 11, 19194.	3.3	4
58	Legumes of the Sardinia Island: Knowledge on Symbiotic and Endophytic Bacteria and Interactive Software Tool for Plant Species Determination. Plants, 2022, 11, 1521.	3.5	4
59	Response of Bacterial Communities upon Application of Different Innovative Organic Fertilizers in a Greenhouse Experiment Using Low-Nutrient Soil Cultivated with Cynodon dactylon. Soil Systems, 2018, 2, 52.	2.6	3
60	Identification of Owen-Type Male Sterility Maintainers Carrying Resistance Against Rhizoctonia Crown and Root Rot (Rcrr) Disease in Sugar Beet Germplasm. Sugar Tech, 2019, 21, 959-965.	1.8	3
61	Combining abilities of sugar beet genotypes for rootâ€•and sugarâ€•related traits under multiâ€environment trials. Plant Breeding, 2020, 139, 192-206.	1.9	3
62	Fertimetro, a Principle and Device to Measure Soil Nutrient Availability for Plants by Microbial Degradation Rates on Differently-Spiked Buried Threads. Soil Systems, 2019, 3, 3.	2.6	2
63	Registration of FC305 Multigerm Sugarbeet Germplasm Selected from a Cross to a Crop Wild Relative. Journal of Plant Registrations, 2015, 9, 115-120.	0.5	2
64	The hidden layers of microbial community structure: extracting the concealed diversity dimensions from our sequencing data. FEMS Microbiology Letters, 2020, 367, .	1.8	1