

# Giuseppe Concheri

## List of Publications by Year in descending order

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73  
papers

1,986  
citations

331670

21  
h-index

265206

42  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil organic matter mobilization by root exudates. <i>Chemosphere</i> , 2000, 41, 653-658.	8.2	181
2	Structural characteristics of humic substances as related to nitrate uptake and growth regulation in plant systems. <i>Soil Biology and Biochemistry</i> , 1992, 24, 373-380.	8.8	180
3	Macromolecular changes of humic substances induced by interaction with organic acids. <i>European Journal of Soil Science</i> , 1996, 47, 319-328.	3.9	154
4	Micelle-like conformation of humic substances as revealed by size exclusion chromatography. <i>Chemosphere</i> , 1996, 33, 595-602.	8.2	145
5	Root morphological and molecular responses induced by microalgae extracts in sugar beet (Beta Tj ETQq1 1 0.784314 rgBT/Overlock)	2.8	103
6	Direct 16S rRNA-seq from bacterial communities: a PCR-independent approach to simultaneously assess microbial diversity and functional activity potential of each taxon. <i>Scientific Reports</i> , 2016, 6, 32165.	3.3	90
7	Nitrate uptake and ATPase activity in oat seedlings in the presence of two humic fractions. <i>Soil Biology and Biochemistry</i> , 1991, 23, 833-836.	8.8	83
8	Soil humic compounds and microbial communities in six spruce forests as function of parent material, slope aspect and stand age. <i>Plant and Soil</i> , 2009, 315, 47-65.	3.7	81
9	A First Attempt to Produce Proteins from Insects by Means of a Circular Economy. <i>Animals</i> , 2019, 9, 278.	2.3	69
10	Effect of earthworm humic substances on esterase and peroxidase activity during growth of leaf explants of <i>Nicotiana plumbaginifolia</i> . <i>Biology and Fertility of Soils</i> , 1993, 15, 127-131.	4.3	67
11	Accumulation and Distribution Pattern of Macro- and Microelements and Trace Elements in <i>Vitis vinifera</i> L. cv. Chardonnay Berries. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7224-7236.	5.2	49
12	Sustainability of the Sugar Beet Crop. <i>Sugar Tech</i> , 2019, 21, 703-716.	1.8	49
13	Effect of molecular complexity and acidity of earthworm faeces humic fractions on glutamate dehydrogenase, glutamine synthetase, and phosphoenolpyruvate carboxylase in <i>Daucus carota</i> ? II cells. <i>Biology and Fertility of Soils</i> , 1996, 22, 83-88.	4.3	45
14	Humusica 1, article 5: Terrestrial humus systems and forms " Keys of classification of humus systems and forms. <i>Applied Soil Ecology</i> , 2018, 122, 75-86.	4.3	45
15	The Pignola-Abriola section (southern Apennines, Italy): a new GSSP candidate for the base of the Rhaetian Stage. <i>Lethaia</i> , 2016, 49, 287-306.	1.4	43
16	Chemical Elemental Distribution and Soil DNA Fingerprints Provide the Critical Evidence in Murder Case Investigation. <i>PLoS ONE</i> , 2011, 6, e20222.	2.5	42
17	Microbiological Features and Bioactivity of a Fermented Manure Product (Preparation 500) Used in Biodynamic Agriculture. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 644-651.	2.1	40
18	Soil organic matter mobilization by root exudates of three maize hybrids. <i>Chemosphere</i> , 1997, 35, 2237-2244.	8.2	32

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19	The Late Triassic Extinction at the Norian/Rhaetian boundary: Biotic evidence and geochemical signature. <i>Earth-Science Reviews</i> , 2020, 204, 103180.	9.1	32
20	Innovative Approaches to Evaluate Sugar Beet Responses to Changes in Sulfate Availability. <i>Frontiers in Plant Science</i> , 2018, 9, 14.	3.6	29
21	Application of anaerobic dynamic membrane bioreactor (AnDMBR) for the successful enrichment of Anammox bacteria using mixed anaerobic and aerobic seed sludge. <i>Bioresource Technology</i> , 2018, 266, 532-540.	9.6	23
22	Effects of different concentrations of glyphosate (Roundup 360 <sup>®</sup> ) on earthworms ( <i>Octodrilus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Italy. <i>Applied Soil Ecology</i> , 2018, 123, 802-808.	4.3	21
23	Land Use Affects the Soil C Sequestration in Alpine Environment, NE Italy. <i>Forests</i> , 2017, 8, 197.	2.1	20
24	Molecular and Morphological Changes Induced by Leonardite-based Biostimulant in <i>Beta vulgaris</i> L.. <i>Plants</i> , 2019, 8, 181.	3.5	20
25	Root rot symptoms in sugar beet lines caused by <i>Fusarium oxysporum</i> f. sp. <i>betae</i> . <i>European Journal of Plant Pathology</i> , 2018, 150, 589-593.	1.7	18
26	The effects of humic substances within the Ah horizon of a Calcic Luvisol on morphological changes related to invertase and peroxidase activities in wheat roots. <i>Plant and Soil</i> , 1996, 179, 65-72.	3.7	15
27	A New foodweb based on microbes in calcitic caves: The <i>Cansiliella</i> (Beetles) case in Northern Italy. <i>International Journal of Speleology</i> , 2011, 40, 45-52.	1.0	15
28	High-Throughput RAD-SNP Genotyping for Characterization of Sugar Beet Genotypes. <i>Plant Molecular Biology Reporter</i> , 2013, 32, 691.	1.8	15
29	Importance of large, deep-burrowing and anecic earthworms in forested and cultivated areas (vineyards) of northeastern Italy. <i>Applied Soil Ecology</i> , 2018, 123, 751-774.	4.3	15
30	Long term evaluation of field-released genetically modified rhizobia. <i>Environmental Biosafety Research</i> , 2007, 6, 167-181.	1.1	13
31	Enhanced degradation of ammonium-pretreated wheat straw by lignocellulolytic <i>Streptomyces</i> spp.. <i>Canadian Journal of Microbiology</i> , 1992, 38, 1022-1025.	1.7	12
32	Amino acids of Proterozoic and Ordovician sulphide-coated grains from western Canada: Record of biologically-mediated pyrite precipitation. <i>Chemical Geology</i> , 1994, 111, 1-15.	3.3	12
33	A unique midgut-associated bacterial community hosted by the cave beetle <i>Cansiliella servadeii</i> (Coleoptera: Leptodirini) reveals parallel phylogenetic divergences from universal gut-specific ancestors. <i>BMC Microbiology</i> , 2013, 13, 129.	3.3	11
34	Molecular markers for improving control of soil-borne pathogen <i>Fusarium oxysporum</i> in sugar beet. <i>Euphytica</i> , 2017, 213, 1.	1.2	11
35	Novel Effects of Leonardite-Based Applications on Sugar Beet. <i>Frontiers in Plant Science</i> , 2021, 12, 646025.	3.6	11
36	Barcoding <i>Eophila crodabepis</i> sp. nov. (Annelida, Oligochaeta, Lumbricidae), a Large Stripy Earthworm from Alpine Foothills of Northeastern Italy Similar to <i>Eophila tellinii</i> (Rosa, 1888). <i>PLoS ONE</i> , 2016, 11, e0151799.	2.5	11

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37	Targeted Next-Generation Sequencing Identification of Mutations in Disease Resistance Gene Analogs (RGAs) in Wild and Cultivated Beets. <i>Genes</i> , 2017, 8, 264.	2.4	10
38	Weed Seed Decay in No-Till Field and Planted Riparian Buffer Zone. <i>Plants</i> , 2020, 9, 293.	3.5	10
39	Shovel roots: a unique stress-avoiding developmental strategy of the legume plant <i>Hedysarum coronarium</i> L.. <i>Plant and Soil</i> , 2009, 322, 25-37.	3.7	9
40	Dynamics of soil prokaryotes catalyzing nitrification and denitrification in response to different fertilizers in a greenhouse experiment with <i>Cynodon dactylon</i> . <i>European Journal of Soil Biology</i> , 2016, 76, 83-91.	3.2	9
41	Tree colonization by the Asian longhorn beetle, <i>Anoplophora glabripennis</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 107	3.0	9
42	Rapid peat accumulation favours the occurrence of both fen and bog microbial communities within a Mediterranean, free-floating peat island. <i>Scientific Reports</i> , 2017, 7, 8511.	3.3	9
43	A SNP mutation affects rhizomania-virus content of sugar beets grown on resistance-breaking soils. <i>Euphytica</i> , 2018, 214, 1.	1.2	9
44	Transcriptional and Physiological Analyses to Assess the Effects of a Novel Biostimulant in Tomato. <i>Frontiers in Plant Science</i> , 2021, 12, 781993.	3.6	9
45	Characteristics of Compost Obtained from Winemaking Byproducts. <i>Waste and Biomass Valorization</i> , 2018, 9, 2021-2029.	3.4	8
46	High-Throughput Isolation of Nucleic Acids from Soil. <i>Soil Systems</i> , 2020, 4, 3.	2.6	7
47	SNP Alleles Associated With Low Bolting Tendency in Sugar Beet. <i>Frontiers in Plant Science</i> , 2021, 12, 693285.	3.6	7
48	Soil biological and biochemical traits linked to nutritional status in grapevine. <i>Journal of Soil Science and Plant Nutrition</i> , 2014, , 0-0.	3.4	6
49	Expression Profiling of Candidate Genes in Sugar Beet Leaves Treated with Leonardite-Based Biostimulant. <i>High-Throughput</i> , 2019, 8, 18.	4.4	6
50	Microbial Diversity of Reconstituted, Degraded, and Agricultural Soils Assessed by 16S rDNA Multi-Amplicon Sequencing. <i>Frontiers in Environmental Science</i> , 2022, 9, .	3.3	6
51	Development of an SNP Assay for Marker-Assisted Selection of Soil-Borne <i>Rhizoctonia solani</i> AG-2-2-IIIB Resistance in Sugar Beet. <i>Biology</i> , 2022, 11, 49.	2.8	6
52	COMPOST APPLICATION IN THE VINEYARD AND ITS INFLUENCE ON SOIL CHARACTERISTICS, VEGETATIVE AND PRODUCTIVE BEHAVIOUR OF GRAPEVINE. <i>Acta Horticulturae</i> , 2012, , 437-444.	0.2	5
53	Sugar Beet Yield and Processing Quality in Relation to Nitrogen Content and Microbiological Diversity of Deep Soil Layer. <i>Sugar Tech</i> , 2016, 18, 67-74.	1.8	5
54	Pangenomics of the Symbiotic Rhizobiales. Core and Accessory Functions Across a Group Endowed with High Levels of Genomic Plasticity. <i>Microorganisms</i> , 2021, 9, 407.	3.6	5

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55	Endophytic Microbiome Responses to Sulfur Availability in Beta Vulgaris (L.). International Journal of Molecular Sciences, 2021, 22, 7184.	4.1	5
56	An application of EDXRF on the study of barley seedlings growth on sewage sludge. Biological Trace Element Research, 1993, 36, 209-218.	3.5	4
57	The nutrient-primed incremented substrate degradation principle. A novel method and an automated tool to assess and correct agricultural soil deficiencies to optimize its fertility and crop productivity. Applied Soil Ecology, 2018, 123, 686-692.	4.3	4
58	Mass spectrometry-based metabolomic discrimination of Cercospora leaf spot resistant and susceptible sugar beet germplasms. Euphytica, 2019, 215, 1.	1.2	4
59	Wood-Based Compost Affects Soil Fertility and the Content of Available Forms of Nutrients in Vineyard and Field-Scale Agroecosystems. Agronomy, 2021, 11, 518.	3.0	4
60	Characterization of bacterial communities isolated from municipal waste compost and screening of their plant-interactive phenotypes. Science of the Total Environment, 2022, 806, 150592.	8.0	4
61	Bacterial endophytes as indicators of susceptibility to Cercospora Leaf Spot (CLS) disease in Beta vulgaris L.. Scientific Reports, 2022, 12, .	3.3	4
62	Legumes of the Sardinia Island: Knowledge on Symbiotic and Endophytic Bacteria and Interactive Software Tool for Plant Species Determination. Plants, 2022, 11, 1521.	3.5	4
63	EDXRF study of the effects of Cr on the growth of barley seedlings. X-Ray Spectrometry, 1993, 22, 332-337.	1.4	3
64	The Norian "chaotic carbon interval": New clues from the $^{13}\text{C}$ record of the Lagonegro Basin (southern Italy). , 0, , GES01459.1.		3
65	Response of Bacterial Communities upon Application of Different Innovative Organic Fertilizers in a Greenhouse Experiment Using Low-Nutrient Soil Cultivated with Cynodon dactylon. Soil Systems, 2018, 2, 52.	2.6	3
66	Fertimetro, a Principle and Device to Measure Soil Nutrient Availability for Plants by Microbial Degradation Rates on Differently-Spiked Buried Threads. Soil Systems, 2019, 3, 3.	2.6	2
67	Effect of molecular complexity and acidity of earthworm faeces humic fractions on glutamate dehydrogenase, glutamine synthetase, and phosphoenolpyruvate carboxylase in Daucus carota ? II cells. Biology and Fertility of Soils, 1996, 22, 83-88.	4.3	2
68	Quantification of rhizomania virus by automated RNA isolation and PCR based methods in sugar beet. VirusDisease, 2021, 32, 161-166.	2.0	1
69	The hidden layers of microbial community structure: extracting the concealed diversity dimensions from our sequencing data. FEMS Microbiology Letters, 2020, 367, .	1.8	1
70	Gruppo VII Nutrizione Minerale Micorrize. Giornale Botanico Italiano (Florence, Italy: 1962), 1990, 124, 185-203.	0.0	0
71	Metabolismo Ed Enzimologia. Giornale Botanico Italiano (Florence, Italy: 1962), 1994, 128, 521-573.	0.0	0
72	Cheap and portable lab-free respiration assay. Applied Soil Ecology, 2018, 123, 797-801.	4.3	0

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73	Albarella Future "Zero Carbon Emission. , 2020, , .		0