Michela Janni

List of Publications by Year
in descending order

25 papers	992 citations	623734 14 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1361 citing authors

#	ARTICLE	IF	CITATIONS
1	A European perspective on opportunities and demands for field-based crop phenotyping. Field Crops Research, 2022, 276, 108371.	5.1	17
2	The Use of Near-Infrared Imaging (NIR) as a Fast Non-Destructive Screening Tool to Identify Drought-Tolerant Wheat Genotypes. Agriculture (Switzerland), 2022, 12, 537.	3.1	5
3	Combining Precision Viticulture Technologies and Economic Indices to Sustainable Water Use Management. Water (Switzerland), 2022, 14, 1493.	2.7	6
4	A Biomimetic, Biocompatible OECT Sensor for the Realâ€Time Measurement of Concentration and Saturation of Ions in Plant Sap. Advanced Electronic Materials, 2022, 8, .	5.1	14
5	Towards In Vivo Monitoring of Ions Accumulation in Trees: Response of an in Planta Organic Electrochemical Transistor Based Sensor to Water Flux Density, Light and Vapor Pressure Deficit Variation. Applied Sciences (Switzerland), 2021, 11, 4729.	2.5	8
6	Shaping Durum Wheat for the Future: Gene Expression Analyses and Metabolites Profiling Support the Contribution of BCAT Genes to Drought Stress Response. Frontiers in Plant Science, 2020, 11, 891.	3.6	14
7	Molecular and genetic bases of heat stress responses in crop plants and breeding for increased resilience and productivity. Journal of Experimental Botany, 2020, 71, 3780-3802.	4.8	186
8	Contribution of Genetic Resources to Grain Storage Protein Composition and Wheat Quality. , 2020, , 39-72.		3
9	Development of an In Vivo Sensor to Monitor the Effects of Vapour Pressure Deficit (VPD) Changes to Improve Water Productivity in Agriculture. Sensors, 2019, 19, 4667.	3.8	33
10	Introducing State Variables in Organic Electrochemical Transistors With Application to Biophysical Systems. IEEE Sensors Journal, 2019, 19, 11753-11758.	4.7	4
11	Can High Throughput Phenotyping Help Food Security in the Mediterranean Area?. Frontiers in Plant Science, 2019, 10, 15.	3.6	30
12	<i>In Vivo</i> Phenotyping for the Early Detection of Drought Stress in Tomato. Plant Phenomics, 2019, 2019, 6168209.	5.9	60
13	First production of wild hemmer (Triticum turgidum ssp. dicoccoides) transgenic plants. Plant Cell, Tissue and Organ Culture, 2018, 132, 461-467.	2.3	2
14	Gene-ecology of durum wheat HMW glutenin reflects their diffusion from the center of origin. Scientific Reports, 2018, 8, 16929.	3.3	11
15	Heat in Wheat: Exploit Reverse Genetic Techniques to Discover New Alleles Within the Triticum durum sHsp26 Family. Frontiers in Plant Science, 2018, 9, 1337.	3.6	38
16	An in vivo biosensing, biomimetic electrochemical transistor with applications in plant science and precision farming. Scientific Reports, 2017, 7, 16195.	3.3	67
17	Survey and new insights in the application of <scp>PCR</scp>â€based molecular markers for identification of <scp>HMW</scp>â€‹<scp>GS</scp> at the <i>Gluâ€B1</i> locus in durum and bread wheat. Plant Breeding, 2017, 136, 467-473.	1.9	12
18	The down-regulation of the genes encoding Isoamylase 1 alters the starch composition of the durum wheat grain. Plant Science, 2016, 252, 230-238.	3.6	14

#	Article	IF	Citations
19	Single seed descent: a tool to exploit durum wheat (Triticum durum Desf.) genetic resources. Genetic Resources and Crop Evolution, 2015, 62, 1029-1035.	1.6	19
20	Amylose content is not affected by overexpression of the <i>Wxâ€B1</i> gene in durum wheat. Plant Breeding, 2012, 131, 700-706.	1.9	33
21	The Ectopic Expression of a Pectin Methyl Esterase Inhibitor Increases Pectin Methyl Esterification and Limits Fungal Diseases in Wheat. Molecular Plant-Microbe Interactions, 2011, 24, 1012-1019.	2.6	139
22	Increasing the amylose content of durum wheat through silencing of the SBEIIagenes. BMC Plant Biology, 2010, 10, 144.	3.6	151
23	A LTR copia retrotransposon and Mutator transposons interrupt Pgip genes in cultivated and wild wheats. Theoretical and Applied Genetics, 2008, 116, 859-867.	3.6	12
24	The Expression of a Bean PGIP in Transgenic Wheat Confers Increased Resistance to the Fungal Pathogen <i>Bipolaris sorokiniana</i>. Molecular Plant-Microbe Interactions, 2008, 21, 171-177.	2.6	81
25	Characterization of expressed Pgip genes in rice and wheat reveals similar extent of sequence variation to dicot PGIPs and identifies an active PGIP lacking an entire LRR repeat. Theoretical and Applied Genetics, 2006, 113, 1233-1245.	3.6	33