

# Giuseppe Celano

## List of Publications by Year in descending order

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69  
papers

2,747  
citations

172207

29  
h-index

189595

50  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Glyphosate by Humic Substances. Journal of Agricultural and Food Chemistry, 1996, 44, 2442-2446.	2.4	134
2	Agricultural waste-based composts exhibiting suppressivity to diseases caused by the phytopathogenic soil-borne fungi <i>Rhizoctonia solani</i> and <i>Sclerotinia minor</i> . Applied Soil Ecology, 2013, 65, 43-51.	2.1	134
3	Irrigation of olive groves in Southern Italy with treated municipal wastewater: Effects on microbiological quality of soil and fruits. Agriculture, Ecosystems and Environment, 2009, 129, 43-51.	2.5	124
4	Adsorption and desorption of glyphosate in some European soils. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 1994, 29, 1105-1115.	0.7	116
5	Composting: The way for a sustainable agriculture. Applied Soil Ecology, 2018, 123, 744-750.	2.1	113
6	Drought-induced variations of water relations parameters in <i>Olea europaea</i> . Plant and Soil, 2003, 257, 381-389.	1.8	112
7	In situ detection of tree root distribution and biomass by multi-electrode resistivity imaging. Tree Physiology, 2008, 28, 1441-1448.	1.4	110
8	Influence of soil management on soil physical characteristics and water storage in a mature rainfed olive orchard. Soil and Tillage Research, 2014, 144, 96-109.	2.6	108
9	Net CO <sub>2</sub> storage in mediterranean olive and peach orchards. Scientia Horticulturae, 2005, 107, 17-24.	1.7	97
10	Sustainability evaluation of Sicily's lemon and orange production: An energy, economic and environmental analysis. Journal of Environmental Management, 2013, 128, 674-682.	3.8	93
11	On-farm compost: a useful tool to improve soil quality under intensive farming systems. Applied Soil Ecology, 2016, 107, 13-23.	2.1	87
12	Light influences transpiration and calcium accumulation in fruit of kiwifruit plants ( <i>Actinidia</i> ). Journal of Horticultural Science and Biotechnology, 1997, 117, 50-53.	1.7	75
13	Control of <i>Botrytis cinerea</i> , <i>Alternaria alternata</i> and <i>Pyrenochaeta lycopersici</i> on tomato with whey compost-tea applications. Crop Protection, 2012, 38, 80-86.	1.0	69
14	Hydrogen bonding interactions between the herbicide glyphosate and water-soluble humic substances. Environmental Toxicology and Chemistry, 1994, 13, 1737-1741.	2.2	67
15	Effects of water deficit on the vegetative response, yield and oil quality of olive trees ( <i>Olea europaea</i> ). Journal of Horticultural Science and Biotechnology, 1997, 117, 43-46.	1.7	66
16	Effects of on-farm composted tomato residues on soil biological activity and yields in a tomato cropping system. Chemical and Biological Technologies in Agriculture, 2015, 2, .	1.9	63
17	Effects of fractions of coal-derived humic substances on seed germination and growth of seedlings ( <i>Lactuca sativa</i> and <i>Lycopersicon esculentum</i> ). Biology and Fertility of Soils, 1993, 16, 11-15.	2.3	61
18	Enhancing sustainability of a processing tomato cultivation system by using bioactive compost teas. Scientia Horticulturae, 2016, 202, 117-124.	1.7	54

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19	Effects of soil-protecting agricultural practices on soil organic carbon and productivity in fruit tree orchards. <i>Land Degradation and Development</i> , 2010, 21, 132-138.	1.8	52
20	A sustainable model for the management of olive orchards located in semi-arid marginal areas: Some remarks and indications for policy makers. <i>Environmental Science and Policy</i> , 2013, 27, 81-90.	2.4	51
21	Evaluation of soil water content in tilled and cover-cropped olive orchards by the geoelectrical technique. <i>Geoderma</i> , 2011, 163, 163-170.	2.3	46
22	Adsorption of the herbicide glyphosate on a metal-humic acid complex. <i>Science of the Total Environment</i> , 1992, 123-124, 77-82.	3.9	45
23	A survey of carbon sequestration potential of orchards and vineyards in Italy. <i>European Journal of Horticultural Science</i> , 2016, 81, 106-114.	0.3	44
24	A comprehensive Life Cycle Assessment (LCA) of three apricot orchard systems located in Metapontino area (Southern Italy). <i>Journal of Cleaner Production</i> , 2017, 142, 4059-4071.	4.6	43
25	Genetic, Functional, and Metabolic Responses of Soil Microbiota in a Sustainable Olive Orchard. <i>Soil Science</i> , 2010, 175, 81-88.	0.9	42
26	A combined assessment of the energy, economic and environmental issues associated with on-farm manure composting processes: Two case studies in South of Italy. <i>Journal of Cleaner Production</i> , 2018, 172, 3969-3981.	4.6	42
27	Interactions of atrazine with humic substances of different origins and their hydrolysed products. <i>Science of the Total Environment</i> , 1992, 117-118, 403-412.	3.9	39
28	Biostimulant Potential of Humic Acids Extracted From an Amendment Obtained via Combination of Olive Mill Wastewaters (OMW) and a Pre-treated Organic Material Derived From Municipal Solid Waste (MSW). <i>Frontiers in Plant Science</i> , 2018, 9, 1028.	1.7	37
29	Sustainability Assessment of the Green Compost Production Chain from Agricultural Waste: A Case Study in Southern Italy. <i>Agronomy</i> , 2020, 10, 230.	1.3	35
30	Organic olive orchards on sloping land: More than a specialty niche production system?. <i>Journal of Environmental Management</i> , 2008, 89, 99-109.	3.8	32
31	Infrared and fluorescence spectroscopy of glyphosate-humic acid complexes. <i>Science of the Total Environment</i> , 1992, 123-124, 83-92.	3.9	30
32	Alternative management for olive orchards grown in semi-arid environments: An energy, economic and environmental analysis. <i>Scientia Horticulturae</i> , 2013, 162, 380-386.	1.7	29
33	Effects of compost tea treatments on productivity of lettuce and kohlrabi systems under organic cropping management. <i>Italian Journal of Agronomy</i> , 2014, 9, 153.	0.4	29
34	Disease suppressiveness of agricultural greenwaste composts as related to chemical and bio-based properties shaped by different on-farm composting methods. <i>Biological Control</i> , 2019, 137, 104026.	1.4	29
35	Modification of infrared spectra of the herbicide glyphosate induced by pH variation. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 1993, 28, 447-457.	0.7	26
36	Interactions of Three s-Triazines with Humic Acids of Different Structure. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7360-7366.	2.4	26

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37	Essential oils and quality composts sourced by recycling vegetable residues from the aromatic plant supply chain. <i>Industrial Crops and Products</i> , 2021, 162, 113255.	2.5	26
38	An environmental and economic analysis of the wood-pellet chain: two case studies in Southern Italy. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1675-1684.	2.2	24
39	Compost tea spraying increases yield performance of pepper ( <i>Capsicum annuum</i> L.) grown in greenhouse under organic farming system. <i>Italian Journal of Agronomy</i> , 0, , 229-234.	0.4	23
40	WATER RELATIONS, CALCIUM AND POTASSIUM CONCENTRATION IN FRUITS AND LEAVES DURING ANNUAL GROWTH IN MATURE KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 2001, , 129-134.	0.1	22
41	Soil amendment with seed meals: Short term effects on soil respiration and biochemical properties. <i>Applied Soil Ecology</i> , 2013, 72, 225-231.	2.1	22
42	Environmental Impact Assessment of Organic vs. Integrated Olive-Oil Systems in Mediterranean Context. <i>Agronomy</i> , 2020, 10, 416.	1.3	22
43	Alpha and Beta-diversity of Microbial Communities Associated to Plant Disease Suppressive Functions of On-farm Green Composts. <i>Agriculture (Switzerland)</i> , 2020, 10, 113.	1.4	21
44	Changes in the structure of the skin of kiwifruit in relation to water loss. <i>Journal of Horticultural Science and Biotechnology</i> , 2009, 84, 41-46.	0.9	20
45	DISTRIBUTION OF DRY MATTER AND AMOUNT OF MINERAL ELEMENTS IN IRRIGATED AND NON-IRRIGATED OLIVE TREES. <i>Acta Horticulturae</i> , 1999, , 381-384.	0.1	18
46	A high quality low-cost digital microscope minirhizotron system. <i>Computers and Electronics in Agriculture</i> , 2012, 80, 50-53.	3.7	15
47	Reduced Toxicity of Olive Mill Waste Waters by Oxidative Coupling with Biomimetic Catalysis. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4896-4901.	4.6	14
48	Characteristics of molecular size fractions of humic substances derived from oxidized coal. <i>Chemosphere</i> , 1992, 24, 1381-1387.	4.2	13
49	Composition and seasonal variation of soluble cuticular waxes in <i>Actinidia deliciosa</i> leaves. <i>Natural Product Research</i> , 2006, 20, 701-709.	1.0	13
50	Electromagnetic induction (EMI) measurements as a proxy of earthworm presence in Southern French vineyards. <i>Applied Soil Ecology</i> , 2012, 61, 76-84.	2.1	12
51	HRMAS-NMR metabolomics of Aglianicone grapes pulp to evaluate terroir and vintage effects, and, as assessed by the electromagnetic induction (EMI) technique, spatial variability of vineyard soils. <i>Food Chemistry</i> , 2019, 283, 215-223.	4.2	12
52	MY SIRR: Minimalist agro-hydrological model for Sustainable Irrigation management – Soil moisture and crop dynamics. <i>SoftwareX</i> , 2017, 6, 107-117.	1.2	11
53	Composting as Manure Disposal Strategy in Small/Medium-Size Livestock Farms: Some Demonstrations with Operative Indications. <i>Sustainability</i> , 2020, 12, 3315.	1.6	11
54	Changes in composition and activity of soil microbial communities in peach and kiwifruit Mediterranean orchards under an innovative management system. <i>Soil Research</i> , 2010, 48, 266.	0.6	11

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55	GROWTH AND YIELD IN IRRIGATED AND NON-IRRIGATED OLIVE TREES CULTIVAR CORATINA OVER FOUR YEARS AFTER PLANTING. <i>Acta Horticulturae</i> , 1997, , 75-82.	0.1	10
56	Variability of total soil respiration in a Mediterranean vineyard. <i>Soil Research</i> , 2015, 53, 531.	0.6	8
57	Effects of Organic Additives on Chemical, Microbiological and Plant Pathogen Suppressive Properties of Aerated Municipal Waste Compost Teas. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7402.	1.3	7
58	The Stable Isotopes Approach to Study C and N Sequestration Processes in a Plant-Soil System. , 2012, , 107-144.		7
59	Electromagnetic induction: A support tool for the evaluation of soil CO <sub>2</sub> emissions and soil organic carbon content in olive orchards under semi-arid conditions. <i>Geoderma</i> , 2016, 264, 188-194.	2.3	6
60	Suitability of On-Farm Green Compost for the Production of Baby Leaf Species. <i>Horticulturae</i> , 2021, 7, 512.	1.2	6
61	ORCHARD MANAGEMENT TO PRESERVE SOIL FERTILITY AND IMPROVE THE EFFICIENCY OF WATER AND MINERAL RESOURCES. <i>Acta Horticulturae</i> , 2006, , 611-618.	0.1	5
62	In situ detection of tree root distribution and biomass by multielectrode resistivity imaging. <i>Tree Physiology</i> , 2008, 28, 1441-1448.	1.4	5
63	Supply of agricultural biomass residues for on-farm composting: a cross-analysis of relevant data sets for the most sustainable management combination. <i>Agroecology and Sustainable Food Systems</i> , 2021, 45, 134-156.	1.0	5
64	CALCIUM ABSORPTION AND DISTRIBUTION IN MATURE KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 2003, , 331-334.	0.1	5
65	GREEN MANURE PLANT BIOMASS EVALUATION AND TOTAL MINERAL NITROGEN IN THE SOIL OF A PEACH ORCHARD SYSTEM. <i>Acta Horticulturae</i> , 1998, , 579-586.	0.1	4
66	Application of the environmental impact assessment to medicinal plants cultivation and drying in a hilly area of Campania Region (Southern Italy). <i>Italian Journal of Agronomy</i> , 2020, 15, 48-56.	0.4	3
67	Evidence of reduced poly-B-hydroxybutyrate biosynthesis in free-living nitrogen-fixing bacteria, <i>Azotobacter chroococcum</i> , following acquired resistance to the fungicide captan. <i>Science of the Total Environment</i> , 1992, 123-124, 361-375.	3.9	2
68	Carbon sequestration potential of Italian orchards and vineyards. <i>Acta Horticulturae</i> , 2017, , 145-150.	0.1	2
69	GEO-ELECTRICAL SURVEY ON THE SOIL OF AN APRICOT ORCHARD GROWN UNDER SEMI-ARID CONDITIONS. <i>Acta Horticulturae</i> , 2010, , 425-428.	0.1	2