Flavia Guzzo

List of Publications by Year
in descending order

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59 papers	2,534 citations	218592 26 h-index	206029 48 g-index
59 all docs	59 docs citations	59 times ranked	3492 citing authors

#	Article	IF	Citations
1	The Phenylpropanoid Pathway Is Controlled at Different Branches by a Set of R2R3-MYB C2 Repressors in Grapevine. Plant Physiology, 2015, 167, 1448-1470.	2.3	272
2	The plasticity of the grapevine berry transcriptome. Genome Biology, 2013, 14, r54.	3.8	168
3	Identification of Putative Stage-Specific Grapevine Berry Biomarkers and Omics Data Integration into Networks Â Â Â. Plant Physiology, 2010, 154, 1439-1459.	2.3	145
4	Expression Pattern of the Carrot EP3Endochitinase Genes in Suspension Cultures and in Developing Seeds1. Plant Physiology, 1998, 117, 43-53.	2.3	113
5	Towards a scientific interpretation of the terroir concept: plasticity of the grape berry metabolome. BMC Plant Biology, 2015, 15, 191.	1.6	106
6	Phenol content related to antioxidant and antimicrobial activities of Passiflora spp. extracts. European Food Research and Technology, 2006, 223, 102-109.	1.6	90
7	Contrasting cadmium resistance strategies in two metallicolous populations of Arabidopsis halleri. New Phytologist, 2018, 218, 283-297.	3.5	88
8	Functional Diversification of Grapevine MYB5a and MYB5b in the Control of Flavonoid Biosynthesis in a Petunia Anthocyanin Regulatory Mutant. Plant and Cell Physiology, 2014, 55, 517-534.	1.5	83
9	Apple fruit superficial scald resistance mediated by ethylene inhibition is associated with diverse metabolic processes. Plant Journal, 2018, 93, 270-285.	2.8	76
10	Disclosing the Molecular Basis of the Postharvest Life of Berry in Different Grapevine Genotypes. Plant Physiology, 2016, 172, 1821-1843.	2.3	75
11	Novel aspects of grape berry ripening and post-harvest withering revealed by untargeted LC-ESI-MS metabolomics analysis. Metabolomics, 2011, 7, 424-436.	1.4	74
12	Roostocks/Scion/Nitrogen Interactions Affect Secondary Metabolism in the Grape Berry. Frontiers in Plant Science, 2016, 7, 1134.	1.7	74
13	UNTARGETED METABOLOMICS: AN EMERGING APPROACH TO DETERMINE THE COMPOSITION OF HERBAL PRODUCTS. Computational and Structural Biotechnology Journal, 2013, 4, e201301007.	1.9	72
14	A SHATTERPROOF-like gene controls ripening in non-climacteric strawberries, and auxin and abscisic acid antagonistically affect its expression. Journal of Experimental Botany, 2013, 64, 3775-3786.	2.4	72
15	Plasticity of the Berry Ripening Program in a White Grape Variety. Frontiers in Plant Science, 2016, 7, 970.	1.7	68
16	Nutritional quality of seeds and leaf metabolites of Chia (Salvia hispanica L.) from Southern Italy. European Food Research and Technology, 2015, 241, 615-625.	1.6	67
17	Studies on the origin of totipotent cells in explants ofDaucus carotaL.. Journal of Experimental Botany, 1994, 45, 1427-1432.	2.4	56
18	Advances in combined enzymatic extraction of ferulic acid from wheat bran. New Biotechnology, 2020, 56, 38-45.	2.4	54

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19	Impact of Phenylpropanoid Compounds on Heat Stress Tolerance in Carrot Cell Cultures. Frontiers in Plant Science, 2016, 7, 1439.	1.7	50
20	Molecular Analyses of MADS-Box Genes Trace Back to Gymnosperms the Invention of Fleshy Fruits. Molecular Biology and Evolution, 2012, 29, 409-419.	3.5	48
21	Multi-approach metabolomics analysis and artificial simplified phytocomplexes reveal cultivar-dependent synergy between polyphenols and ascorbic acid in fruits of the sweet cherry (Prunus avium L.). PLoS ONE, 2017, 12, e0180889.	1.1	47
22	KDC1, a Novel Carrot Root Hair K+Channel. Journal of Biological Chemistry, 2000, 275, 39420-39426.	1.6	41
23	Revealing impaired pathways in the an11 mutant by highâ€throughput characterization of Petunia axillaris and Petunia inflata transcriptomes. Plant Journal, 2011, 68, 11-27.	2.8	35
24	The Arabidopsis thaliana Knockout Mutant for Phytochelatin Synthase1 (cad1-3) Is Defective in Callose Deposition, Bacterial Pathogen Defense and Auxin Content, But Shows an Increased Stem Lignification. Frontiers in Plant Science, 2018, 9, 19.	1.7	35
25	The Induction of Noble Rot (Botrytis cinerea) Infection during Postharvest Withering Changes the Metabolome of Grapevine Berries (Vitis vinifera L., cv. Garganega). Frontiers in Plant Science, 2017, 8, 1002.	1.7	34
26	Correlated accumulation of anthocyanins and rosmarinic acid in mechanically stressed red cell suspensions of basil (Ocimum basilicum). Journal of Plant Physiology, 2011, 168, 288-293.	1.6	32
27	The case of tryptamine and serotonin in plants: a mysterious precursor for an illustrious metabolite. Journal of Experimental Botany, 2021, 72, 5336-5355.	2.4	30
28	Early cellular events during induction of carrot explants with 2,4-D. Protoplasma, 1995, 185, 28-36.	1.0	25
29	Untargeted and Targeted Metabolomics and Tryptophan Decarboxylase In Vivo Characterization Provide Novel Insight on the Development of Kiwifruits (Actinidia deliciosa). International Journal of Molecular Sciences, 2019, 20, 897.	1.8	25
30	Metabolomics of Daucus carota cultured cell lines under stressing conditions reveals interactions between phenolic compounds. Plant Science, 2009, 176, 553-565.	1.7	24
31	Loss of the Atypical Kinases ABC1K7 and ABC1K8 Changes the Lipid Composition of the Chloroplast Membrane. Plant and Cell Physiology, 2015, 56, 1193-1204.	1.5	23
32	The secretory nature of the lesion of carrot cell variant ts11, rescuable by endochitinase. Planta, 1997, 203, 381-389.	1.6	21
33	Image analysis and in vivo imaging as tools for investigation of productivity dynamics in anthocyaninâ€producing cell cultures of Daucus carota. New Phytologist, 2005, 166, 339-352.	3.5	21
34	Rapid dehydration of grape berries dampens the post-ripening transcriptomic program and the metabolite profile evolution. Horticulture Research, 2020, 7, 141.	2.9	21
35	Performance comparison of electrospray ionization and atmospheric pressure chemical ionization in untargeted and targeted liquid chromatography/mass spectrometry based metabolomics analysis of grapeberry metabolites. Rapid Communications in Mass Spectrometry, 2017, 31, 292-300.	0.7	20
36	Cocoa Flavonoids Reduce Inflammation and Oxidative Stress in a Myocardial Ischemia-Reperfusion Experimental Model. Antioxidants, 2020, 9, 167.	2.2	20

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37	Gymnosperm B-sister genes may be involved in ovule/seed development and, in some species, in the growth of fleshy fruit-like structures. Annals of Botany, 2013, 112, 535-544.	1.4	19
38	In vitro culture from mature seeds of Passiflora species. Scientia Agricola, 2004, 61, 108-113.	0.6	17
39	Metabolomic analysis reveals that the accumulation of specific secondary metabolites in Echinacea angustifolia cells cultured in vitro can be controlled by light. Plant Cell Reports, 2012, 31, 361-367.	2.8	17
40	Neurotoxicity and synaptic plasticity impairment of N-acetylglucosamine polymers: implications for Alzheimer's disease. Neurobiology of Aging, 2015, 36, 1780-1791.	1.5	17
41	Pre-analytical method for metabolic profiling of plant cell cultures of Passiflora garckei. Biotechnology Letters, 2008, 30, 2031-2036.	1.1	15
42	Characterization of a bZIP gene highly expressed during ripening of the peach fruit. Plant Physiology and Biochemistry, 2013, 70, 462-470.	2.8	15
43	Metabolomic Profiling and Antioxidant Activity of Fruits Representing Diverse Apple and Pear Cultivars. Biology, 2021, 10, 380.	1.3	14
44	Genome-Wide Transcriptional Changes and Lipid Profile Modifications Induced by Medicago truncatula N5 Overexpression at an Early Stage of the Symbiotic Interaction with Sinorhizobium meliloti. Genes, 2017, 8, 396.	1.0	13
45	Reduction of cell size induced by enod40 in Arabidopsis thaliana. Journal of Experimental Botany, 2005, 56, 507-513.	2.4	11
46	Phytochemical analysis of Passiflora loefgrenii Vitta, a rich source of luteolin-derived flavonoids with antioxidant properties. Journal of Pharmacy and Pharmacology, 2015, 67, 1603-1612.	1.2	10
47	Metabolite Profiling Reveals Developmental Inequalities in Pinot Noir Berry Tissues Late in Ripening. Frontiers in Plant Science, 2017, 8, 1108.	1.7	10
48	A stage-specific block is produced in carrot somatic embryos by 1,2-benzisoxazole-3-acetic acid. Plant Science, 1995, 108, 85-92.	1.7	9
49	Carrot-specific features of the phenylpropanoid pathway identified by feeding cultured cells with defined intermediates. Plant Science, 2013, 209, 81-92.	1.7	9
50	The Terroir Concept Interpreted through Grape Berry Metabolomics and Transcriptomics. Journal of Visualized Experiments, 2016, , .	0.2	9
51	Nitrate induction and physiological responses of two maize lines differing in nitrogen use efficiency: effects on N availability, microbial diversity and enzyme activity in the rhizosphere. Plant and Soil, 2018, 422, 331-347.	1.8	8
52	Red Carrot Cells Cultured in vitro Are Effective, Stable, and Safe Ingredients for Skin Care, Nutraceutical, and Food Applications. Frontiers in Bioengineering and Biotechnology, 2020, 8, 575079.	2.0	8
53	Gene expression and metabolite changes during Tuber magnatum fruiting body storage. Current Genetics, 2014, 60, 285-294.	0.8	7
54	Ketamine nano-delivery based on poly-lactic-co-glycolic acid (PLGA) nanoparticles. Applied Nanoscience (Switzerland), 2018, 8, 655-663.	1.6	5

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55	Inhibition of Human Monoamine Oxidases A and B by Specialized Metabolites Present in Fresh Common Fruits and Vegetables. Plants, 2022, 11, 346.	1.6	5
56	Undifferentiated In Vitro Cultured Actinidia deliciosa as Cell Factory for the Production of Quercetin Glycosides. Plants, 2021, 10, 2499.	1.6	4
57	In Vitro Cell Culture of Rhus coriaria L.: A Standardized Phytocomplex Rich of Gallic Acid Derivatives with Antioxidant and Skin Repair Activity. Cosmetics, 2022, 9, 12.	1.5	4
58	Nodulating white lupins take advantage of the reciprocal interplay between N and P nutritional responses. Physiologia Plantarum, 2021, , e13607.	2.6	3
59	Title is missing!. Biotechnology Letters, 1998, 20, 117-121.	1.1	0