Lorenzo Rossi

List of Publications by Year
in descending order

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30 papers	1,591 citations	471509 17 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1607 citing authors

#	Article	IF	Citations
1	Effects of foliar application of zinc sulfate and zinc nanoparticles in coffee (Coffea arabica L.) plants. Plant Physiology and Biochemistry, 2019, 135, 160-166.	5.8	255
2	Insights into the Physiological and Biochemical Impacts of Salt Stress on Plant Growth and Development. Agronomy, 2020, 10, 938.	3.0	179
3	The impact of cerium oxide nanoparticles on the salt stress responses of Brassica napus L.. Environmental Pollution, 2016, 219, 28-36.	7.5	171
4	Cerium oxide nanoparticles alter the salt stress tolerance of Brassica napus L. by modifying the formation of root apoplastic barriers. Environmental Pollution, 2017, 229, 132-138.	7.5	134
5	Physiological effects of cerium oxide nanoparticles on the photosynthesis and water use efficiency of soybean (Glycine max (L.) Merr.). Environmental Science: Nano, 2017, 4, 1086-1094.	4.3	101
6	Mutual effects and<i>in planta</i>accumulation of co-existing cerium oxide nanoparticles and cadmium in hydroponically grown soybean (<i>Glycine max</i>(L.) Merr.). Environmental Science: Nano, 2018, 5, 150-157.	4.3	91
7	Uptake, Accumulation, and in Planta Distribution of Coexisting Cerium Oxide Nanoparticles and Cadmium in <i>Glycine max</i> (L.) Merr.. Environmental Science & Technology, 2017, 51, 12815-12824.	10.0	88
8	The impact of cerium oxide nanoparticles on the physiology of soybean (Glycine max (L.) Merr.) under different soil moisture conditions. Environmental Science and Pollution Research, 2018, 25, 930-939.	5.3	80
9	Cerium Oxide Nanoparticles and Bulk Cerium Oxide Leading to Different Physiological and Biochemical Responses in <i>Brassica rapa</i>. Environmental Science & Technology, 2016, 50, 6793-6802.	10.0	75
10	Salt stress induces differential regulation of the phenylpropanoid pathway in Olea europaea cultivars Frantoio (salt-tolerant) and Leccino (salt-sensitive). Journal of Plant Physiology, 2016, 204, 8-15.	3.5	69
11	Using artificial neural network to investigate physiological changes and cerium oxide nanoparticles and cadmium uptake by Brassica napus plants. Environmental Pollution, 2019, 246, 381-389.	7.5	52
12	Multigenerational exposure to cerium oxide nanoparticles: Physiological and biochemical analysis reveals transmissible changes in rapid cycling Brassica rapa. NanoImpact, 2016, 1, 46-54.	4.5	51
13	Tree-ring wood anatomy and stable isotopes show structural and functional adjustments in olive trees under different water availability. Plant and Soil, 2013, 372, 567-579.	3.7	37
14	Salt stress modifies apoplastic barriers in olive (Olea europaea L.): a comparison between a salt-tolerant and a salt-sensitive cultivar. Scientia Horticulturae, 2015, 192, 38-46.	3.6	37
15	Biochar improves soil physical characteristics and strengthens root architecture in Muscadine grape (Vitis rotundifolia L.). Chemical and Biological Technologies in Agriculture, 2021, 8, .	4.6	33
16	Effects of cerium oxide nanoparticles and cadmium on corn (Zea mays L.) seedlings physiology and root anatomy. NanoImpact, 2020, 20, 100264.	4.5	20
17	Overexpression of a synthetic insectâ€“plant geranyl pyrophosphate synthase gene in Camelina sativa alters plant growth and terpene biosynthesis. Planta, 2016, 244, 215-230.	3.2	19
18	Quercus leaf extracts display curative effects against Candidatus Liberibacter asiaticus that restore leaf physiological parameters in HLB-affected citrus trees. Plant Physiology and Biochemistry, 2020, 148, 70-79.	5.8	16

#	Article	IF	Citations
19	Effects of Soil Salinity on Citrus Rootstock â€˜US-942â€™ Physiology and Anatomy. Hortscience: A Publication of the American Society for Hortcultural Science, 2019, 54, 787-792.	1.0	13
20	Polyamines provide new insights into the biochemical basis of Cr-tolerance in Kinnow mandarin grafted on diploid and double-diploid rootstocks. Environmental and Experimental Botany, 2018, 156, 248-260.	4.2	12
21	Initial Sterilization of Soil Affected Interactions of Cerium Oxide Nanoparticles and Soybean Seedlings (<i>Glycine max</i> (L.) Merr.) in a Greenhouse Study. ACS Sustainable Chemistry and Engineering, 2018, 6, 10307-10314.	6.7	12
22	Rootstocks for Commercial Peach Production in the Southeastern United States: Current Research, Challenges, and Opportunities. Horticulturae, 2022, 8, 602.	2.8	9
23	Hydraulic segmentation does not protect stems from acute water loss during fire. Tree Physiology, 2021, 41, 1785-1793.	3.1	6
24	Ecophysiology of Plants in Dry Environments. , 2019, , 71-100.		6
25	Overexpression of PopulusÃ—canescens isoprene synthase gene in Camelina sativa leads to alterations in its growth and metabolism. Journal of Plant Physiology, 2017, 215, 122-131.	3.5	5
26	In Planta Localization of Endophytic Cordyceps fumosorosea in Carrizo Citrus. Microorganisms, 2021, 9, 219.	3.6	5
27	Effect of Propagation Systems and Indole-3-Butyric Acid Potassium Salt (K-IBA) Concentrations on the Propagation of Peach Rootstocks by Stem Cuttings. Plants, 2021, 10, 1151.	3.5	4
28	Impact of a Soil Conditioner Integrated into Fertilization Scheme on Orange and Lemon Seedling Physiological Performances. Plants, 2020, 9, 812.	3.5	3
29	Greenhouse Evaluation of Pinewood Biochar Effects on Nutrient Status and Physiological Performance in Muscadine Grape (Vitis rotundifolia L.). Hortscience: A Publication of the American Society for Hortcultural Science, 2021, 56, 277-285.	1.0	3
30	Citrus Rootstock Propagation: Traditional Techniques and Recent Advances. Edis, 2019, 2019, 4.	0.1	2