## Adriano Sofo

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7326678/publications.pdf

Version: 2024-02-01

87888 110387 4,927 129 38 64 citations h-index g-index papers 140 140 140 6202 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Ascorbate Peroxidase and Catalase Activities and Their Genetic Regulation in Plants Subjected to Drought and Salinity Stresses. International Journal of Molecular Sciences, 2015, 16, 13561-13578.	4.1	492
2	Lipids and proteins—major targets of oxidative modifications in abiotic stressed plants. Environmental Science and Pollution Research, 2015, 22, 4099-4121.	5.3	252
3	Catalase and ascorbate peroxidase—representative H2O2-detoxifying heme enzymes in plants. Environmental Science and Pollution Research, 2016, 23, 19002-19029.	5.3	248
4	Effects of different irradiance levels on some antioxidant enzymes and on malondialdehyde content during rewatering in olive tree. Plant Science, 2004, 166, 293-302.	3.6	192
5	Lipoxygenase activity and proline accumulation in leaves and roots of olive trees in response to drought stress. Physiologia Plantarum, 2004, 121, 58-65.	5.2	187
6	Antioxidant defences in olive trees during drought stress: changes in activity of some antioxidant enzymes. Functional Plant Biology, 2005, 32, 45.	2.1	138
7	Influence of water deficit and rewatering on the components of the ascorbate–glutathione cycle in four interspecific Prunus hybrids. Plant Science, 2005, 169, 403-412.	3.6	128
8	The olive tree: a paradigm for drought tolerance in Mediterranean climates. Hydrology and Earth System Sciences, 2008, 12, 293-301.	4.9	119
9	Osmotic regulation in leaves and roots of olive trees during a water deficit and rewatering. Tree Physiology, 2006, 26, 179-185.	3.1	100
10	Net CO2 storage in mediterranean olive and peach orchards. Scientia Horticulturae, 2005, 107, 17-24.	3.6	97
11	Trichoderma harzianum T-22 Induces Systemic Resistance in Tomato Infected by Cucumber mosaic virus. Frontiers in Plant Science, 2016, 7, 1520.	3.6	81
12	Auxin and Cytokinin Metabolism and Root Morphological Modifications in Arabidopsis thaliana Seedlings Infected with Cucumber mosaic virus (CMV) or Exposed to Cadmium. International Journal of Molecular Sciences, 2013, 14, 6889-6902.	4.1	80
13	Correlation between hormonal homeostasis and morphogenic responses in <i>Arabidopsis thaliana</i> seedlings growing in a Cd/Cu/Zn multiâ€pollution context. Physiologia Plantarum, 2013, 149, 487-498.	5.2	79
14	Cadmium and arsenic affect quiescent centre formation and maintenance in Arabidopsis thaliana post-embryonic roots disrupting auxin biosynthesis and transport. Environmental and Experimental Botany, 2017, 144, 37-48.	4.2	76
15	Abscisic acid root and leaf concentration in relation to biomass partitioning in salinized tomato plants. Journal of Plant Physiology, 2012, 169, 226-233.	3.5	74
16	Beneficial effects of Trichoderma harzianum T-22 in tomato seedlings infected by Cucumber mosaic virus (CMV). BioControl, 2015, 60, 135-147.	2.0	73
17	Ethylene and auxin interaction in the control of adventitious rooting in <i>Arabidopsis thaliana</i> Journal of Experimental Botany, 2016, 67, 6445-6458.	4.8	73
18	The Crosstalk of Melatonin and Hydrogen Sulfide Determines Photosynthetic Performance by Regulation of Carbohydrate Metabolism in Wheat under Heat Stress. Plants, 2021, 10, 1778.	3.5	71

#	Article	IF	CITATIONS
19	Trichoderma harzianum strain T-22 induces changes in phytohormone levels in cherry rootstocks (Prunus cerasusÂ×ÂP. canescens). Plant Growth Regulation, 2011, 65, 421-425.	3.4	68
20	Toxic effects of four sulphonylureas herbicides on soil microbial biomass. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 653-659.	1.5	68
21	Converting Home Spaces into Food Gardens at the Time of Covid-19 Quarantine: all the Benefits of Plants in this Difficult and Unprecedented Period. Human Ecology, 2020, 48, 131-139.	1.4	67
22	Soil Macrofauna: A key Factor for Increasing Soil Fertility and Promoting Sustainable Soil Use in Fruit Orchard Agrosystems. Agronomy, 2020, 10, 456.	3.0	62
23	Nutraceutical properties and polyphenolic profile of berry skin and wine of Vitis vinifera L. (cv.) Tj ETQq1 1 0.784.	314 rgBT /	Overlock 10
24	Metal content of southern Italy honey of different botanical origins and its correlation with polyphenol content and antioxidant activity. International Journal of Food Science and Technology, 2012, 47, 1909-1917.	2.7	56
25	Effects of post-harvest regulated deficit irrigation on carbohydrate and nitrogen partitioning, yield quality and vegetative growth of peach trees. Plant and Soil, 2007, 290, 127-137.	3.7	55
26	Chitosan-elicited defense responses in Cucumber mosaic virus (CMV)-infected tomato plants. Journal of Plant Physiology, 2019, 234-235, 9-17.	3.5	54
27	Soil microbial diversity and activity in a <scp>M</scp> editerranean olive orchard using sustainable agricultural practices. Soil Use and Management, 2014, 30, 160-167.	4.9	53
28	Different agronomic and fertilization systems affect polyphenolic profile, antioxidant capacity and mineral composition of lettuce. Scientia Horticulturae, 2016, 204, 106-115.	3.6	53
29	Evaluation of anti-inflammatory activity and fast UHPLC–DAD–IT-TOF profiling of polyphenolic compounds extracted from green lettuce (Lactuca sativa L.; var. Maravilla de Verano). Food Chemistry, 2015, 167, 153-161.	8.2	52
30	Biodegradation of carbamazepine and clarithromycin by Trichoderma harzianum and Pleurotus ostreatus investigated by liquid chromatography – high-resolution tandem mass spectrometry (FTICR) Tj ETQq	0 <b>&amp;.0</b> rgB7	⁻/ <b>©</b> verlock 10
31	Nitric Oxide Cooperates With Auxin to Mitigate the Alterations in the Root System Caused by Cadmium and Arsenic. Frontiers in Plant Science, 2020, $11,1182$ .	3.6	50
32	Ethylene and Sulfur Coordinately Modulate the Antioxidant System and ABA Accumulation in Mustard Plants under Salt Stress. Plants, 2021, 10, 180.	3.5	50
33	Root architecture and morphometric analysis of Arabidopsis thaliana grown in Cd/Cu/Zn-gradient agar dishes: A new screening technique for studying plant response to metals. Plant Physiology and Biochemistry, 2015, 91, 20-27.	5.8	48
34	Olive orchard microbiome: characterisation of bacterial communities in soil-plant compartments and their comparison between sustainable and conventional soil management systems. Plant Ecology and Diversity, 2018, 11, 597-610.	2.4	46
35	Salt stress induction of some key antioxidant enzymes and metabolites in eight Iranian wild almond species. Acta Physiologiae Plantarum, 2012, 34, 203-213.	2.1	45
36	Plant architecture, auxin homeostasis and phenol content in Arabidopsis thaliana grown in cadmiumand zinc-enriched media. Journal of Plant Physiology, 2017, 216, 174-180.	3.5	45

#	Article	IF	CITATIONS
37	Nitric Oxide and Abscisic Acid Mediate Heat Stress Tolerance through Regulation of Osmolytes and Antioxidants to Protect Photosynthesis and Growth in Wheat Plants. Antioxidants, 2022, 11, 372.	5.1	45
38	Photosynthetic performance and light response of two olive cultivars under different water and light regimes. Photosynthetica, 2009, 47, 602-608.	1.7	42
39	Genetic, Functional, and Metabolic Responses of Soil Microbiota in a Sustainable Olive Orchard. Soil Science, 2010, 175, 81-88.	0.9	42
40	Wild almond (Prunus scoparia L.) as potential oilseed resource for the future: Studies on the variability of its oil content and composition. Food Chemistry, 2016, 212, 58-64.	8.2	42
41	Ultraviolet-B radiation or heat cause changes in photosynthesis, antioxidant enzyme activities and pollen performance in olive tree. Photosynthetica, 2015, 53, 279-287.	1.7	40
42	Changes in water status and osmolyte contents in leaves and roots of olive plants (Olea europaea L.) subjected to water deficit. Trees - Structure and Function, 2009, 23, 247-256.	1.9	38
43	Direct effects of Trichoderma harzianum strain T-22 on micropropagated shoots of GiSeLa6® (Prunus) Tj ETQq1	1 0.78431 4.2	l4,rgBT/Ove
44	The key roles of salicylic acid and sulfur in plant salinity stress tolerance. Journal of Plant Growth Regulation, 2022, 41, 1891-1904.	5.1	38
45	A Standardized Method for Estimating the Functional Diversity of Soil Bacterial Community by Biolog® EcoPlatesTM Assay—The Case Study of a Sustainable Olive Orchard. Applied Sciences (Switzerland), 2019, 9, 4035.	2.5	36
46	The Arabidopsis thaliana Knockout Mutant for Phytochelatin Synthase1 (cad1-3) Is Defective in Callose Deposition, Bacterial Pathogen Defense and Auxin Content, But Shows an Increased Stem Lignification. Frontiers in Plant Science, 2018, 9, 19.	3.6	35
47	Stem and whole-plant hydraulics in olive (Olea europaea) and kiwifruit (Actinidia deliciosa). Trees - Structure and Function, 2013, 27, 183-191.	1.9	33
48	Shade effect on photosynthesis and photoinhibition in olive during drought and rewatering. Agricultural Water Management, 2009, 96, 1201-1206.	5.6	32
49	Exogenous proline alleviates the effects of H2O2-induced oxidative stress in wild almond species. Russian Journal of Plant Physiology, 2012, 59, 788-798.	1.1	30
50	Berry morphology and composition in irrigated and non-irrigated grapevine (Vitis vinifera L.). Journal of Plant Physiology, 2012, 169, 1023-1031.	3.5	29
51	Comparing the effects of soil fauna on litter decomposition and organic matter turnover in sustainably and conventionally managed olive orchards. Geoderma, 2020, 372, 114393.	5.1	28
52	Salicylic Acid Increases Photosynthesis of Drought Grown Mustard Plants Effectively with Sufficient-N via Regulation of Ethylene, Abscisic Acid, and Nitrogen-Use Efficiency. Journal of Plant Growth Regulation, 2022, 41, 1966-1977.	5.1	27
53	Phyllosphere and Carposphere Bacterial Communities in Olive Plants Subjected to Different Cultural Practices. International Journal of Plant Biology, 2015, 6, 6011.	2.6	26
54	Anti-inflammatory and antioxidant activity of polyphenolic extracts from <i>Lactuca sativa</i> (var. <i>Maravilla de Verano</i> ) under different farming methods. Journal of the Science of Food and Agriculture, 2016, 96, 4194-4206.	3.5	26

#	Article	IF	CITATIONS
55	Regulation of the ascorbate-glutathione cycle in wild almond during drought stress. Russian Journal of Plant Physiology, 2011, 58, 76-84.	1.1	25
56	The effect of polyethylene glycol-induced drought stress on photosynthesis, carbohydrates and cell membrane in Stevia rebaudiana grown in greenhouse. Acta Physiologiae Plantarum, 2018, 40, 1.	2.1	25
57	The metabolic and genetic diversity of soil bacterial communities depends on the soil management system and C/N dynamics: The case of sustainable and conventional olive groves. Applied Soil Ecology, 2019, 137, 21-28.	4.3	24
58	Effects of <i>Trichoderma harzianum </i> strain T-22 on the growth of two <i>Prunus </i> rootstocks during the rooting phase. Journal of Horticultural Science and Biotechnology, 2010, 85, 497-502.	1.9	23
59	The state of the world's urban ecosystems: What can we learn from trees, fungi, and bees?. Plants People Planet, 2020, 2, 482-498.	3.3	23
60	Mycoremediation effect of Trichoderma harzianum strain T22 combined with ozonation in diesel-contaminated sand. Chemosphere, 2020, 252, 126597.	8.2	23
61	Nutrient dynamics, soil properties and microbiological aspects in an irrigated olive orchard managed with five different management systems involving soil tillage, cover crops and compost. Journal of Water and Climate Change, 2018, 9, 736-747.	2.9	22
62	Biodegradable pots for Poinsettia cultivation: Agronomic and technical traits. Scientia Horticulturae, 2015, 197, 150-156.	3.6	21
63	Evaluation of the possible persistence of potential human pathogenic bacteria in olive orchards irrigated with treated urban wastewater. Science of the Total Environment, 2019, 658, 763-767.	8.0	21
64	Editorial: Redox Homeostasis Managers in Plants under Environmental Stresses. Frontiers in Environmental Science, 2016, 4, .	3.3	20
65	Preharvest calcium applications improve postharvest quality of papaya fruits ( <i>Carica papaya</i> L.) Tj ETQq1	1 0.78431 1.8431	4 rgBT /Overl
66	Microbial-based soil quality indicators in irrigated and rainfed soil portions of Mediterranean olive and peach orchards under sustainable management. Agricultural Water Management, 2018, 195, 172-179.	5.6	20
67	Soil quality and fertility in sustainable agriculture, with a contribution to the biological classification of agricultural soils. Soil Use and Management, 2022, 38, 1085-1112.	4.9	20
68	Ethylene Supplementation Combined with Split Application of Nitrogen and Sulfur Protects Salt-Inhibited Photosynthesis through Optimization of Proline Metabolism and Antioxidant System in Mustard (Brassica juncea L.). Plants, 2021, 10, 1303.	3.5	20
69	Acclimation of winter wheat (Triticum aestivum, cv. Yangmai 13) to low levels of solar irradiance. Photosynthetica, 2011, 49, .	1.7	19
70	Impact of airborne zinc pollution on the antimicrobial activity of olive oil and the microbial metabolic profiles of Zn-contaminated soils in an Italian olive orchard. Journal of Trace Elements in Medicine and Biology, 2018, 49, 276-284.	3.0	18
71	Leaf biochemical responses and fruit oil quality parameters in olive plants subjected to airborne metal pollution. Chemosphere, 2017, 168, 514-522.	8.2	16
72	Halophile plant growth-promoting rhizobacteria induce salt tolerance traits in wheat seedlings (Triticum aestivum L.). Pedosphere, 2020, 30, 684-693.	4.0	16

#	Article	IF	Citations
73	Soil Sulfur Sources Differentially Enhance Cadmium Tolerance in Indian Mustard (Brassica juncea L.). Soil Systems, 2021, 5, 29.	2.6	16
74	Correlations between morpho-anatomical changes and radial hydraulic conductivity in roots of olive trees under water deficit and rewatering. Tree Physiology, 2015, 35, 1356-1365.	3.1	15
75	Antioxidant responses of edible and model plant species subjected to subtoxic zinc concentrations. Journal of Trace Elements in Medicine and Biology, 2018, 49, 261-268.	3.0	15
76	Hormonal Response and Root Architecture in Arabidopsis thaliana Subjected to Heavy Metals. International Journal of Plant Biology, 2014, 5, 5226.	2.6	14
77	Regulation of the Ascorbate–Glutathione Cycle in Plants Under Drought Stress. , 2010, , 137-189.		13
78	Carbon isotope discrimination and water use efficiency in interspecific Prunus hybrids subjected to drought stress. Plant Physiology and Biochemistry, 2022, 175, 33-43.	5.8	13
79	Antioxidant, Enzyme-Inhibitory and Antitumor Activity of the Wild Dietary Plant Muscari comosum (L.) Mill International Journal of Plant Biology, 2017, 8, 6895.	2.6	12
80	Sustainable Fruit Production in Mediterranean Orchards Subjected to Drought Stress., 2012,, 105-129.		11
81	Structural and Functional Organization of the Root System: A Comparative Study on Five Plant Species. Plants, 2020, 9, 1338.	3.5	11
82	Changes in composition and activity of soil microbial communities in peach and kiwifruit Mediterranean orchards under an innovative management system. Soil Research, 2010, 48, 266.	1.1	11
83	Anthocyanin composition and extractability in berry skin and wine of <i>Vitis vinifera</i> L. cv. Aglianico. Journal of the Science of Food and Agriculture, 2011, 91, 2749-2755.	3.5	10
84	Soil management type differentially modulates the metabolomic profile of olive xylem sap. Plant Physiology and Biochemistry, 2019, 139, 707-714.	5.8	10
85	Adaptive Decision Making and Intellectual Styles. SpringerBriefs in Psychology, 2013, , .	0.2	10
86	Editorial: Recent Insights Into the Double Role of Hydrogen Peroxide in Plants. Frontiers in Plant Science, 2022, 13, 843274.	3.6	10
87	Drought stress tolerance and photoprotection in two varieties of olive tree. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2011, 61, 711-720.	0.6	9
88	Coumarin Interferes with Polar Auxin Transport Altering Microtubule Cortical Array Organization in Arabidopsis thaliana (L.) Heynh. Root Apical Meristem. International Journal of Molecular Sciences, 2021, 22, 7305.	4.1	9
89	Peroxisomal PEX7 Receptor Affects Cadmium-Induced ROS and Auxin Homeostasis in Arabidopsis Root System. Antioxidants, 2021, 10, 1494.	5.1	9
90	Chemical, Biochemical, and Microbiological Properties of Soils from Abandoned and Extensively Cultivated Olive Orchards. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	8

#	Article	IF	CITATIONS
91	Sustainable Soil Management in Olive Orchards. , 2014, , 471-483.		8
92	Differential olive grove management regulates the levels of primary metabolites in xylem sap. Plant and Soil, 2021, 460, 281-296.	3.7	8
93	In situ olive mill residual co-composting for soil organic fertility restoration and by-product sustainable reuse. Italian Journal of Agronomy, 2012, 7, 23.	1.0	7
94	Control of Biotic and Abiotic Stresses in Cultivated Plants by the Use of Biostimulant Microorganisms. , 2014, , 107-117.		7
95	A PRELIMINARY ASSESSMENT OF WATER FOOTPRINT COMPONENTS IN A MEDITERRANEAN OLIVE GROVE. Acta Horticulturae, 2014, , 671-676.	0.2	7
96	Effects of UV-C radiation on common dandelion and purple coneflower: First results. International Journal of Plant Biology, 2017, 8, .	2.6	7
97	Rootâ^'toâ^'Shoot Signaling and Leaf Waterâ^'Use Efficiency in Peach Trees under Localized Irrigation. Agronomy, 2020, 10, 437.	3.0	7
98	Subtoxic levels of some heavy metals cause differential root-shoot structure, morphology and auxins levels in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2022, 173, 68-75.	5.8	7
99	A Standardized Morpho-Functional Classification of the Planet's Humipedons. Soil Systems, 2022, 6, 59.	2.6	7
100	The agro-ecosystemic benefits of sustainable management in an Italian olive grove. Acta Horticulturae, 2018, , 303-308.	0.2	6
101	Yield parameters and antioxidant compounds of tomato fruit: the role of plant defence inducers with or without <i>Cucumber mosaic virus</i> infection. Journal of the Science of Food and Agriculture, 2019, 99, 5541-5549.	3.5	6
102	Persistence and effects of rotenone on oil quality in two Italian olive cultivars. Food and Chemical Toxicology, 2009, 47, 214-219.	3.6	5
103	Root and leaf abscisic acid concentration impact on gas exchange in tomato (Lycopersicon) Tj ETQq1 1 0.784314	rgBT /Ove	erlock 10 Tf
104	Environmental factors influencing landfill gas biofiltration: Lab scale study on methanotrophic bacteria growth. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 825-831.	1.7	5
105	The Assessment and the Within-Plant Variation of the Morpho-Physiological Traits and VOCs Profile in Endemic and Rare Salvia ceratophylloides Ard. (Lamiaceae). Plants, 2021, 10, 474.	3.5	5
106	Characterization of biochemical factors affecting crop load in three olive cultivars. European Journal of Horticultural Science, 2018, 83, 28-34.	0.7	5
107	NUTRACEUTICAL PROPERTIES AND HEALTH-PROMOTING BIOLOGICAL ACTIVITIES OF FRUITS OF WATERMELON CULTIVARS WITH DIFFERENT ORIGINS. Farmacia, 2020, 68, 679-686.	0.4	5
108	Different root growth patterns of tomato seedlings grown hydroponically under an electric field. Plant Root, 2013, 7, 28-32.	0.3	4

#	Article	IF	CITATIONS
109	Combined forest and soil management after a catastrophic event. Journal of Mountain Science, 2020, 17, 2459-2484.	2.0	4
110	Converting Home Spaces Into Food Gardens At the Time of Covid-19 Quarantine: All the Benefits of Plants in This Difficult and Unprecedented Period. Human Ecology, 2020, , 1-9.	1.4	3
111	A Modest Suggestion: Baking Using Sourdough - a Sustainable, Slow-Paced, Traditional and Beneficial Remedy against Stress during the Covid-19 Lockdown. Human Ecology, 2021, 49, 99-105.	1.4	3
112	Abscisic Acid and Biomass Partitioning in Tomato Under Salinity., 2013,, 267-282.		2
113	Light spectrum affects growth and gas exchange of common dandelion and purple coneflower seedlings. International Journal of Plant Biology, 2016, 7, .	2.6	2
114	Growth Patterns of Tomato Plants Subjected to Two Non-conventional Abiotic Stresses: UV-C Irradiations and Electric Fields., 2014,, 285-296.		2
115	Sustainable Agricultural Practices in Disease Defence of Traditional Crops in Southern Italy: The Case Study of Tomato Cherry Protected by Trichoderma harzianum T-22 Against Cucumber Mosaic Virus (CMV)., 2015,, 133-143.		2
116	How soil microbial biodiversity is modified by soil chemical parameters in differently managed olive orchards. Acta Horticulturae, 2020, , 331-338.	0.2	2
117	Cold-induced changes in antioxidant defenses and reactive oxygen species in eight wild almond species. Free Radicals and Antioxidants, 2014, 4, 70-74.	0.3	2
118	Biochemical and Functional Responses of Arabidopsis thaliana Exposed to Cadmium, Copper and Zinc. Environmental Pollution, 2012, , 239-263.	0.4	1
119	Restoration of soil fertility and management of mineral nutrition in a peach orchard under a sustainable farming system in semi-arid conditions. Acta Horticulturae, 2018, , 257-262.	0.2	1
120	Decision Making in the Social Sciences. SpringerBriefs in Psychology, 2013, , 1-34.	0.2	1
121	Assessment of microbial pools by an innovative microbiological technique during the co-composting of olive mill by-products. Agricultural Sciences, 2011, 02, 104-110.	0.3	1
122	A New Start. International Journal of Plant Biology, 2014, 5, 5468.	2.6	0
123	Does irrigation method affect both root physiology and orchard ecology?. Acta Horticulturae, 2017, , 273-280.	0.2	0
124	Physiological and biochemical response of tomato plants treated with Trichoderma harzianum T-22 and infected by Cucumber mosaic virus. Acta Horticulturae, 2018, , 77-82.	0.2	0
125	UV-C Rays to Simulate the Exposition of Photosynthetic Organisms to Solar Radiation in Space Environments. International Journal of Plant Biology, 2020, 11, 8379.	2.6	0
126	Microbial ecology in sustainable fruit growing: Genetic, functional, and metabolic responses. , 2020, , 317-324.		0

## Adriano Sofo

#	Article	IF	CITATIONS
127	Using Environmental Geostatistics for the Geochemical Characterization of Soils from the Polluted Site of National Interest of Tito (PZ – Italy). Studies in Computational Intelligence, 2011, , 123-144.	0.9	O
128	Critical Thinking and Intellectual Style. SpringerBriefs in Psychology, 2013, , 35-54.	0.2	0
129	Welcome to the New Version of the International Journal of Plant Biology (IJPB). International Journal of Plant Biology, 2022, 13, 2-3.	2.6	O