

Riccardo Aversano

List of Publications by Year in descending order

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59
papers

1,748
citations

257450

24
h-index

302126

39
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59
all docs

59
docs citations

59
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of DNA methylation affects the recombination landscape in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5880-5885.	7.1	186
2	The <i>Solanum commersonii</i> Genome Sequence Provides Insights into Adaptation to Stress Conditions and Genome Evolution of Wild Potato Relatives. Plant Cell, 2015, 27, 954-968.	6.6	149
3	Transcriptome reprogramming, epigenetic modifications and alternative splicing orchestrate the tomato root response to the beneficial fungus <i>Trichoderma harzianum</i> . Horticulture Research, 2019, 6, 5.	6.3	113
4	The antioxidant properties of plant flavonoids: their exploitation by molecular plant breeding. Phytochemistry Reviews, 2018, 17, 611-625.	6.5	91
5	High <i>AN1</i> variability and interaction with basic helix-loop-helix cofactors related to anthocyanin biosynthesis in potato leaves. Plant Journal, 2014, 80, 527-540.	5.7	68
6	Whole-genome re-sequencing of two Italian tomato landraces reveals sequence variations in genes associated with stress tolerance, fruit quality and long shelf-life traits. DNA Research, 2018, 25, 149-160.	3.4	68
7	Transcriptome and metabolome of synthetic <i>Solanum</i> autotetraploids reveal key genomic stress events following polyploidization. New Phytologist, 2016, 210, 1382-1394.	7.3	67
8	Wine varietal authentication based on phenolics, volatiles and DNA markers: State of the art, perspectives and drawbacks. Food Control, 2017, 80, 1-10.	5.5	64
9	Stochastic changes affect <i>Solanum</i> wild species following autopolyploidization. Journal of Experimental Botany, 2013, 64, 625-635.	4.8	49
10	Secondary Metabolite Profile in Induced Tetraploids of Wild <i>Solanum commersonii</i> <i>Dun</i> . Chemistry and Biodiversity, 2011, 8, 2226-2237.	2.1	47
11	Subfunctionalization of duplicate MYB genes in <i>Solanum commersonii</i> generated the cold-induced <i>ScAN2</i> and the anthocyanin regulator <i>ScAN1</i> . Plant, Cell and Environment, 2018, 41, 1038-1051.	5.7	45
12	Anticancer activities of anthocyanin extract from genotyped <i>Solanum tuberosum</i> L. "Vitelotte". Journal of Functional Foods, 2015, 19, 584-593.	3.4	43
13	Comparative metabolite and genome analysis of tuber-bearing potato species. Phytochemistry, 2017, 137, 42-51.	2.9	41
14	Molecular Tools for Exploring Polyploid Genomes in Plants. International Journal of Molecular Sciences, 2012, 13, 10316-10335.	4.1	40
15	Biochemical features of native red wines and genetic diversity of the corresponding grape varieties from Campania region. Food Chemistry, 2014, 143, 506-513.	8.2	38
16	Resistance to <i>Ralstonia solanacearum</i> of Sexual Hybrids Between <i>Solanum commersonii</i> and <i>S. tuberosum</i> . American Journal of Potato Research, 2009, 86, 196-202.	0.9	34
17	Genetic diversity among potato species as revealed by phenotypic resistances and SSR markers. Plant Genetic Resources: Characterisation and Utilisation, 2013, 11, 131-139.	0.8	30
18	Genome-wide identification and analysis of candidate genes for disease resistance in tomato. Molecular Breeding, 2014, 33, 227-233.	2.1	30

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19	Comparative Phytochemical Characterization, Genetic Profile, and Antiproliferative Activity of Polyphenol-Rich Extracts from Pigmented Tubers of Different <i>Solanum tuberosum</i> Varieties. <i>Molecules</i> , 2020, 25, 233.	3.8	29
20	WRKY genes family study reveals tissue-specific and stress-responsive TFs in wild potato species. <i>Scientific Reports</i> , 2020, 10, 7196.	3.3	27
21	Genetic stability at nuclear and plastid DNA level in regenerated plants of <i>Solanum</i> species and hybrids. <i>Euphytica</i> , 2009, 165, 353-361.	1.2	26
22	Microstructure and tuber properties of potato varieties with different genetic profiles. <i>Food Chemistry</i> , 2018, 239, 789-796.	8.2	26
23	Use of SSR and Retrotransposon-Based Markers to Interpret the Population Structure of Native Grapevines from Southern Italy. <i>Molecular Biotechnology</i> , 2014, 56, 1011-1020.	2.4	25
24	Anti-cancer activity of grape seed semi-polar extracts in human mesothelioma cell lines. <i>Journal of Functional Foods</i> , 2019, 61, 103515.	3.4	25
25	LTR-TEs abundance, timing and mobility in <i>Solanum commersonii</i> and <i>S. tuberosum</i> genomes following cold-stress conditions. <i>Planta</i> , 2019, 250, 1781-1787.	3.2	25
26	Impact of Ploidy Change on Secondary Metabolites and Photochemical Efficiency in <i>Solanum Bulbocastanum</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.5	24
27	Dicer-like and RNA-dependent RNA polymerase gene family identification and annotation in the cultivated <i>Solanum tuberosum</i> and its wild relative <i>S. commersonii</i> . <i>Planta</i> , 2018, 248, 729-743.	3.2	24
28	Biological and geochemical markers of the geographical origin and genetic identity of potatoes. <i>Journal of Geochemical Exploration</i> , 2012, 121, 62-68.	3.2	21
29	Interspecific somatic hybrids between <i>Solanum bulbocastanum</i> and <i>S. tuberosum</i> and their haploidization for potato breeding. <i>Biologia Plantarum</i> , 2012, 56, 1-8.	1.9	21
30	Genotype-specific changes associated to early synthesis of autotetraploids in wild potato species. <i>Euphytica</i> , 2015, 202, 307-316.	1.2	21
31	High-throughput genotyping in onion reveals structure of genetic diversity and informative SNPs useful for molecular breeding. <i>Molecular Breeding</i> , 2019, 39, 1.	2.1	20
32	Metabolic and RNA profiling elucidates proanthocyanidins accumulation in Aglianico grape. <i>Food Chemistry</i> , 2017, 233, 52-59.	8.2	19
33	Phenotypic and molecular diversity in a collection of "Pomodoro di Sorrento"™ Italian tomato landrace. <i>Scientia Horticulturae</i> , 2016, 203, 143-151.	3.6	16
34	DNA-Based Technologies for Grapevine Biodiversity Exploitation: State of the Art and Future Perspectives. <i>Agronomy</i> , 2022, 12, 491.	3.0	14
35	Inferring RPW8-NLRs™s evolution patterns in seed plants: case study in <i>Vitis vinifera</i> . <i>Planta</i> , 2020, 251, 32.	3.2	13
36	Genetic and epigenetic dynamics affecting anthocyanin biosynthesis in potato cell culture. <i>Plant Science</i> , 2020, 298, 110597.	3.6	13

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37	Resistance to Frost and Tuber Soft Rot in Near-Pentaploid <i>Solanum tuberosum</i> - <i>S. commersonii</i> Hybrids. <i>Breeding Science</i> , 2007, 57, 145-151.	1.9	12
38	AFLP analysis to assess genomic stability in <i>Solanum</i> regenerants derived from wild and cultivated species. <i>Plant Biotechnology Reports</i> , 2011, 5, 265-271.	1.5	12
39	Dating the beginning of the Roman viticultural model in the Western Mediterranean: The case study of Chianti (Central Italy). <i>PLoS ONE</i> , 2017, 12, e0186298.	2.5	12
40	Discrimination of Potato (<i>Solanum tuberosum</i> L.) Accessions Collected in Majella National Park (Abruzzo, Italy) Using Mid-Infrared Spectroscopy and Chemometrics Combined with Morphological and Molecular Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1630.	2.5	12
41	Multi-omics data integration provides insights into the post-harvest biology of a long shelf-life tomato landrace. <i>Horticulture Research</i> , 2022, 9, .	6.3	12
42	A DArT marker-based linkage map for wild potato <i>Solanum bulbocastanum</i> facilitates structural comparisons between <i>Solanum</i> A and B genomes. <i>BMC Genetics</i> , 2014, 15, 123.	2.7	11
43	Coexpression gene network analysis of cold-tolerant <i>Solanum commersonii</i> reveals new insights in response to low temperatures. <i>Crop Science</i> , 2021, 61, 3538-3550.	1.8	11
44	Genetic and geochemical signatures to prevent frauds and counterfeit of high-quality asparagus and pistachio. <i>Food Chemistry</i> , 2017, 237, 545-552.	8.2	10
45	Resistance traits and AFLP characterization of diploid primitive tuber-bearing potatoes. <i>Genetic Resources and Crop Evolution</i> , 2007, 54, 1797-1806.	1.6	9
46	Transcriptional, metabolic and DNA methylation changes underpinning the response of <i>Arundo donax</i> ecotypes to NaCl excess. <i>Planta</i> , 2020, 251, 34.	3.2	8
47	Combined Use of Molecular Markers and High-Resolution Melting (HRM) to Assess Chromosome Dosage in Potato Hybrids. <i>Journal of Heredity</i> , 2016, 107, 187-192.	2.4	7
48	Genome-Wide HMG Family Investigation and Its Role in Glycoalkaloid Accumulation in Wild Tuber-Bearing <i>Solanum commersonii</i> . <i>Life</i> , 2020, 10, 37.	2.4	7
49	Sexual Polyploidization in <i>Medicago sativa</i> L.: Impact on the Phenotype, Gene Transcription, and Genome Methylation. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 925-938.	1.8	6
50	Analysis of Cytosine Methylation in Genomic DNA of <i>Solanum</i> \times <i>microacanum</i> (+) <i>S. tuberosum</i> Somatic Hybrids. <i>Agronomy</i> , 2021, 11, 845.	3.0	6
51	Potential for Lager Beer Production from <i>Saccharomyces cerevisiae</i> Strains Isolated from the Vineyard Environment. <i>Processes</i> , 2021, 9, 1628.	2.8	6
52	Glycoalkaloid Profile in Potato Haploids Derived from <i>Solanum tuberosum</i> \times <i>S. bulbocastanum</i> Somatic Hybrids. <i>Chemistry and Biodiversity</i> , 2010, 7, 1885-1892.	2.1	3
53	Variation of DNA methylation and phenotypic traits following unilateral sexual polyploidization in <i>Medicago</i> . <i>Euphytica</i> , 2012, 186, 731-739.	1.2	3
54	SSR markers distinguish traditional Italian bean (<i>Phaseolus vulgaris</i> L.) landraces from Lamon. <i>Czech Journal of Genetics and Plant Breeding</i> , 2017, 53, 168-171.	0.8	3

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55	Fertilization fitness and offspring ploidy in 3x \times 2x matings in potato. <i>Plant Biosystems</i> , 2012, 146, 317-321.	1.6	2
56	Genomic Designing for Biotic Stress Resistance in Potato. , 2022, , 37-63.		2
57	The Wild Side of Potato: Insights into the Genome Sequence of the Stress-Tolerant <i>S. commersonii</i> . <i>Compendium of Plant Genomes</i> , 2017, , 109-122.	0.5	1
58	Whole-Genome Doubling Affects Pre-miRNA Expression in Plants. <i>Plants</i> , 2021, 10, 1004.	3.5	1
59	The <i>Solanum Commersonii</i> Genome Sequence. <i>Compendium of Plant Genomes</i> , 2021, , 167-180.	0.5	0