

Edoardo Puglisi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

2,242
citations

27
h-index

44
g-index

100
ext. papers

2,840
ext. citations

5.6
avg, IF

5
L-index

#	Paper	IF	Citations
92	Soil enzymology: classical and molecular approaches. <i>Biology and Fertility of Soils</i> , 2012 , 48, 743-762	6.1	376
91	Bacterial diversity in typical Italian salami at different ripening stages as revealed by high-throughput sequencing of 16S rRNA amplicons. <i>Food Microbiology</i> , 2015 , 46, 342-356	6	157
90	Bioavailability and degradation of phenanthrene in compost amended soils. <i>Chemosphere</i> , 2007 , 67, 5485-5496	5.6	96
89	Development and validation of numerical indexes integrating enzyme activities of soils. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1673-1681	7.5	95
88	Soil bacterial diversity screening using single 16S rRNA gene V regions coupled with multi-million read generating sequencing technologies. <i>PLoS ONE</i> , 2012 , 7, e42671	3.7	67
87	Monitoring tricyclazole residues in rice paddy watersheds. <i>Chemosphere</i> , 2006 , 62, 303-14	8.4	61
86	Understanding the bacterial communities of hard cheese with blowing defect. <i>Food Microbiology</i> , 2015 , 52, 106-18	6	58
85	Changes in chemical and biological soil properties as induced by anthropogenic disturbance: A case study of an agricultural soil under recurrent flooding by wastewaters. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 2069-2080	7.5	51
84	Infant Early Gut Colonization by Lachnospiraceae: High Frequency of Ruminococcus gnavus. <i>Frontiers in Pediatrics</i> , 2016 , 4, 57	3.4	48
83	Changes in soil bacterial communities and diversity in response to long-term silver exposure. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	47
82	Effects of a humic acid and its size-fractions on the bacterial community of soil rhizosphere under maize (<i>Zea mays</i> L.). <i>Chemosphere</i> , 2009 , 77, 829-37	8.4	45
81	Gut microbiota profile in systemic sclerosis patients with and without clinical evidence of gastrointestinal involvement. <i>Scientific Reports</i> , 2017 , 7, 14874	4.9	42
80	Microbial analyses of traditional Italian salami reveal microorganisms transfer from the natural casing to the meat matrix. <i>International Journal of Food Microbiology</i> , 2015 , 207, 57-65	5.8	41
79	Selective bacterial colonization processes on polyethylene waste samples in an abandoned landfill site. <i>Scientific Reports</i> , 2019 , 9, 14138	4.9	40
78	Carbon deposition in soil rhizosphere following amendments with compost and its soluble fractions, as evaluated by combined soil-plant rhizobox and reporter gene systems. <i>Chemosphere</i> , 2008 , 73, 1292-9	8.4	40
77	Rhizosphere microbial diversity as influenced by humic substance amendments and chemical composition of rhizodeposits. <i>Journal of Geochemical Exploration</i> , 2013 , 129, 82-94	3.8	36
76	A soil alteration index based on phospholipid fatty acids. <i>Chemosphere</i> , 2005 , 61, 1548-57	8.4	35

75	Microbial ecology involved in the ripening of naturally fermented llama meat sausages. A focus on lactobacilli diversity. <i>International Journal of Food Microbiology</i> , 2016 , 236, 17-25	5.8	35
74	Protease encoding microbial communities and protease activity of the rhizosphere and bulk soils of two maize lines with different N uptake efficiency. <i>Soil Biology and Biochemistry</i> , 2016 , 96, 176-179	7.5	32
73	Comparing natural and selected starter cultures in meat and cheese fermentations. <i>Current Opinion in Food Science</i> , 2015 , 2, 118-122	9.8	31
72	Impact of fungicides on the diversity and function of non-target ammonia-oxidizing microorganisms residing in a litter soil cover. <i>Microbial Ecology</i> , 2012 , 64, 692-701	4.4	31
71	Molecular and Microbiological Insights on the Enrichment Procedures for the Isolation of Petroleum Degrading Bacteria and Fungi. <i>Frontiers in Microbiology</i> , 2018 , 9, 2543	5.7	31
70	Detailed analyses of the bacterial populations in processed cocoa beans of different geographic origin, subject to varied fermentation conditions. <i>International Journal of Food Microbiology</i> , 2016 , 236, 98-106	5.8	30
69	Cholesterol, beta-sitosterol, ergosterol, and coprostanol in agricultural soils. <i>Journal of Environmental Quality</i> , 2003 , 32, 466-71	3.4	30
68	Extraction and bioanalysis of the ecotoxicologically relevant fraction of contaminants in sediments. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 2122-8	3.8	29
67	Effects of geographic area, feedstock, temperature, and operating time on microbial communities of six full-scale biogas plants. <i>Bioresource Technology</i> , 2016 , 218, 980-90	11	28
66	Transcriptome analysis of <i>Bacillus thuringiensis</i> spore life, germination and cell outgrowth in a vegetable-based food model. <i>Food Microbiology</i> , 2016 , 55, 73-85	6	27
65	Effect of air-drying treatment on enzymatic activities of soils affected by anthropogenic activities. <i>Biology and Fertility of Soils</i> , 2003 , 38, 327-332	6.1	26
64	Soil microbial diversity patterns of a lowland spring environment. <i>FEMS Microbiology Ecology</i> , 2013 , 86, 172-84	4.3	25
63	Modulation of microbial consortia enriched from different polluted environments during petroleum biodegradation. <i>Biodegradation</i> , 2018 , 29, 187-209	4.1	23
62	Blame It on the Metabolite: 3,5-Dichloroaniline Rather than the Parent Compound Is Responsible for the Decreasing Diversity and Function of Soil Microorganisms. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	22
61	Effective carbon sequestration in Italian agricultural soils by in situ polymerization of soil organic matter under biomimetic photocatalysis. <i>Land Degradation and Development</i> , 2018 , 29, 485-494	4.4	21
60	Response of ammonia oxidizing bacteria and archaea to acute zinc stress and different moisture regimes in soil. <i>Microbial Ecology</i> , 2012 , 64, 1028-37	4.4	21
59	Relative sensitivity of different soil biological properties to zinc. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1798-1807	7.5	21
58	<i>Bifidobacterium primatum</i> sp. nov., <i>Bifidobacterium scaligerum</i> sp. nov., <i>Bifidobacterium felsineum</i> sp. nov. and <i>Bifidobacterium simiarum</i> sp. nov.: Four novel taxa isolated from the faeces of the cotton top tamarin (<i>Saguinus oedipus</i>) and the emperor tamarin (<i>Saguinus imperator</i>). <i>Systematic and Applied Microbiology</i> , 2019 , 41, 599-609	4.2	21

57	Fate of Biodegradable Polymers Under Industrial Conditions for Anaerobic Digestion and Aerobic Composting of Food Waste. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 2539-2550	4.5	20
56	Adaptation of Soil Microorganisms to Trace Element Contamination: A Review of Mechanisms, Methodologies, and Consequences for Risk Assessment and Remediation. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 2435-2470	11.1	20
55	Prebiotic supplementation over a cold season and during antibiotic treatment specifically modulates the gut microbiota composition of 3-6 year-old children. <i>Beneficial Microbes</i> , 2019 , 10, 253-263	4.9	20
54	Biodiversity and technological-functional potential of lactic acid bacteria isolated from spontaneously fermented chia sourdough. <i>International Journal of Food Microbiology</i> , 2020 , 316, 108425	5.8	19
53	High-throughput assessment of bacterial ecology in hog, cow and ovine casings used in sausages production. <i>International Journal of Food Microbiology</i> , 2015 , 212, 49-59	5.8	18
52	Bioaccessibility, bioavailability and ecotoxicity of pentachlorophenol in compost amended soils. <i>Chemosphere</i> , 2009 , 77, 80-6	8.4	17
51	Isolation and Screening of Extracellular PGPR from the Rhizosphere of Tomato Plants after Long-Term Reduced Tillage and Cover Crops. <i>Plants</i> , 2020 , 9,	4.5	16
50	Non-exhaustive extraction techniques (NEETs) for bioavailability assessment of organic hydrophobic compounds in soils. <i>Agronomy for Sustainable Development</i> , 2003 , 23, 755-756		16
49	Manganese and iron as structuring parameters of microbial communities in Arctic marine sediments from the Baffin Bay. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	14
48	Draft Genome Sequence of <i>Clostridium tyrobutyricum</i> Strain UC7086, Isolated from Grana Padano Cheese with Late-Blowing Defect. <i>Genome Announcements</i> , 2013 , 1,		14
47	Azadirachtin and trifloxystrobin had no inhibitory effects on key soil microbial functions even at high dose rates. <i>Applied Soil Ecology</i> , 2019 , 137, 29-38	5	13
46	Transcriptional response of <i>Rhodococcus aetherivorans</i> I24 to polychlorinated biphenyl-contaminated sediments. <i>Microbial Ecology</i> , 2010 , 60, 505-15	4.4	12
45	Cholesterol, ßsitosterol, Ergosterol, and Coprostanol in Agricultural Soils 2003 , 32, 466		12
44	Characterization of <i>Bifidobacterium</i> species in feaces of the Egyptian fruit bat: Description of <i>B. vespertilionis</i> sp. nov. and <i>B. rousetti</i> sp. nov. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 126017	4.2	11
43	Changes in bacterial and archaeal community assemblages along an ombrotrophic peat bog profile. <i>Biology and Fertility of Soils</i> , 2014 , 50, 815-826	6.1	11
42	Bacterial diversity in a contaminated Alpine glacier as determined by culture-based and molecular approaches. <i>Science of the Total Environment</i> , 2014 , 497-498, 50-59	10.2	11
41	Sustainability Perspectives of <i>L. Walp.</i> Cultivation under No Tillage and Water Stress Conditions. <i>Plants</i> , 2019 , 9,	4.5	11
40	Sub-Lethal Effects of Pesticides on the DNA of Soil Organisms as Early Ecotoxicological Biomarkers. <i>Frontiers in Microbiology</i> , 2020 , 11, 1892	5.7	11

39	Ecology of antibiotic resistant coagulase-negative staphylococci isolated from the production chain of a typical Italian salami. <i>Food Control</i> , 2015 , 53, 14-22	6.2	10
38	Response of microbial organisms (aquatic and terrestrial) to pesticides. <i>EFSA Supporting Publications</i> , 2012 , 9, 359E	1.1	10
37	Low density polyethylene degradation by filamentous fungi. <i>Environmental Pollution</i> , 2021 , 274, 1165489.3	9.3	10
36	Potential role of microbiome in Chronic Fatigue Syndrome/Myalgic Encephalomyelitis (CFS/ME). <i>Scientific Reports</i> , 2021 , 11, 7043	4.9	9
35	Bioaugmented Phytoremediation of Metal-Contaminated Soils and Sediments by Hemp and Giant Reed. <i>Frontiers in Microbiology</i> , 2021 , 12, 645893	5.7	9
34	Soil monitoring of pentachlorophenol by bioavailability and ecotoxicity measurements. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 1575-81		6
33	Genome Sequence of <i>Acidovorax avenae</i> Strain T10_61 Associated with Sugarcane Red Stripe in Argentina. <i>Genome Announcements</i> , 2016 , 4,		6
32	Butyric acid producing clostridia in cheese ¶Towards the completion of knowledge by means of an amalgamate of methodologies. <i>International Dairy Journal</i> , 2018 , 86, 86-95	3.5	5
31	Biopolymers modulate microbial communities in municipal organic waste digestion. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	5
30	Bacterial community profiling of floating plastics from South Mediterranean sites: First evidence of effects on mussels as possible vehicles of transmission. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125079	12.8	5
29	Fermentation as a tool for increasing food security and nutritional quality of indigenous African leafy vegetables: the case of <i>Cucurbita</i> sp. <i>Food Microbiology</i> , 2021 , 99, 103820	6	5
28	Potential nitrification, nitrate reductase, and βgalactosidase activities as indicators of restoration of ecological functions in a Zn-contaminated soil. <i>Biology and Fertility of Soils</i> , 2012 , 48, 923-931	6.1	4
27	Effects of Methods of Carbon Sequestration in Soil on Biochemical Indicators of Soil Quality 2012 , 179-207		4
26	Reducing N Fertilization without Yield Penalties in Maize with a Commercially Available Seed Dressing. <i>Agronomy</i> , 2021 , 11, 407	3.6	4
25	Genome Sequence of <i>Azospirillum brasilense</i> REC3, Isolated from Strawberry Plants. <i>Genome Announcements</i> , 2018 , 6,		4
24	Nitrogen use efficiency, rhizosphere bacterial community and root metabolome reprogramming due to maize seed treatment with microbial biostimulants.. <i>Physiologia Plantarum</i> , 2022 , e13679	4.6	4
23	Draft Genome Sequence of Vancomycin-Heteroresistant <i>Staphylococcus epidermidis</i> Strain UC7032, Isolated from Food. <i>Genome Announcements</i> , 2013 , 1,		3
22	Conformational Distribution of Dissolved Organic Matter Released from Compost by Repeated Water Extractions. <i>Compost Science and Utilization</i> , 2010 , 18, 105-110	1.2	3

21	Integrated Phenotypic-Genotypic Analysis of Candidate Probiotic <i>Weissella Cibaria</i> Strains Isolated from Dairy Cows in Kuwait. <i>Probiotics and Antimicrobial Proteins</i> , 2021 , 13, 809-823	5.5	3
20	Integrated Genomic and Greenhouse Assessment of a Novel Plant Growth-Promoting Rhizobacterium for Tomato Plant. <i>Frontiers in Plant Science</i> , 2021 , 12, 660620	6.2	3
19	Acute and chronic effects of Titanium dioxide (TiO) PM on honey bee gut microbiota under laboratory conditions. <i>Scientific Reports</i> , 2021 , 11, 5946	4.9	3
18	Description of chemical and biological soil characteristics of two fields subjected to different agricultural management under mediterranean conditions. <i>Italian Journal of Agronomy</i> , 2006 , 1, 379	1.4	2
17	The treatment of the organic fraction of municipal solid waste (OFMSW) as a possible source of micro- and nano-plastics and bioplastics in agroecosystems: a review. <i>Chemical and Biological Technologies in Agriculture</i> , 2022 , 9,	4.4	2
16	<i>Enterococcus faecalis</i> and <i>Vibrio harveyi</i> colonize low-density polyethylene and biodegradable plastics under marine conditions. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	2
15	The hidden effects of agrochemicals on plant metabolism and root-associated microorganisms. <i>Plant Science</i> , 2021 , 311, 111012	5.3	2
14	Draft Genome Sequences of Strains TRE 1, TRE D, TRE H, and TRI 7, Isolated from Tamarins and Belonging to Four Putative Novel Species. <i>Genome Announcements</i> , 2018 , 6,		1
13	Epiphytic Microbial Community and Post-Harvest Characteristics of Strawberry Fruits as Affected by Plant Nutritional Regime with Silicon. <i>Agronomy</i> , 2021 , 11, 2407	3.6	1
12	Land-use change affects the diversity and functionality of soil bacterial communities in semi-arid Chaco region, Argentina. <i>Applied Soil Ecology</i> , 2022 , 172, 104362	5	1
11	Pedosedimentary and microbial investigation of a karst sequence record. <i>Science of the Total Environment</i> , 2021 , 151297	10.2	1
10	Bioremediation and Mitigation of Organic Contaminants in the Era of Climate Changes 2012 , 467-485		1
9	Silvopastoral systems in dry Chaco, Argentina: Impact on soil chemical parameters and bacterial communities. <i>Soil Use and Management</i> , 2020 , 37, 866	3.1	1
8	The extracellular DNA can baffle the assessment of soil bacterial community, but the effect varies with microscale spatial distribution. <i>FEMS Microbiology Letters</i> , 2021 , 368,	2.9	1
7	Lactic Acid Bacteria Strains Differently Modulate Gut Microbiota and Metabolic and Immunological Parameters in High-Fat Diet-Fed Mice. <i>Frontiers in Nutrition</i> , 2021 , 8, 718564	6.2	1
6	Anaerobic digestion and aerobic composting of rigid biopolymers in bio-waste treatment: fate and effects on the final compost.. <i>Bioresource Technology</i> , 2022 , 351, 126934	11	1
5	Combining Rhizobox, Reporter Gene Systems, and Molecular Analyses to Assess the Effects of Humic Substances on Plant-Microbes Interactions in Soil Rhizosphere 2013 , 933-942		0
4	Evolution of microbial communities and nutritional content of fermented <i>Amaranthus</i> sp. leaves. <i>International Journal of Food Microbiology</i> , 2021 , 362, 109445	5.8	0

- 3 A model assessing bioavailability of persistent organic pollutants in soil **2005**, 39-49
- 2 Mutations in rpoB sequences of Actinobacteria: a confounding factor in conjugal transfer experiments. *International Journal of Antimicrobial Agents*, **2016**, 47, 105-6 14·3
- 1 Ecotoxicological effects of a synthetic and a natural insecticide on earthworms and soil bacterial community. *Environmental Advances*, **2022**, 8, 100225 3·5