

# 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  
g-index

51  
all docs

51  
docs citations

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times ranked

1507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monoterpene Synthase Genes and Monoterpene Profiles in <i>Pinus nigra</i> subsp. <i>laricio</i> . <i>Plants</i> , 2022, 11, 449.	3.5	2
2	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
3	Single and combined abiotic stressors affect maize rhizosphere bacterial microbiota. <i>Rhizosphere</i> , 2021, 17, 100318.	3.0	25
4	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
5	The Ecology of Fine Roots across Forest Biomes. <i>Forests</i> , 2021, 12, 643.	2.1	0
6	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
7	Single and Combined Abiotic Stress in Maize Root Morphology. <i>Plants</i> , 2021, 10, 5.	3.5	15
8	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
9	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
10	Profiling Volatile Terpenoids from Calabrian Pine Stands Infested by the Pine Processionary Moth. <i>Plants</i> , 2020, 9, 1362.	3.5	11
11	A sonic root detector for revealing tree coarse root distribution. <i>Scientific Reports</i> , 2020, 10, 8075.	3.3	10
12	On the Evolution and Functional Diversity of Terpene Synthases in the <i>Pinus</i> Species: A Review. <i>Journal of Molecular Evolution</i> , 2020, 88, 253-283.	1.8	38
13	Dynamic Response of Key Germination Traits to NaCl Stress in Sugar Beet Seeds. <i>Sugar Tech</i> , 2019, 21, 661-671.	1.8	7
14	Soil and management factors differentially affect kiwifruit quality : a multivariate approach. <i>Journal of Agricultural Economics</i> , 2019, , 211-230.	0.3	1
15	Coumarin enhances nitrate uptake in maize roots through modulation of plasma membrane H <sup>+</sup> -ATPase activity. <i>Plant Biology</i> , 2018, 20, 390-398.	3.8	19
16	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
17	Root Morphology. , 2018, , 15-28.		3
18	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

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19	Root Phenotyping For Drought Tolerance in Bean Landraces From Calabria (Italy). Journal of Agronomy and Crop Science, 2016, 202, 1-12.	3.5	41
20	Morphological and physiological effects of trans-cinnamic acid and its hydroxylated derivatives on maize root types. Plant Growth Regulation, 2016, 78, 263-273.	3.4	27
21	Genetic diversity and population structure of a common bean ( <i>Phaseolus vulgaris</i> L.) collection from Calabria (Italy). Genetic Resources and Crop Evolution, 2013, 60, 839-852.	1.6	27
22	Phytotoxic activity of foliar volatiles and essential oils of <i>Calamintha nepeta</i> (L.) Savi. Natural Product Research, 2013, 27, 1651-1656.	1.8	20
23	Morpho-physiological responses of sugar beet ( <i>Beta vulgaris</i> L.) genotypes to drought stress. Acta Physiologiae Plantarum, 2013, 35, 853-865.	2.1	34
24	Allelopathic potential of <i>Artemisia arborescens</i> : Isolation, identification and quantification of phytotoxic compounds through fractionation-guided bioassays. Natural Product Research, 2013, 27, 880-887.	1.8	27
25	Nitrogen in Citrus: Signal, Nutrient, and Use Efficiency. , 2012, , 231-244.		0
26	Growth of Tomato and Zucchini Seedlings in Orange Waste Compost Media: pH and Implication of Dosage. Compost Science and Utilization, 2011, 19, 189-196.	1.2	8
27	Nitrate uptake along the maize primary root: an integrated physiological and molecular approach. Plant, Cell and Environment, 2011, 34, 1127-1140.	5.7	73
28	Spatial and temporal patterns of net nitrate uptake regulation and kinetics along the tap root of <i>Citrus aurantium</i> . Acta Physiologiae Plantarum, 2010, 32, 683-693.	2.1	17
29	Allelochemical effects on net nitrate uptake and plasma membrane H <sup>+</sup> -ATPase activity in maize seedlings. Biologia Plantarum, 2010, 54, 149-153.	1.9	50
30	Compost from Fresh Orange Waste: A Suitable Substrate for Nursery and Field Crops?. Compost Science and Utilization, 2010, 18, 201-210.	1.2	22
31	Effects of a biomimetic iron porphyrin on soil respiration and maize root morphology as by a microcosm experiment. Journal of Plant Nutrition and Soil Science, 2010, 173, 399-406.	1.9	13
32	Short-term effects of coumarin along the maize primary root axis. Plant Signaling and Behavior, 2010, 5, 1395-1400.	2.4	25
33	Cadmium adsorption on vermiculite, zeolite and pumice: Batch experimental studies. Journal of Environmental Management, 2009, 90, 364-374.	7.8	168
34	Adsorption of nutrients and cadmium by different minerals: Experimental studies and modelling. Journal of Environmental Management, 2008, 88, 890-898.	7.8	23
35	Comparing Morphological Plasticity of Root Orders in Slow- and Fast-growing Citrus Rootstocks Supplied with Different Nitrate Levels. Annals of Botany, 2007, 100, 1287-1296.	2.9	20
36	Root Architecture Plasticity of Citrus Rootstocks in Response to Nitrate Availability. Journal of Plant Nutrition, 2007, 30, 1921-1932.	1.9	14

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37	A comparison of nitrogen use efficiency definitions in Citrus rootstocks. <i>Scientia Horticulturae</i> , 2006, 109, 389-393.	3.6	36
38	The Inhibitory Effects of Coumarin on the Germination of Durum Wheat ( <i>Triticum turgidum</i> ssp.) <i>Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 7</i>	1.8	67
39	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
40	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
41	Net Nitrate Uptake by the Roots of Different Potato Haploids. <i>Journal of Plant Nutrition</i> , 2005, 28, 851-863.	1.9	1
42	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
43	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
44	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
45	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
46	Foliar antioxidant status of adult Mediterranean oak species ( <i>Quercus ilex</i> L. and <i>Q. pubescens</i> Willd.) exposed to permanent CO <sub>2</sub> -enrichment and to seasonal water stress. <i>Environmental Pollution</i> , 2001, 115, 413-423.	7.5	30
47	Influence of coumarin on the net nitrate uptake in durum wheat. <i>New Phytologist</i> , 2001, 150, 619-627.	7.3	36
48	Impact of skidding operations on soil physical properties in southern Italy. <i>Contemporary Engineering Sciences</i> , 0, 9, 1095-1104.	0.2	14