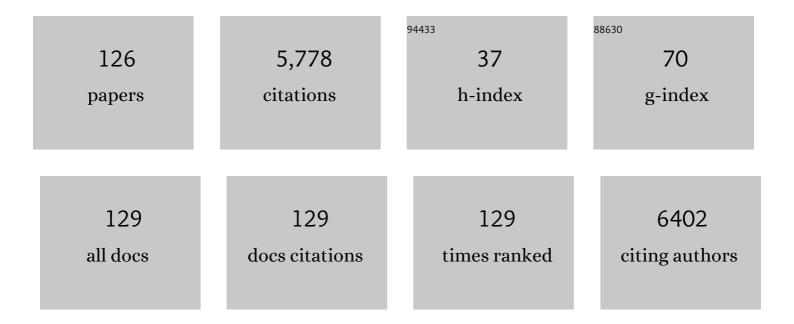
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Transformation of organic and inorganic sulfur– adding perspectives to new players in soil and rhizosphere. Soil Biology and Biochemistry, 2021, 160, 108306.	8.8	16
2	Environmental factors affect the response of microbial extracellular enzyme activity in soils when determined as a function of water availability and temperature. Ecology and Evolution, 2020, 10, 10105-10115.	1.9	22
3	Persistence of microbial extracellular enzymes in soils under different temperatures and water availabilities. Ecology and Evolution, 2020, 10, 10167-10176.	1.9	18
4	On a Non-Discrete Concept of Prokaryotic Species. Microorganisms, 2020, 8, 1723.	3.6	3
5	Influence of Abiotic Factors Temperature and Water Content on Bacterial 2-Chlorophenol Biodegradation in Soils. Frontiers in Environmental Science, 2019, 7, .	3.3	11
6	Multidisciplinary involvement and potential of thermophiles. Folia Microbiologica, 2019, 64, 389-406.	2.3	9
7	Genetic Analysis and In Vitro Enzymatic Determination of Bacterial Community in Compost Teas from Different Sources. Compost Science and Utilization, 2018, 26, 256-270.	1.2	9
8	Molecular Tunnels in Enzymes and Thermophily: A Case Study on the Relationship to Growth Temperature. Microorganisms, 2018, 6, 109.	3.6	4
9	New Generation DNA Sequencing (NGS): Mining for Genes and the Potential of Extremophiles. , 2017, , 255-268.		3
10	Functional Diversity and Applications of Mobile Group II Introns. , 2017, , 161-169.		1
11	Bioconversion of α-chitin into N-acetyl-glucosamine using chitinases produced by marine-derived Aeromonas caviae isolates. World Journal of Microbiology and Biotechnology, 2017, 33, 201.	3.6	23
12	Correcting names of bacteria deposited in National Microbial Repositories: an analysed sequence data necessary for taxonomic re-categorization of misclassified bacteria-ONE example, genus Lysinibacillus. Data in Brief, 2017, 13, 761-778.	1.0	4
13	Impacts of protected colonial birds on soil microbial communities: When protection leads to degradation. Soil Biology and Biochemistry, 2017, 105, 59-70.	8.8	15
14	Nitric Oxide Accumulation: The Evolutionary Trigger for Phytopathogenesis. Frontiers in Microbiology, 2017, 8, 1947.	3.5	25
15	Evidence of horizontal gene transfer by transposase gene analyses in Fervidobacterium species. PLoS ONE, 2017, 12, e0173961.	2.5	25
16	Genomic Analysis of a Marine Bacterium: Bioinformatics for Comparison, Evaluation, and Interpretation of DNA Sequences. BioMed Research International, 2016, 2016, 1-7.	1.9	4
17	Cellular Viscosity in Prokaryotes and Thermal Stability of Low Molecular Weight Biomolecules. Biophysical Journal, 2016, 111, 875-882.	0.5	17
18	Influence of Temperature and Copper on Oxalobacteraceae in Soil Enrichments. Current Microbiology, 2016, 72, 370-376.	2.2	6

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19	Inferring pathways leading to organic-sulfur mineralization in the Bacillales. Critical Reviews in Microbiology, 2016, 42, 31-45.	6.1	16
20	Fervidobacterium thailandense sp. nov., an extremely thermophilic bacterium isolated from a hot spring. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 5023-5027.	1.7	22
21	Kinetics of Indigenous Nitrate Reducing Sulfide Oxidizing Activity in Microaerophilic Wastewater Biofilms. PLoS ONE, 2016, 11, e0149096.	2.5	5
22	Hydrolytic enzyme activity enhanced by Barium supplementation. AIMS Microbiology, 2016, 2, 402-411.	2.2	9
23	Copper and temperature modify microbial communities, ammonium and sulfate release in soil. Journal of Plant Nutrition and Soil Science, 2015, 178, 953-962.	1.9	10
24	Vibrio olivae sp. nov., isolated from Spanish-style green-olive fermentations. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1895-1901.	1.7	10
25	Latitude-dependent underestimation of microbial extracellular enzyme activity in soils. International Journal of Environmental Science and Technology, 2015, 12, 2427-2434.	3.5	20
26	Evaluating Putative Chimeric Sequences from PCR-Amplified Products. , 2015, , 150-155.		0
27	Isolation, characterization, and survival strategies of Thermotoga sp. strain PD524, a hyperthermophile from a hot spring in Northern Thailand. Extremophiles, 2015, 19, 853-861.	2.3	8
28	Analysis of three genomes within the thermophilic bacterial species Caldanaerobacter subterraneus with a focus on carbon monoxide dehydrogenase evolution and hydrolase diversity. BMC Genomics, 2015, 16, 757.	2.8	38
29	Bacterial Distribution Along a 50°C Temperature Gradient Reveals a Parceled Out Hot Spring Environment. Microbial Ecology, 2014, 68, 729-739.	2.8	29
30	Enterococcus olivae sp. nov., isolated from Spanish-style green-olive fermentations. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2534-2539.	1.7	16
31	Propionibacterium olivae sp. nov. and Propionibacterium damnosum sp. nov., isolated from spoiled packaged Spanish-style green olives. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2980-2985.	1.7	23
32	Comportamiento de tejas de diferente color (rojo y paja) frente al biodeterioro. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2014, 53, 227-234.	1.9	3
33	Microbial community dynamics in the two-stage anaerobic digestion process of two-phase olive mill residue. International Journal of Environmental Science and Technology, 2013, 10, 635-644.	3.5	21
34	Reduction of Net Sulfide Production Rate by Nitrate in Wastewater Bioreactors. Kinetics and Changes in the Microbial Community. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	4
35	Draft Genome of the Marine Gammaproteobacterium Halomonas titanicae. Genome Announcements, 2013, 1, e0008313.	0.8	15
36	Characterization of new soil thermophilic bacteria potentially involved in soil fertilization. Journal of Plant Nutrition and Soil Science, 2013, 176, 47-56.	1.9	18

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37	The role of microorganisms in the formation of calcitic moonmilk deposits and speleothems in Altamira Cave. Geomorphology, 2012, 139-140, 285-292.	2.6	38
38	Mutualistic growth of the sulfate-reducer Desulfovibrio vulgaris Hildenborough with different carbohydrates. Microbiology, 2012, 81, 663-668.	1.2	2
39	Amplification by PCR Artificially Reduces the Proportion of the Rare Biosphere in Microbial Communities. PLoS ONE, 2012, 7, e29973.	2.5	131
40	Identification and Characterization of a Freshwater Pyrococcus sp. Strain PK 5017 and Identification of Pfu-Like IS Elements in Thermococcus sibiricus MM 739. International Journal of Biology, 2012, 4, .	0.2	1
41	Acidobacteria in Freshwater Ponds at Doñana National Park, Spain. Microbial Ecology, 2012, 63, 844-855.	2.8	20
42	Presence and potential role of thermophilic bacteria in temperate terrestrial environments. Die Naturwissenschaften, 2012, 99, 43-53.	1.6	36
43	Relationship between certain ceramic roofing tile characteristics and biodeterioration. Journal of the European Ceramic Society, 2011, 31, 2753-2761.	5.7	17
44	Moonmilk Deposits Originate from Specific Bacterial Communities in Altamira Cave (Spain). Microbial Ecology, 2011, 61, 182-189.	2.8	43
45	A procedure to evaluate the resistance to biological colonization as a characteristic for product quality of ceramic roofing tiles. Journal of the European Ceramic Society, 2011, 31, 351-359.	5.7	15
46	Microbial Community Fingerprinting by Differential Display-Denaturing Gradient Gel Electrophoresis. Applied and Environmental Microbiology, 2011, 77, 351-354.	3.1	21
47	Feasibility of sunflower oil cake degradation with three different anaerobic consortia. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1409-1416.	1.7	9
48	Differential Effects of Distinct Bacterial Biofilms in a Cave Environment. Current Microbiology, 2010, 60, 435-438.	2.2	11
49	Spider fibers and the apparent fungal colonization of rock-art caves. Die Naturwissenschaften, 2010, 97, 115-116.	1.6	0
50	A cloning strategy to obtain recombinant proteins with identical primary structure to the native forms. Journal of Biotechnology, 2010, 149, 21-23.	3.8	0
51	Characterization of two aerobic ultramicrobacteria isolated from urban soil and a description of Oxalicibacterium solurbis sp. nov FEMS Microbiology Letters, 2010, 307, 25-29.	1.8	36
52	Sulfate-reducing bacteria are common members of bacterial communities in Altamira Cave (Spain). Science of the Total Environment, 2009, 407, 1114-1122.	8.0	22
53	Three different phototrophic microbial communities colonizing a single natural shelter containing prehistoric paintings. Science of the Total Environment, 2009, 407, 4876-4881.	8.0	20
54	Differential microbial communities in hot spring mats from Western Thailand. Extremophiles, 2009, 13, 321-331.	2.3	37

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55	Pigment profiles and bacterial communities from Thailand thermal mats. Antonie Van Leeuwenhoek, 2009, 96, 559-567.	1.7	1
56	Members of the Candidate Division OP10 are spread in a variety of environments. World Journal of Microbiology and Biotechnology, 2009, 25, 347-353.	3.6	15
57	Comparing bacterial community fingerprints from white colonizations in Altamira Cave (Spain). World Journal of Microbiology and Biotechnology, 2009, 25, 1347-1352.	3.6	11
58	Isolation of five Rubrobacter strains from biodeteriorated monuments. Die Naturwissenschaften, 2009, 96, 71-79.	1.6	87
59	Is the availability of different nutrients a critical factor for the impact of bacteria on subterraneous carbon budgets?. Die Naturwissenschaften, 2009, 96, 1035-1042.	1.6	32
60	CRISPR elements in the Thermococcales: evidence for associated horizontal gene transfer inPyrococcus furiosus. Journal of Applied Genetics, 2009, 50, 421-430.	1.9	36
61	Assessment of Bacterial and Fungal Growth on Natural Substrates: Consequences for Preserving Caves with Prehistoric Paintings. Current Microbiology, 2009, 59, 321-325.	2.2	26
62	FLUORESCENT MEASUREMENTS OF DNA, RNA AND PROTEINS TO PERFORM COMPARATIVE ANALYSES OF MICROBIAL COMMUNITIES FROM THE ENVIRONMENTS. Journal of Rapid Methods and Automation in Microbiology, 2009, 17, 398-410.	0.4	1
63	Molecular characterization of total and metabolically active bacterial communities of "white colonizations―in the Altamira Cave, Spain. Research in Microbiology, 2009, 160, 41-47.	2.1	75
64	Role of specific microbial communities in the bioavailability of iron in Doñana National Park. Environmental Geochemistry and Health, 2008, 30, 165-170.	3.4	5
65	Microbial communities and immigration in volcanic environments of Canary Islands (Spain). Die Naturwissenschaften, 2008, 95, 307-315.	1.6	20
66	Statistical differences between relative quantitative molecular fingerprints from microbial communities. Antonie Van Leeuwenhoek, 2008, 94, 157-163.	1.7	19
67	Influence of organic loading rate and hydraulic retention time on the performance, stability and microbial communities of one-stage anaerobic digestion of two-phase olive mill solid residue. Biochemical Engineering Journal, 2008, 40, 253-261.	3.6	194
68	Pseudonocardia in white colonizations in two caves with Paleolithic paintings. International Biodeterioration and Biodegradation, 2008, 62, 483-486.	3.9	48
69	Metabolically active microbial communities of yellow and grey colonizations on the walls of Altamira Cave, Spain. Journal of Applied Microbiology, 2008, 104, 681-691.	3.1	86
70	Reproducing stone monument photosynthetic-based colonization under laboratory conditions. Science of the Total Environment, 2008, 405, 278-285.	8.0	45
71	Nocardia altamirensis sp. nov., isolated from Altamira cave, Cantabria, Spain. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2210-2214.	1.7	32
72	Microbes Pose a Risk to Prehistoric Cave Paintings. Microbe Magazine, 2008, 3, 72-77.	0.4	8

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73	Amycolatopsis nigrescens sp. nov., an actinomycete isolated from a Roman catacomb. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 513-519.	1.7	29
74	Nitrate stimulation of indigenous nitrate-reducing, sulfide-oxidising bacterial community in wastewater anaerobic biofilms. Water Research, 2007, 41, 3121-3131.	11.3	75
75	Counterselection of prokaryotic ribosomal RNA during reverse transcription using non-random hexameric oligonucleotides. Journal of Microbiological Methods, 2007, 71, 288-291.	1.6	4
76	Did Smoke from the Kuwait Oil Well Fires Affect Iranian Archaeological Heritage?. Environmental Science & Technology, 2007, 41, 2378-2386.	10.0	15
77	Microbial ecology of submerged marine caves and holes characterized by high levels of hydrogen sulphide. Reviews in Environmental Science and Biotechnology, 2007, 6, 61-70.	8.1	17
78	Aerobiology and cultural heritage: some reflections and future challenges. Aerobiologia, 2007, 23, 89-90.	1.7	22
79	Novel chemolithotrophic, thermophilic, anaerobic bacteria Thermolithobacter ferrireducens gen. nov., sp. nov. and Thermolithobacter carboxydivorans sp. nov Extremophiles, 2007, 11, 145-157.	2.3	79
80	Performance and microbial communities of a continuous stirred tank anaerobic reactor treating two-phases olive mill solid wastes at low organic loading rates. Journal of Biotechnology, 2006, 121, 534-543.	3.8	76
81	Biodeterioration of historic stained glasses from the Cartuja de Miraflores (Spain). International Biodeterioration and Biodegradation, 2006, 58, 155-161.	3.9	49
82	Biodegradation of Dichloromethane in an Estuarine Environment. Hydrobiologia, 2006, 559, 77-83.	2.0	14
83	Epilithic biofilms in Saint Callixtus Catacombs (Rome) harbour a broad spectrum of Acidobacteria. Antonie Van Leeuwenhoek, 2006, 89, 203-208.	1.7	32
84	On the origin of fiber calcite crystals in moonmilk deposits. Die Naturwissenschaften, 2006, 93, 27-32.	1.6	135
85	Metabolically active Crenarchaeota in Altamira Cave. Die Naturwissenschaften, 2006, 93, 42-45.	1.6	73
86	Nitrate promotes biological oxidation of sulfide in wastewaters: Experiment at plant-scale. Biotechnology and Bioengineering, 2006, 93, 801-811.	3.3	83
87	Aurantimonas altamirensis sp. nov., a member of the order Rhizobiales isolated from Altamira Cave. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2583-2585.	1.7	70
88	Myceligenerans crystallogenes sp. nov., isolated from Roman catacombs. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 283-287.	1.7	27
89	Life in Hot Carbon Monoxide: The Complete Genome Sequence of Carboxydothermus hydrogenoformans Z-2901. PLoS Genetics, 2005, 1, e65.	3.5	226
90	Detection and Phylogenetic Relationships of Highly Diverse Uncultured Acidobacterial Communities in Altamira Cave Using 23S rRNA Sequence Analyses. Geomicrobiology Journal, 2005, 22, 379-388.	2.0	121

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91	Multiple displacement amplification as a pre-polymerase chain reaction (pre-PCR) to process difficult to amplify samples and low copy number sequences from natural environments. Environmental Microbiology, 2005, 7, 1024-1028.	3.8	88
92	Deterioration of building materials in Roman catacombs: The influence of visitors. Science of the Total Environment, 2005, 349, 260-276.	8.0	75
93	A simple fluorimetric method for the estimation of DNA?DNA relatedness between closely related microorganisms by thermal denaturation temperatures. Extremophiles, 2005, 9, 75-79.	2.3	136
94	Isoptericola hypogeus sp. nov., isolated from the Roman catacomb of Domitilla. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1715-1719.	1.7	40
95	Agromyces italicus sp. nov., Agromyces humatus sp. nov. and Agromyces lapidis sp. nov., isolated from Roman catacombs. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 871-875.	1.7	61
96	Agromyces salentinus sp. nov. and Agromyces neolithicus sp. nov International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 153-157.	1.7	51
97	Evaluating putative chimeric sequences from PCR-amplified products. Bioinformatics, 2005, 21, 333-337.	4.1	73
98	Agromyces subbeticus sp. nov., isolated from a cave in southern Spain. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1897-1901.	1.7	58
99	Life in Hot Carbon Monoxide: the Complete Genome Sequence of Carboxydothermus hydrogenoformans Z-2901. PLoS Genetics, 2005, preprint, e65.	3.5	1
100	A proposal to rename the hyperthermophile <i>Pyrococcus woesei</i> as <i>Pyrococcus furiosus</i> subsp. <i>woesei</i> . Archaea, 2004, 1, 277-283.	2.3	30
101	Thermosinus carboxydivorans gen. nov., sp. nov., a new anaerobic, thermophilic, carbon-monoxide-oxidizing, hydrogenogenic bacterium from a hot pool of Yellowstone National Park. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 2353-2359.	1.7	114
102	Development of Two PCR-Based Techniques for Detecting Helical and Coccoid Forms of Helicobacter pylori. Journal of Clinical Microbiology, 2004, 42, 3613-3619.	3.9	38
103	Pectinatus portalensis nov. sp., a relatively fast-growing, coccoidal, novel Pectinatus species isolated from a wastewater treatment plant. Antonie Van Leeuwenhoek, 2004, 86, 241-247.	1.7	24
104	Microbial diversity in biodeteriorated monuments as studied by denaturing gradient gel electrophoresis. Journal of Separation Science, 2004, 27, 174-180.	2.5	51
105	An approach to measure ciliate grazing on living heterotrophic nanoflagellates. Hydrobiologia, 2003, 491, 159-166.	2.0	10
106	Bacterial degradation of dichloromethane in cultures and natural environments. Journal of Microbiological Methods, 2003, 54, 419-422.	1.6	15
107	An efficient strategy for screening large cloned libraries of amplified 16S rDNA sequences from complex environmental communities. Journal of Microbiological Methods, 2003, 55, 459-463.	1.6	62
108	Optical Thermal Cycler for Use as a Fluorimetric Plate Reader to Estimate DNA Concentrations. BioTechniques, 2003, 34, 710-712.	1.8	3

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109	Extremely thermostable glutamate dehydrogenase (GDH) from the freshwater archaeon Thermococcus waiotapuensis : cloning and comparison with two marine hyperthermophilic GDHs. Extremophiles, 2002, 6, 151-159.	2.3	16
110	A fluorimetric method for the estimation of G+C mol% content in microorganisms by thermal denaturation temperature. Environmental Microbiology, 2002, 4, 770-773.	3.8	953
111	Genetic analysis ofCarboxydothermus hydrogenoformanscarbon monoxide dehydrogenase genescooFandcooS. FEMS Microbiology Letters, 2000, 191, 243-247.	1.8	25
112	Thermococcus waiotapuensis sp. nov., an extremely thermophilic archaeon isolated from a freshwater hot spring. Archives of Microbiology, 1999, 172, 95-101.	2.2	38
113	Rapid extraction of plasmid pGT5 from the hyperthermophilic archaeonPyrococcus abyssi. Molecular Biotechnology, 1999, 11, 221-224.	2.4	0
114	Thermophiles. , 1999, , 113-154.		1
115	Divergence of the Hyperthermophilic Archaea Pyrococcus furiosus and P. horikoshii Inferred From Complete Genomic Sequences. Genetics, 1999, 152, 1299-1305.	2.9	115
116	Pyrococcus horikoshii sp. nov., a hyperthermophilic archaeon isolated from a hydrothermal vent at the Okinawa Trough. Extremophiles, 1998, 2, 123-130.	2.3	239
117	Pressure and temperature effects on growth and viability of the hyperthermophilic archaeon Thermococcus peptonophilus. Archives of Microbiology, 1997, 168, 1-7.	2.2	64
118	Culturability and survival of an extreme thermophile isolated from deep-sea hydrothermal vents. Archives of Microbiology, 1996, 166, 64-67.	2.2	15
119	A general purpose program for obtaining most probable number tables. Journal of Microbiological Methods, 1996, 26, 215-218.	1.6	21
120	Thermococcus peptonophilus sp. nov., a fast-growing, extremely thermophilic archaebacterium isolated from deep-sea hydrothermal vents. Archives of Microbiology, 1995, 164, 159-164.	2.2	10
121	Thermococcus peptonophilus sp. nov., a fast-growing, extremely thermophilic archaebacterium isolated from deep-sea hydrothermal vents. Archives of Microbiology, 1995, 164, 159-164.	2.2	98
122	Modelling enteric bacteria survival in aquatic systems. Hydrobiologia, 1995, 316, 109-116.	2.0	26
123	Grazing by marine nanofiagellates on viruses and virus-sized particles: ingestion and digestion. Marine Ecology - Progress Series, 1993, 94, 1-10.	1.9	239
124	Digestive enzyme activity as a quantitative measure of protistan grazing: the acid lysozyme assay for bacterivory. Marine Ecology - Progress Series, 1993, 100, 197-206.	1.9	62
125	Survival strategy of <i>Escherichia coli</i> and <i>Enterococcus faecalis</i> in illuminated fresh and marine systems. Journal of Applied Bacteriology, 1990, 68, 189-198.	1.1	96
126	Novel Methodologies for the Detection and Classification of Cultured and Uncultured		0

Microorganisms from Cultural Heritage Samples. , 0, , 120-124.