

# Edoardo Puglisi

## List of Publications by Year in descending order

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95  
papers

3,314  
citations

147566

31  
h-index

168136

53  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of microbial communities and nutritional content of fermented <i>Amaranthus</i> sp. leaves. <i>International Journal of Food Microbiology</i> , 2022, 362, 109445.	2.1	3
2	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.	2.1	19
3	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, .	1.9	6
4	Nitrogen use efficiency, rhizosphere bacterial community, and root metabolome reprogramming due to maize seed treatment with microbial biostimulants. <i>Physiologia Plantarum</i> , 2022, 174, e13679.	2.6	13
5	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.	4.8	23
6	Ecotoxicological effects of a synthetic and a natural insecticide on earthworms and soil bacterial community. <i>Environmental Advances</i> , 2022, 8, 100225.	2.2	4
7	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.	1.9	8
8	Silvopastoral systems in dry Chaco, Argentina: Impact on soil chemical parameters and bacterial communities. <i>Soil Use and Management</i> , 2021, 37, 866-878.	2.6	5
9	Smallholder Farmers' Practices and African Indigenous Vegetables Affect Soil Microbial Biodiversity and Enzyme Activities in Lake Naivasha Basin, Kenya. <i>Biology</i> , 2021, 10, 44.	1.3	4
10	Reducing N Fertilization without Yield Penalties in Maize with a Commercially Available Seed Dressing. <i>Agronomy</i> , 2021, 11, 407.	1.3	5
11	Integrated Genomic and Greenhouse Assessment of a Novel Plant Growth-Promoting Rhizobacterium for Tomato Plant. <i>Frontiers in Plant Science</i> , 2021, 12, 660620.	1.7	12
12	Acute and chronic effects of Titanium dioxide (TiO <sub>2</sub> ) PM1 on honey bee gut microbiota under laboratory conditions. <i>Scientific Reports</i> , 2021, 11, 5946.	1.6	12
13	Potential role of microbiome in Chronic Fatigue Syndrome/Myalgic Encephalomyelitis (CFS/ME). <i>Scientific Reports</i> , 2021, 11, 7043.	1.6	42
14	Bioaugmented Phytoremediation of Metal-Contaminated Soils and Sediments by Hemp and Giant Reed. <i>Frontiers in Microbiology</i> , 2021, 12, 645893.	1.5	28
15	Low density polyethylene degradation by filamentous fungi. <i>Environmental Pollution</i> , 2021, 274, 116548.	3.7	52
16	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, .	0.7	4
17	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.	6.5	13
18	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.	1.6	14

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19	The hidden effects of agrochemicals on plant metabolism and root-associated microorganisms. <i>Plant Science</i> , 2021, 311, 111012.	1.7	17
20	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.	2.1	18
21	Combined Impact of No-Till and Cover Crops with or without Short-Term Water Stress as Revealed by Physicochemical and Microbiological Indicators. <i>Biology</i> , 2021, 10, 23.	1.3	4
22	Pedosedimentary and microbial investigation of a karst sequence record. <i>Science of the Total Environment</i> , 2021, , 151297.	3.9	1
23	Epiphytic Microbial Community and Post-Harvest Characteristics of Strawberry Fruits as Affected by Plant Nutritional Regime with Silicon. <i>Agronomy</i> , 2021, 11, 2407.	1.3	2
24	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.	2.1	32
25	Sustainability Perspectives of <i>Vigna unguiculata</i> L. Walp. Cultivation under No Tillage and Water Stress Conditions. <i>Plants</i> , 2020, 9, 48.	1.6	19
26	<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, .	0.7	10
27	Sub-Lethal Effects of Pesticides on the DNA of Soil Organisms as Early Ecotoxicological Biomarkers. <i>Frontiers in Microbiology</i> , 2020, 11, 1892.	1.5	26
28	Biopolymers modulate microbial communities in municipal organic waste digestion. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	17
29	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, 668.	1.6	27
30	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.	2.4	49
31	Selective bacterial colonization processes on polyethylene waste samples in an abandoned landfill site. <i>Scientific Reports</i> , 2019, 9, 14138.	1.6	77
32	Characterization of <i>Bifidobacterium</i> species in faeces of the Egyptian fruit bat: Description of <i>B. vespertilionis</i> sp. nov. and <i>B. roussetti</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2019, 42, 126017.	1.2	22
33	Genome Sequence Announcement of <i>Lactobacillus vaginalis</i> LMG S-26419, Isolated from a Healthy Woman. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	0
34	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.	2.1	17
35	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.	1.0	26
36	Modulation of microbial consortia enriched from different polluted environments during petroleum biodegradation. <i>Biodegradation</i> , 2018, 29, 187-209.	1.5	30

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37	Draft Genome Sequences of Strains TRE 1, TRE D, TRE H, and TRI 7, Isolated from Tamarins and Belonging to Four Putative Novel Bifidobacterium Species. <i>Genome Announcements</i> , 2018, 6, .	0.8	1
38	Effective carbon sequestration in Italian agricultural soils by <i>in situ</i> polymerization of soil organic matter under biomimetic photocatalysis. <i>Land Degradation and Development</i> , 2018, 29, 485-494.	1.8	24
39	<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.	1.2	38
40	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.	1.5	56
41	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, .	1.4	41
42	Genome Sequence of <i>Azospirillum brasilense</i> REC3, Isolated from Strawberry Plants. <i>Genome Announcements</i> , 2018, 6, .	0.8	5
43	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.	1.5	13
44	Gut microbiota profile in systemic sclerosis patients with and without clinical evidence of gastrointestinal involvement. <i>Scientific Reports</i> , 2017, 7, 14874.	1.6	65
45	Infant Early Gut Colonization by Lachnospiraceae: High Frequency of <i>Ruminococcus gnavus</i> . <i>Frontiers in Pediatrics</i> , 2016, 4, 57.	0.9	93
46	Genome Sequence of <i>Acidovorax avenae</i> Strain T10_61 Associated with Sugarcane Red Stripe in Argentina. <i>Genome Announcements</i> , 2016, 4, .	0.8	8
47	Mutations in <i>rpoB</i> sequences of Actinobacteria: a confounding factor in conjugal transfer experiments. <i>International Journal of Antimicrobial Agents</i> , 2016, 47, 105-106.	1.1	0
48	Effects of geographic area, feedstock, temperature, and operating time on microbial communities of six full-scale biogas plants. <i>Bioresource Technology</i> , 2016, 218, 980-990.	4.8	43
49	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.	2.1	47
50	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.	2.1	46
51	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.	4.2	49
52	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.	2.1	28
53	Manganese and iron as structuring parameters of microbial communities in Arctic marine sediments from the Baffin Bay. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	1.3	23
54	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.	2.8	16

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55	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.	2.1	56
56	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.	2.1	26
57	Understanding the bacterial communities of hard cheese with blowing defect. <i>Food Microbiology</i> , 2015, 52, 106-118.	2.1	72
58	Comparing natural and selected starter cultures in meat and cheese fermentations. <i>Current Opinion in Food Science</i> , 2015, 2, 118-122.	4.1	47
59	Changes in soil bacterial communities and diversity in response to long-term silver exposure. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv114.	1.3	67
60	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.	2.1	191
61	Changes in bacterial and archaeal community assemblages along an ombrotrophic peat bog profile. <i>Biology and Fertility of Soils</i> , 2014, 50, 815-826.	2.3	14
62	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.	3.9	12
63	Rhizosphere microbial diversity as influenced by humic substance amendments and chemical composition of rhizodeposits. <i>Journal of Geochemical Exploration</i> , 2013, 129, 82-94.	1.5	54
64	Soil microbial diversity patterns of a lowland spring environment. <i>FEMS Microbiology Ecology</i> , 2013, 86, 172-184.	1.3	29
65	EUROSOIL 2012 bioremediation session: preface to special issue. <i>Biodegradation</i> , 2013, 24, 451-453.	1.5	2
66	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, .	0.8	18
67	Draft Genome Sequence of Vancomycin-Heteroresistant <i>Staphylococcus epidermidis</i> Strain UC7032, Isolated from Food. <i>Genome Announcements</i> , 2013, 1, .	0.8	4
68	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.	6.6	29
69	Response of microbial organisms (aquatic and terrestrial) to pesticides. <i>EFSA Supporting Publications</i> , 2012, 9, 359E.	0.3	16
70	Response of Ammonia Oxidizing Bacteria and Archaea to Acute Zinc Stress and Different Moisture Regimes in Soil. <i>Microbial Ecology</i> , 2012, 64, 1028-1037.	1.4	25
71	Potential nitrification, nitrate reductase, and $\beta$ -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.	2.3	7
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.	1.4	35

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73	Effects of Methods of Carbon Sequestration in Soil on Biochemical Indicators of Soil Quality. , 2012, , 179-207.		4
74	Soil enzymology: classical and molecular approaches. <i>Biology and Fertility of Soils</i> , 2012, 48, 743-762.	2.3	493
75	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.	1.1	92
76	Bioremediation and Mitigation of Organic Contaminants in the Era of Climate Changes. , 2012, , 467-485.		1
77	Relative sensitivity of different soil biological properties to zinc. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1798-1807.	4.2	25
78	Transcriptional Response of <i>Rhodococcus aetherivorans</i> I24 to Polychlorinated Biphenyl-Contaminated Sediments. <i>Microbial Ecology</i> , 2010, 60, 505-515.	1.4	12
79	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	4
80	Soil monitoring of pentachlorophenol by bioavailability and ecotoxicity measurements. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1575.	2.1	9
81	Bioaccessibility, bioavailability and ecotoxicity of pentachlorophenol in compost amended soils. <i>Chemosphere</i> , 2009, 77, 80-86.	4.2	23
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, 829-837.	4.2	63
83	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, 1292-1299.	4.2	47
84	Bioavailability and degradation of phenanthrene in compost amended soils. <i>Chemosphere</i> , 2007, 67, 548-556.	4.2	113
85	EXTRACTION AND BIOANALYSIS OF THE ECOTOXICOLOGICALLY RELEVANT FRACTION OF CONTAMINANTS IN SEDIMENTS. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2122.	2.2	32
86	Monitoring tricyclazole residues in rice paddy watersheds. <i>Chemosphere</i> , 2006, 62, 303-314.	4.2	74
87	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.	0.4	2
88	Development and validation of numerical indexes integrating enzyme activities of soils. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1673-1681.	4.2	132
89	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.	4.2	61
90	A soil alteration index based on phospholipid fatty acids. <i>Chemosphere</i> , 2005, 61, 1548-1557.	4.2	41

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91	A model assessing bioavailability of persistent organic pollutants in soil. , 2005, , 39-49.		1
92	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.	2.3	29
93	Cholesterol, $\beta$ -Sitosterol, Ergosterol, and Coprostanol in Agricultural Soils. <i>Journal of Environmental Quality</i> , 2003, 32, 466-471.	1.0	32
94	Non-exhaustive extraction techniques (NEETs) for bioavailability assessment of organic hydrophobic compounds in soils. <i>Agronomy for Sustainable Development</i> , 2003, 23, 755-756.	0.8	17
95	Cholesterol, $\beta$ -Sitosterol, Ergosterol, and Coprostanol in Agricultural Soils. <i>Journal of Environmental Quality</i> , 2003, 32, 466.	1.0	13