

Edoardo Puglisi

List of Publications by Year in Descending Order

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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	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
91	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
90	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
89	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
88	Ecotoxicological effects of a synthetic and a natural insecticide on earthworms and soil bacterial community. <i>Environmental Advances</i> , 2022 , 8, 100225	3.5	
87	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
86	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
85	Pedosedimentary and microbial investigation of a karst sequence record. <i>Science of the Total Environment</i> , 2021 , 151297	10.2	1
84	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
83	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
82	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
81	Potential role of microbiome in Chronic Fatigue Syndrome/Myalgic Encephalomyelitis (CFS/ME). <i>Scientific Reports</i> , 2021 , 11, 7043	4.9	9
80	Bioaugmented Phytoremediation of Metal-Contaminated Soils and Sediments by Hemp and Giant Reed. <i>Frontiers in Microbiology</i> , 2021 , 12, 645893	5.7	9
79	Low density polyethylene degradation by filamentous fungi. <i>Environmental Pollution</i> , 2021 , 274, 116548	9.3	10
78	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
77	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
76	Reducing N Fertilization without Yield Penalties in Maize with a Commercially Available Seed Dressing. <i>Agronomy</i> , 2021 , 11, 407	3.6	4

75	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
74	The hidden effects of agrochemicals on plant metabolism and root-associated microorganisms. <i>Plant Science</i> , 2021 , 311, 111012	5.3	2
73	Fermentation as a tool for increasing food security and nutritional quality of indigenous African leafy vegetables: the case of Cucurbita sp. <i>Food Microbiology</i> , 2021 , 99, 103820	6	5
72	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
71	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
70	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}	5.8	19
69	Enterococcus faecalis and Vibrio harveyi colonize low-density polyethylene and biodegradable plastics under marine conditions. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	2
68	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
67	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
66	Biopolymers modulate microbial communities in municipal organic waste digestion. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	5
65	Selective bacterial colonization processes on polyethylene waste samples in an abandoned landfill site. <i>Scientific Reports</i> , 2019 , 9, 14138	4.9	40
64	Characterization of Bifidobacterium species in feces of the Egyptian fruit bat: Description of B. vespertilionis sp. nov. and B. rousetti sp. nov. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 126017	4.2	11
63	Sustainability Perspectives of L. Walp. Cultivation under No Tillage and Water Stress Conditions. <i>Plants</i> , 2019 , 9,	4.5	11
62	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
61	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}	4.9	20
60	Modulation of microbial consortia enriched from different polluted environments during petroleum biodegradation. <i>Biodegradation</i> , 2018 , 29, 187-209	4.1	23
59	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
58	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

57	Butyric acid producing clostridia in cheese \rightarrow Towards the completion of knowledge by means of an amalgamate of methodologies. <i>International Dairy Journal</i> , 2018 , 86, 86-95	3.5	5
56	<i>Bifidobacterium primatium</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> , 2018 , 41, 593-603	4.2	21
55	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
54	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
53	Genome Sequence of <i>Azospirillum brasilense</i> REC3, Isolated from Strawberry Plants. <i>Genome Announcements</i> , 2018 , 6,		4
52	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
51	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
50	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
49	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
48	Infant Early Gut Colonization by Lachnospiraceae: High Frequency of <i>Ruminococcus gnavus</i> . <i>Frontiers in Pediatrics</i> , 2016 , 4, 57	3.4	48
47	Genome Sequence of <i>Acidovorax avenae</i> Strain T10_61 Associated with Sugarcane Red Stripe in Argentina. <i>Genome Announcements</i> , 2016 , 4,		6
46	Mutations in <i>rpoB</i> sequences of Actinobacteria: a confounding factor in conjugal transfer experiments. <i>International Journal of Antimicrobial Agents</i> , 2016 , 47, 105-6	14.3	
45	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
44	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
43	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
42	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
41	Understanding the bacterial communities of hard cheese with blowing defect. <i>Food Microbiology</i> , 2015 , 52, 106-18	6	58
40	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

39	Changes in soil bacterial communities and diversity in response to long-term silver exposure. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	47
38	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
37	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
36	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
35	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
34	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
33	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
32	Soil microbial diversity patterns of a lowland spring environment. <i>FEMS Microbiology Ecology</i> , 2013 , 86, 172-84	4.3	25
31	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
30	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
29	Draft Genome Sequence of Vancomycin-Heteroresistant <i>Staphylococcus epidermidis</i> Strain UC7032, Isolated from Food. <i>Genome Announcements</i> , 2013 , 1,		3
28	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
27	Potential nitrification, nitrate reductase, and galactosidase 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
26	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
25	Effects of Methods of Carbon Sequestration in Soil on Biochemical Indicators of Soil Quality 2012 , 179-207		4
24	Soil enzymology: classical and molecular approaches. <i>Biology and Fertility of Soils</i> , 2012 , 48, 743-762	6.1	376
23	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
22	Response of microbial organisms (aquatic and terrestrial) to pesticides. <i>EFSA Supporting Publications</i> , 2012 , 9, 359E	1.1	10

21	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
20	Bioremediation and Mitigation of Organic Contaminants in the Era of Climate Changes 2012 , 467-485		1
19	Relative sensitivity of different soil biological properties to zinc. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 1798-1807	7.5	21
18	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
17	Soil monitoring of pentachlorophenol by bioavailability and ecotoxicity measurements. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 1575-81		6
16	Transcriptional response of <i>Rhodococcus aetherivorans</i> I24 to polychlorinated biphenyl-contaminated sediments. <i>Microbial Ecology</i> , 2010 , 60, 505-15	4.4	12
15	Bioaccessibility, bioavailability and ecotoxicity of pentachlorophenol in compost amended soils. <i>Chemosphere</i> , 2009 , 77, 80-6	8.4	17
14	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
13	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
12	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
11	Bioavailability and degradation of phenanthrene in compost amended soils. <i>Chemosphere</i> , 2007 , 67, 5485-9	8.4	96
10	Development and validation of numerical indexes integrating enzyme activities of soils. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 1673-1681	7.5	95
9	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
8	Monitoring tricyclazole residues in rice paddy watersheds. <i>Chemosphere</i> , 2006 , 62, 303-14	8.4	61
7	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
6	A soil alteration index based on phospholipid fatty acids. <i>Chemosphere</i> , 2005 , 61, 1548-57	8.4	35
5	A model assessing bioavailability of persistent organic pollutants in soil 2005 , 39-49		
4	Cholesterol, beta-sitosterol, ergosterol, and coprostanol in agricultural soils. <i>Journal of Environmental Quality</i> , 2003 , 32, 466-71	3.4	30

3	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
2	Cholesterol, Sitosterol, Ergosterol, and Coprostanol in Agricultural Soils 2003 , 32, 466		12
1	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