Rosa Rao

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,207 citations	361413 20 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	1444 citing authors

#	Article	IF	Citations
1	Tomato Prosystemin Is Much More than a Simple Systemin Precursor. Biology, 2022, 11, 124.	2.8	3
2	Combination of the Systemin peptide with the beneficial fungus Trichoderma afroharzianum T22 improves plant defense responses against pests and diseases. Journal of Plant Interactions, 2022, 17, 569-579.	2.1	6
3	Not Only Systemin: Prosystemin Harbors Other Active Regions Able to Protect Tomato Plants. Frontiers in Plant Science, 2022, 13, .	3.6	2
4	Development and Yield Traits Indicate That the Constitutive Wound Response Phenotype of Prosystemin Overexpressing Tomato Plants Entails No Fitness Penalty. Agronomy, 2021, 11, 1148.	3.0	0
5	Diversity and Relationships among Neglected Apricot (Prunus armeniaca L.) Landraces Using Morphological Traits and SSR Markers: Implications for Agro-Biodiversity Conservation. Plants, 2021, 10, 1341.	3.5	12
6	Colonization of Solanum melongena and Vitis vinifera Plants by Botrytis cinerea Is Strongly Reduced by the Exogenous Application of Tomato Systemin. Journal of Fungi (Basel, Switzerland), 2021, 7, 15.	3.5	8
7	The Application of Trichoderma Strains or Metabolites Alters the Olive Leaf Metabolome and the Expression of Defense-Related Genes. Journal of Fungi (Basel, Switzerland), 2020, 6, 369.	3.5	15
8	Transcriptome and Metabolome Reprogramming in Tomato Plants by Trichoderma harzianum strain T22 Primes and Enhances Defense Responses Against Aphids. Frontiers in Physiology, 2019, 10, 745.	2.8	116
9	Tomato Plants Treated with Systemin Peptide Show Enhanced Levels of Direct and Indirect Defense Associated with Increased Expression of Defense-Related Genes. Plants, 2019, 8, 395.	3.5	28
10	Molecular and Phenotypic Diversity of Traditional European Plum (Prunus domestica L.) Germplasm of Southern Italy. Sustainability, 2019, 11, 4112.	3.2	24
11	Prosystemin, a prohormone that modulates plant defense barriers, is an intrinsically disordered protein. Protein Science, 2018, 27, 620-632.	7.6	16
12	Identification of zucchini varieties in commercial food products by DNA typing. Food Control, 2018, 84, 197-204.	5.5	18
13	De Novo Transcriptome Assembly of Cucurbita Pepo L. Leaf Tissue Infested by Aphis Gossypii. Data, 2018, 3, 36.	2.3	8
14	TPS Genes Silencing Alters Constitutive Indirect and Direct Defense in Tomato. International Journal of Molecular Sciences, 2018, 19, 2748.	4.1	5
15	Plant-to-plant communication triggered by systemin primes anti-herbivore resistance in tomato. Scientific Reports, 2017, 7, 15522.	3.3	50
16	Towards the Genomic Basis of Local Adaptation in Landraces. Diversity, 2017, 9, 51.	1.7	25
17	The transcriptional response to the olive fruit fly (Bactrocera oleae) reveals extended differences between tolerant and susceptible olive (Olea europaea L.) varieties. PLoS ONE, 2017, 12, e0183050.	2.5	32
18	The expression of the tomato prosystemin in tobacco induces alterations irrespective of its functional domain. Plant Cell, Tissue and Organ Culture, 2016, 125, 509-519.	2.3	11

#	Article	IF	Citations
19	Prosystemin Overexpression in Tomato Enhances Resistance to Different Biotic Stresses by Activating Genes of Multiple Signaling Pathways. Plant Molecular Biology Reporter, 2015, 33, 1270-1285.	1.8	56
20	SSR fingerprint reveals mislabeling in commercial processed tomato products. Food Control, 2015, 51, 397-401.	5.5	20
21	DNA Markers for Food Products Authentication. Diversity, 2014, 6, 579-596.	1.7	69
22	Genetic diversity in Italian tomato landraces: Implications for the development of a core collection. Scientia Horticulturae, 2014, 168, 138-144.	3.6	47
23	Functional analysis of an immune gene of Spodoptera littoralis by RNAi. Journal of Insect Physiology, 2014, 64, 90-97.	2.0	40
24	Morphological and genetic diversity among and within common bean (Phaseolus vulgaris L.) landraces from the Campania region (Southern Italy). Scientia Horticulturae, 2014, 180, 72-78.	3.6	37
25	SNP genotyping reveals genetic diversity between cultivated landraces and contemporary varieties of tomato. BMC Genomics, 2013, 14, 835.	2.8	49
26	Molecular interactions between the olive and the fruit fly Bactrocera oleae. BMC Plant Biology, 2012, 12, 86.	3.6	65
27	Systemin-inducible defence against pests is costly in tomato. Biologia Plantarum, 2011, 55, 305-311.	1.9	13
28	Molecular and chemical mechanisms involved in aphid resistance in cultivated tomato. New Phytologist, 2010, 187, 1089-1101.	7.3	33
29	Systemin-dependent salinity tolerance in tomato: evidence of specific convergence of abiotic and biotic stress responses. Physiologia Plantarum, 2010, 138, 10-21.	5.2	70
30	Relationships of Campanian olive cultivars: comparative analysis of molecular and phenotypic data. Genome, 2009, 52, 692-700.	2.0	41
31	Molecular diversity and genetic relationships of southern Italian olive cultivars as depicted by AFLP and morphological traits. Journal of Horticultural Science and Biotechnology, 2009, 84, 261-266.	1.9	31
32	Systemin Regulates Both Systemic and Volatile Signaling in Tomato Plants. Journal of Chemical Ecology, 2007, 33, 669-681.	1.8	76
33	Inducible Expression of a Phytolacca heterotepala Ribosome-Inactivating Protein Leads to Enhanced Resistance Against Major Fungal Pathogens in Tobacco. Phytopathology, 2005, 95, 206-215.	2.2	52
34	DNA Fingerprinting and Quality Traits of Corbarino Cherry-like Tomato Landraces. Journal of Agricultural and Food Chemistry, 2004, 52, 3366-3371.	5.2	39
35	Plant-to-plant communication mediating in-flight orientation of Aphidius ervi. Journal of Chemical Ecology, 2002, 28, 1703-1715.	1.8	88
36	Genotypic diversity and population structure of the apricot landraces of the Campania region (Southern Italy) based on fluorescent SSRs. Genetic Resources and Crop Evolution, 0, , .	1.6	0