

Antonio Lupini

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,232
citations

279798

23
h-index

434195

31
g-index

50
all docs

50
docs citations

50
times ranked

1655
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrate uptake along the maize primary root: an integrated physiological and molecular approach. <i>Plant, Cell and Environment</i> , 2011, 34, 1127-1140.	5.7	73
2	Phenotyping two tomato genotypes with different nitrogen use efficiency. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 21-32.	5.8	67
3	SNP genotyping elucidates the genetic diversity of Magna Graecia grapevine germplasm and its historical origin and dissemination. <i>BMC Plant Biology</i> , 2019, 19, 7.	3.6	51
4	Allelochemical effects on net nitrate uptake and plasma membrane H ⁺ -ATPase activity in maize seedlings. <i>Biologia Plantarum</i> , 2010, 54, 149-153.	1.9	50
5	Boron Toxicity and Tolerance in Plants. , 2016, , 115-147.		44
6	Coumarin interacts with auxin polar transport to modify root system architecture in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2014, 74, 23-31.	3.4	41
7	Allelopathic Potential of <i>Dittrichia viscosa</i> (L.) W. Greuter Mediated by VOCs: A Physiological and Metabolomic Approach. <i>PLoS ONE</i> , 2017, 12, e0170161.	2.5	40
8	Rosmarinic acid induces programmed cell death in <i>Arabidopsis</i> seedlings through reactive oxygen species and mitochondrial dysfunction. <i>PLoS ONE</i> , 2018, 13, e0208802.	2.5	38
9	NAR2.1/NRT2.1 functional interaction with NO ₃ ⁻ and H ⁺ fluxes in high-affinity nitrate transport in maize root regions. <i>Plant Physiology and Biochemistry</i> , 2016, 102, 107-114.	5.8	37
10	Phytotoxic Potential and Biological Activity of Three Synthetic Coumarin Derivatives as New Natural-Like Herbicides. <i>Molecules</i> , 2015, 20, 17883-17902.	3.8	35
11	High-throughput 18K SNP array to assess genetic variability of the main grapevine cultivars from Sicily. <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	1.6	35
12	Morpho-physiological responses of sugar beet (<i>Beta vulgaris</i> L.) genotypes to drought stress. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 853-865.	2.1	34
13	Genetic variation of an Italian long shelf-life tomato (<i>Solanum lycopersicon</i> L.) collection by using SSR and morphological fruit traits. <i>Genetic Resources and Crop Evolution</i> , 2015, 62, 721-732.	1.6	34
14	High-Throughput Genotype, Morphology, and Quality Traits Evaluation for the Assessment of Genetic Diversity of Wheat Landraces from Sicily. <i>Plants</i> , 2019, 8, 116.	3.5	32
15	<i>Origanum vulgare</i> essential oils inhibit glutamate and aspartate metabolism altering the photorespiratory pathway in <i>Arabidopsis thaliana</i> seedlings. <i>Journal of Plant Physiology</i> , 2018, 231, 297-309.	3.5	31
16	Salinity in Autumn-Winter Season and Fruit Quality of Tomato Landraces. <i>Frontiers in Plant Science</i> , 2019, 10, 1078.	3.6	29
17	Analysis of genetic diversity and population structure in Saharan maize (<i>Zea mays</i> L.) populations using phenotypic traits and SSR markers. <i>Genetic Resources and Crop Evolution</i> , 2019, 66, 243-257.	1.6	29
18	Phytotoxic activity of <i>Cachrys pungens</i> Jan, a mediterranean species: separation, identification and quantification of potential allelochemicals. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1071-1083.	2.1	28

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19	Genetic variation and structure of maize populations from Saoura and Gourara oasis in Algerian Sahara. <i>BMC Genetics</i> , 2018, 19, 51.	2.7	28
20	Genetic variation in eggplant for Nitrogen Use Efficiency under contrasting NO ₃ ⁻ supply. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 487-508.	8.5	28
21	Genetic diversity and population structure of a common bean (<i>Phaseolus vulgaris</i> L.) collection from Calabria (Italy). <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 839-852.	1.6	27
22	<i>Calamintha nepeta</i> L. (Savi) as source of phytotoxic compounds: bio-guided fractionation in identifying biological active molecules. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1979-1988.	2.1	27
23	Allelopathic potential of <i>Artemisia arborescens</i> : Isolation, identification and quantification of phytotoxic compounds through fractionation-guided bioassays. <i>Natural Product Research</i> , 2013, 27, 880-887.	1.8	27
24	Morphological and physiological effects of trans-cinnamic acid and its hydroxylated derivatives on maize root types. <i>Plant Growth Regulation</i> , 2016, 78, 263-273.	3.4	27
25	The allelochemical trans-cinnamic acid stimulates salicylic acid production and galactose pathway in maize leaves: A potential mechanism of stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2018, 128, 32-40.	5.8	26
26	Rhizosphere as Hotspot for Plant-Soil-Microbe Interaction. , 2020, , 17-43.		26
27	Short-term effects of coumarin along the maize primary root axis. <i>Plant Signaling and Behavior</i> , 2010, 5, 1395-1400.	2.4	25
28	Physiological and molecular responses in tomato under different forms of N nutrition. <i>Journal of Plant Physiology</i> , 2017, 216, 17-25.	3.5	23
29	Highlighting the effects of coumarin on adult plants of <i>Arabidopsis thaliana</i> (L.) Heynh. by an integrated -omic approach. <i>Journal of Plant Physiology</i> , 2017, 213, 30-41.	3.5	22
30	Phytotoxic activity of foliar volatiles and essential oils of <i>Calamintha nepeta</i> (L.) Savi. <i>Natural Product Research</i> , 2013, 27, 1651-1656.	1.8	20
31	Single nucleotide polymorphism profiles reveal an admixture genetic structure of grapevine germplasm from Calabria, Italy, uncovering its key role for the diversification of cultivars in the Mediterranean Basin. <i>Australian Journal of Grape and Wine Research</i> , 2018, 24, 345-359.	2.1	19
32	Coumarin enhances nitrate uptake in maize roots through modulation of plasma membrane H ⁺ -ATPase activity. <i>Plant Biology</i> , 2018, 20, 390-398.	3.8	19
33	Nitrogen Use Efficiency in Durum Wheat Under Different Nitrogen and Water Regimes in the Mediterranean Basin. <i>Frontiers in Plant Science</i> , 2020, 11, 607226.	3.6	18
34	Transcriptomics reveal new insights into molecular regulation of nitrogen use efficiency in <i>Solanum melongena</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 4237-4253.	4.8	17
35	Root Architecture Plasticity of Citrus Rootstocks in Response to Nitrate Availability. <i>Journal of Plant Nutrition</i> , 2007, 30, 1921-1932.	1.9	14
36	Characterization of Sicilian rosemary (<i>Rosmarinus officinalis</i> L.) germplasm through a multidisciplinary approach. <i>Planta</i> , 2020, 251, 37.	3.2	14

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37	Quality of shredded carrots minimally processed by different dipping solutions. <i>Journal of Food Science and Technology</i> , 2019, 56, 2584-2593.	2.8	13
38	Benzofuran-2-acetic esters as a new class of natural-like herbicides. <i>Pest Management Science</i> , 2020, 76, 395-404.	3.4	12
39	Genetic Diversity among <i>Lathyrus</i> ssp. Based on Agronomic Traits and Molecular Markers. <i>Agronomy</i> , 2020, 10, 1182.	3.0	12
40	Long- and short-term effects of boron excess to root form and function in two tomato genotypes. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 9-19.	5.8	10
41	Morpho-agronomic characterization and genetic variability assessment of a guar germplasm collection by a novel SSR panel. <i>Industrial Crops and Products</i> , 2019, 138, 111568.	5.2	10
42	Genetic diversity in old populations of sessile oak from Calabria assessed by nuclear and chloroplast SSR. <i>Journal of Mountain Science</i> , 2019, 16, 1111-1120.	2.0	9
43	Gravitropic response induced by coumarin: Evidences of ROS distribution involvement. <i>Plant Signaling and Behavior</i> , 2013, 8, e23156.	2.4	7
44	New insights into N-utilization efficiency in tomato (<i>Solanum lycopersicum</i> L.) under N limiting condition. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 634-644.	5.8	7
45	Uncovering Pathways Highly Correlated to NUE through a Combined Metabolomics and Transcriptomics Approach in Eggplant. <i>Plants</i> , 2022, 11, 700.	3.5	6
46	Agro-Morphological and Molecular Variability among Algerian Faba Bean (<i>Vicia faba</i> L.) Accessions. <i>Agronomy</i> , 2021, 11, 1456.	3.0	5
47	Root Morphology. , 2018, , 15-28.		3
48	Chemical Characterization of Volatile Organic Compounds (VOCs) Through Headspace Solid Phase Micro Extraction (SPME). , 2018, , 401-417.		1
49	Soil and management factors differentially affect kiwifruit quality : a multivariate approach. <i>Journal of Agricultural Economics</i> , 2019, , 211-230.	0.3	1