Daniele Del Buono

List of Publications by Year
in descending order

42 papers	1,362 citations	361296 20 h-index	345118 36 g-index
44 all docs	44 docs citations	44 times ranked	1279 citing authors

#	Article	IF	Citations
1	Copper accumulation in vineyard soils: Rhizosphere processes and agronomic practices to limit its toxicity. Chemosphere, 2016, 162, 293-307.	4.2	161
2	Selenium protects olive (Olea europaea L.) from drought stress. Scientia Horticulturae, 2013, 164, 165-171.	1.7	148
3	Can biostimulants be used to mitigate the effect of anthropogenic climate change on agriculture? It is time to respond. Science of the Total Environment, 2021, 751, 141763.	3.9	148
4	The Opportunity of Valorizing Agricultural Waste, Through Its Conversion into Biostimulants, Biofertilizers, and Biopolymers. Sustainability, 2021, 13, 2710.	1.6	64
5	A Comparative Study on the Interference of Two Herbicides in Wheat and Italian Ryegrass and on Their Antioxidant Activities and Detoxification Rates. Journal of Agricultural and Food Chemistry, 2011, 59, 12109-12115.	2.4	62
6	Differential Induction of Glutathione Transferases and Glucosyltransferases in Wheat, Maize and Arabidopsis thaliana by Herbicide Safeners. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 307-316.	0.6	57
7	Iron deficiency in barley plants: phytosiderophore release, iron translocation, and DNA methylation. Frontiers in Plant Science, 2015, 6, 514.	1.7	54
8	Biogenic ZnO Nanoparticles Synthesized Using a Novel Plant Extract: Application to Enhance Physiological and Biochemical Traits in Maize. Nanomaterials, 2021, 11, 1270.	1.9	50
9	Phytoremediation and detoxification of xenobiotics in plants: herbicide-safeners as a tool to improve plant efficiency in the remediation of polluted environments. A mini-review. International Journal of Phytoremediation, 2020, 22, 789-803.	1.7	41
10	Induction of wheat and maize glutathioneS-transferase by some herbicide safeners and their effect on enzyme activity against butachlor and terbuthylazine. Pest Management Science, 2006, 62, 927-932.	1.7	39
11	Glutathione S-transferases in Festuca arundinacea: Identification, characterization and inducibility by safener benoxacor. Phytochemistry, 2007, 68, 2614-2624.	1.4	37
12	Italian ryegrass for the phytoremediation of solutions polluted with terbuthylazine. Chemosphere, 2015, 119, 31-36.	4.2	37
13	Application of a Plant Biostimulant To Improve Maize (Zea mays) Tolerance to Metolachlor. Journal of Agricultural and Food Chemistry, 2019, 67, 12164-12171.	2.4	37
14	The treatment of duckweed with a plant biostimulant or a safener improves the plant capacity to clean water polluted by terbuthylazine. Science of the Total Environment, 2019, 646, 832-840.	3.9	36
15	Nitrate removal from polluted water by using a vegetated floating system. Science of the Total Environment, 2016, 542, 803-808.	3.9	34
16	Lignin Nanoparticles: A Promising Tool to Improve Maize Physiological, Biochemical, and Chemical Traits. Nanomaterials, 2021, 11, 846.	1.9	32
17	Combination of aquatic species and safeners improves the remediation of copper polluted water. Science of the Total Environment, 2017, 601-602, 1263-1270.	3.9	27
18	Glutathione S-Transferases of Italian Ryegrass (Lolium multiflorum): Activity toward Some Chemicals, Safener Modulation and Persistence of Atrazine and Fluorodifen in the Shoots. Journal of Agricultural and Food Chemistry, 2011, 59, 1324-1329.	2.4	23

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19	Blue:Red LED Light Proportion Affects Vegetative Parameters, Pigment Content, and Oxidative Status of Einkorn (Triticum monococcum L. ssp. monococcum) Wheatgrass. Journal of Agricultural and Food Chemistry, 2020, 68, 8757-8763.	2.4	23
20	Use of two grasses for the phytoremediation of aqueous solutions polluted with terbuthylazine. International Journal of Phytoremediation, 2016, 18, 885-891.	1.7	22
21	Effect of three safeners on sulfur assimilation and iron deficiency response in barley (Hordeum) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	22
22	Effects of Biogenic ZnO Nanoparticles on Growth, Physiological, Biochemical Traits and Antioxidants on Olive Tree In Vitro. Horticulturae, 2022, 8, 161.	1.2	21
23	Interference of three herbicides on iron acquisition in maize plants. Chemosphere, 2018, 206, 424-431.	4.2	20
24	Effects of Megafol on the Olive Cultivar â€˜Arbequinaâ€™ Grown Under Severe Saline Stress in Terms of Physiological Traits, Oxidative Stress, Antioxidant Defenses, and Cytosolic Ca2+. Frontiers in Plant Science, 2020, 11, 603576.	1.7	18
25	Terbuthylazine interferes with iron nutrition in maize (Zea mays) plants. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	16
26	Synthesis of a Lignin/Zinc Oxide Hybrid Nanoparticles System and Its Application by Nano-Priming in Maize. Nanomaterials, 2022, 12, 568.	1.9	14
27	Effects of terbuthylazine on phytosiderophores release in iron deficient barley. Environmental and Experimental Botany, 2015, 116, 32-38.	2.0	13
28	Use of a Biostimulant to Mitigate Salt Stress in Maize Plants. Agronomy, 2021, 11, 1755.	1.3	12
29	Physiological and Biochemical Effects of an Aqueous Extract of Lemna minor L. as a Potential Biostimulant for Maize. Journal of Plant Growth Regulation, 2022, 41, 3009-3018.	2.8	12
30	Activity of glutathione S-transferase toward some herbicides and its regulation by benoxacor in non-embryogenic callus and in vitro regenerated tissues of Zea mays. Pesticide Biochemistry and Physiology, 2006, 85, 61-67.	1.6	11
31	Extraction of nanostructured starch from purified granules of waxy and non-waxy barley cultivars. Industrial Crops and Products, 2019, 130, 520-527.	2.5	11
32	Effect of Light Spectrum on Gas Exchange, Growth and Biochemical Characteristics of Einkorn Seedlings. Agronomy, 2020, 10, 1042.	1.3	11
33	Biostimulant Effects of an Aqueous Extract of Duckweed (Lemna minor L.) on Physiological and Biochemical Traits in the Olive Tree. Agriculture (Switzerland), 2021, 11, 1299.	1.4	11
34	Festuca arundinaceagrass and herbicide safeners to prevent herbicide pollution. Agronomy for Sustainable Development, 2009, 29, 313-319.	2.2	6
35	Effect of metribuzin on nitrogen metabolism and iron acquisition inZea mays. Chemistry and Ecology, 2019, 35, 720-731.	0.6	6
36	Herbicide Uptake and Regrowth Ability of Tall Fescue and Orchardgrass in S-Metolachlor-Contaminated Leachates from Sand Pot Experiment. Agriculture (Switzerland), 2020, 10, 487.	1.4	6

#	Article	IF	Citations
37	Lemna minor aqueous extract as a natural ingredient incorporated in poly (vinyl alcohol)-based films for active food packaging systems. Food Packaging and Shelf Life, 2022, 32, 100822.	3.3	6
38	Festuca arundinacea, glutathioneS-transferaseand herbicide safeners: A preliminary case study to reduce herbicidal pollution. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2009, 44, 805-809.	0.7	5
39	Phytodepuration of Nitrate Contaminated Water Using Four Different Tree Species. Plants, 2021, 10, 515.	1.6	4
40	Effect of agrochemicals on biomass production and quality parameters of tobacco plants. Journal of Plant Nutrition, 2021, 44, 1107-1119.	0.9	2
41	Lignin for metal ion remediation in aqueous systems. , 2022, , 325-356.		1
42	Effects of Selenium-Methionine against Heat Stress in Ca2+-Cytosolic and Germination of Olive Pollen Performance. Agriculture (Switzerland), 2022, 12, 826.	1.4	1