

Agostino SorgonÃ

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,190
citations

361413

20
h-index

395702

33
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51
all docs

51
docs citations

51
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Cadmium adsorption on vermiculite, zeolite and pumice: Batch experimental studies. <i>Journal of Environmental Management</i> , 2009, 90, 364-374.	7.8	168
2	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
3	The Inhibitory Effects of Coumarin on the Germination of Durum Wheat (<i>Triticum turgidum</i> ssp.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	67
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	Coumarin Differentially Affects the Morphology of Different Root Types of Maize Seedlings. <i>Journal of Chemical Ecology</i> , 2004, 30, 1871-1883.	1.8	45
6	Coumarin inhibits the growth of carrot (<i>Daucus carota</i> L. cv. Saint Valery) cells in suspension culture. <i>Journal of Plant Physiology</i> , 2003, 160, 227-237.	3.5	42
7	A comparative study between two citrus rootstocks: Effect of nitrate on the root morpho-topology and net nitrate uptake. <i>Plant and Soil</i> , 2005, 270, 257-267.	3.7	42
8	Root Phenotyping For Drought Tolerance in Bean Landraces From Calabria (Italy). <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 1-12.	3.5	41
9	Spatial mapping of phosphorus influx in bean root systems using digital autoradiography. <i>Journal of Experimental Botany</i> , 2004, 55, 2269-2280.	4.8	39
10	On the Evolution and Functional Diversity of Terpene Synthases in the Pinus Species: A Review. <i>Journal of Molecular Evolution</i> , 2020, 88, 253-283.	1.8	38
11	Influence of coumarin on the net nitrate uptake in durum wheat. <i>New Phytologist</i> , 2001, 150, 619-627.	7.3	36
12	A comparison of nitrogen use efficiency definitions in Citrus rootstocks. <i>Scientia Horticulturae</i> , 2006, 109, 389-393.	3.6	36
13	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
14	Cell wall immobilisation and antioxidant status of <i>Xanthoria parietina</i> thalli exposed to cadmium. <i>Functional Plant Biology</i> , 2005, 32, 611.	2.1	33
15	Foliar antioxidant status of adult Mediterranean oak species (<i>Quercus ilex</i> L. and <i>Q. pubescens</i> Willd.) exposed to permanent CO ₂ -enrichment and to seasonal water stress. <i>Environmental Pollution</i> , 2001, 115, 413-423.	7.5	30
16	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
17	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
18	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

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19	Short-term effects of coumarin along the maize primary root axis. <i>Plant Signaling and Behavior</i> , 2010, 5, 1395-1400.	2.4	25
20	Single and combined abiotic stressors affect maize rhizosphere bacterial microbiota. <i>Rhizosphere</i> , 2021, 17, 100318.	3.0	25
21	Adsorption of nutrients and cadmium by different minerals: Experimental studies and modelling. <i>Journal of Environmental Management</i> , 2008, 88, 890-898.	7.8	23
22	Compost from Fresh Orange Waste: A Suitable Substrate for Nursery and Field Crops?. <i>Compost Science and Utilization</i> , 2010, 18, 201-210.	1.2	22
23	Comparing Morphological Plasticity of Root Orders in Slow- and Fast-growing Citrus Rootstocks Supplied with Different Nitrate Levels. <i>Annals of Botany</i> , 2007, 100, 1287-1296.	2.9	20
24	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
25	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
26	Spatial and temporal patterns of net nitrate uptake regulation and kinetics along the tap root of <i>Citrus aurantium</i> . <i>Acta Physiologiae Plantarum</i> , 2010, 32, 683-693.	2.1	17
27	Linking the physiological parameters of nitrate uptake with root morphology and topology in wheat (<i>Triticum durum</i>) and citrus (<i>Citrus volkameriana</i>) rootstock. <i>Canadian Journal of Botany</i> , 2002, 80, 494-503.	1.1	16
28	Root architectural traits of rooted cuttings of two fig cultivars: Treatments with arbuscular mycorrhizal fungi formulation. <i>Scientia Horticulturae</i> , 2021, 283, 110083.	3.6	15
29	Single and Combined Abiotic Stress in Maize Root Morphology. <i>Plants</i> , 2021, 10, 5.	3.5	15
30	Root Architecture Plasticity of Citrus Rootstocks in Response to Nitrate Availability. <i>Journal of Plant Nutrition</i> , 2007, 30, 1921-1932.	1.9	14
31	Impact of skidding operations on soil physical properties in southern Italy. <i>Contemporary Engineering Sciences</i> , 0, 9, 1095-1104.	0.2	14
32	Effects of a biomimetic iron porphyrin on soil respiration and maize root morphology as by a microcosm experiment. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 399-406.	1.9	13
33	Spatial distribution of coarse root biomass and carbon in a high-density olive orchard: effects of mechanical harvesting methods. <i>Trees - Structure and Function</i> , 2018, 32, 919-931.	1.9	13
34	Profiling Volatile Terpenoids from Calabrian Pine Stands Infested by the Pine Processionary Moth. <i>Plants</i> , 2020, 9, 1362.	3.5	11
35	A sonic root detector for revealing tree coarse root distribution. <i>Scientific Reports</i> , 2020, 10, 8075.	3.3	10
36	Growth of Tomato and Zucchini Seedlings in Orange Waste Compost Media: pH and Implication of Dosage. <i>Compost Science and Utilization</i> , 2011, 19, 189-196.	1.2	8

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37	Dynamic Response of Key Germination Traits to NaCl Stress in Sugar Beet Seeds. <i>Sugar Tech</i> , 2019, 21, 661-671.	1.8	7
38	Diterpene Resin Acids and Olefins in Calabrian Pine (<i>Pinus nigra</i> subsp. <i>laricio</i> (Poiret) Maire) Oleoresin: GC-MS Profiling of Major Diterpenoids in Different Plant Organs, Molecular Identification and Expression Analysis of Diterpene Synthase Genes. <i>Plants</i> , 2021, 10, 2391.	3.5	6
39	Characterization of Biochar and Syngas Obtained from Pellets of Grape Vine and Sun Flower Husk Using A Pyrolysis System. <i>Procedia, Social and Behavioral Sciences</i> , 2016, 223, 871-878.	0.5	5
40	The Assessment and the Within-Plant Variation of the Morpho-Physiological Traits and VOCs Profile in Endemic and Rare <i>Salvia ceratophylloides</i> Ard. (Lamiaceae). <i>Plants</i> , 2021, 10, 474.	3.5	5
41	Root Morphology. , 2018, , 15-28.		3
42	Plasticity, exudation and microbiome-association of the root system of Pellitory-of-the-wall plants grown in environments impaired in iron availability. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 27-42.	5.8	3
43	Monoterpene Synthase Genes and Monoterpene Profiles in <i>Pinus nigra</i> subsp. <i>laricio</i> . <i>Plants</i> , 2022, 11, 449.	3.5	2
44	Net Nitrate Uptake by the Roots of Different Potato Haploids. <i>Journal of Plant Nutrition</i> , 2005, 28, 851-863.	1.9	1
45	Soil and management factors differentially affect kiwifruit quality : a multivariate approach. <i>Journal of Agricultural Economics</i> , 2019, , 211-230.	0.3	1
46	Nitrogen in Citrus: Signal, Nutrient, and Use Efficiency. , 2012, , 231-244.		0
47	Effects of arbuscular mycorrhizal fungi formulations on the root morphological traits of rooted cuttings of two fig (<i>Ficus carica</i> L.) cultivars. <i>Acta Horticulturae</i> , 2021, , 61-68.	0.2	0
48	The Ecology of Fine Roots across Forest Biomes. <i>Forests</i> , 2021, 12, 643.	2.1	0