Ramon A RossellÃ³-MÃ³ra

List of Publications by Year
in descending order

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209 papers	27,495 citations	22153 59 h-index	6131 159 g-index
224 all docs	224 docs citations	224 times ranked	19804 citing authors

#	Article	IF	Citations
1	Shifting the genomic gold standard for the prokaryotic species definition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19126-19131.	7.1	5,234
2	JSpeciesWS: a web server for prokaryotic species circumscription based on pairwise genome comparison. Bioinformatics, 2016, 32, 929-931.	4.1	2,023
3	Uniting the classification of cultured and uncultured bacteria and archaea using 16S rRNA gene sequences. Nature Reviews Microbiology, 2014, 12, 635-645.	28.6	2,000
4	Notes on the characterization of prokaryote strains for taxonomic purposes. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 249-266.	1.7	1,232
5	Report of the ad hoc committee for the re-evaluation of the species definition in bacteriology.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1043-1047.	1.7	971
6	Report of the ad hoc committee for the re-evaluation of the species definition in bacteriology. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1043-1047.	1.7	964
7	The species concept for prokaryotes. FEMS Microbiology Reviews, 2001, 25, 39-67.	8.6	887
8	The All-Species Living Tree project: A 16S rRNA-based phylogenetic tree of all sequenced type strains. Systematic and Applied Microbiology, 2008, 31, 241-250.	2.8	884
9	The species concept for prokaryotes. FEMS Microbiology Reviews, 2001, 25, 39-67.	8.6	733
10	Methane formation from long-chain alkanes by anaerobic microorganisms. Nature, 1999, 401, 266-269.	27.8	591
11	Uncultivated microbes in need of their own taxonomy. ISME Journal, 2017, 11, 2399-2406.	9.8	572
12	Past and future species definitions for Bacteria and Archaea. Systematic and Applied Microbiology, 2015, 38, 209-216.	2.8	470
13	The Microbial Genomes Atlas (MiGA) webserver: taxonomic and gene diversity analysis of Archaea and Bacteria at the whole genome level. Nucleic Acids Research, 2018, 46, W282-W288.	14.5	458
14	Reclassification of Shewanella putrefaciens Owen's genomic group II as Shewanella baltica sp. nov.. International Journal of Systematic Bacteriology, 1998, 48, 179-186.	2.8	456
15	Update of the All-Species Living Tree Project based on 16S and 23S rRNA sequence analyses. Systematic and Applied Microbiology, 2010, 33, 291-299.	2.8	441
16	Salinibacter ruber gen. nov., sp. nov., a novel, extremely halophilic member of the Bacteria from saltern crystallizer ponds.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 485-491.	1.7	401
17	Extremely Halophilic Bacteria in Crystallizer Ponds from Solar Salterns. Applied and Environmental Microbiology, 2000, 66, 3052-3057.	3.1	294
18	Combined Use of 16S Ribosomal DNA and 16S rRNA To Study the Bacterial Community of Polychlorinated Biphenyl-Polluted Soil. Applied and Environmental Microbiology, 2001, 67, 1874-1884.	3.1	276

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19	Description of Bacillus toyonensis sp. nov., a novel species of the Bacillus cereus group, and pairwise genome comparisons of the species of the group by means of ANI calculations. Systematic and Applied Microbiology, 2013, 36, 383-391.	2.8	217
20	Revised phylogeny of Bacteroidetes and proposal of sixteen new taxa and two new combinations including Rhodothermaeota phyl. nov.. Systematic and Applied Microbiology, 2016, 39, 281-296.	2.8	214
21	Anaerobic Oxidation of o -Xylene, m -Xylene, and Homologous Alkylbenzenes by New Types of Sulfate-Reducing Bacteria. Applied and Environmental Microbiology, 1999, 65, 999-1004.	3.1	202
22	Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains. PLoS Biology, 2014, 12, e1001920.	5.6	190
23	Microbial Diversity in Maras Salterns, a Hypersaline Environment in the Peruvian Andes. Applied and Environmental Microbiology, 2006, 72, 3887-3895.	3.1	184
24	Cohnella thermotolerans gen. nov., sp. nov., and classification of â€˜Paenibacillus hongkongensisâ€™ as Cohnella hongkongensis sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 781-786.	1.7	182
25	Microbial Manganese and Sulfate Reduction in Black Sea Shelf Sediments. Applied and Environmental Microbiology, 2000, 66, 2888-2897.	3.1	161
26	Emendation of the family Chlamydiaceae: Proposal of a single genus, Chlamydia, to include all currently recognized species. Systematic and Applied Microbiology, 2015, 38, 99-103.	2.8	156
27	Evidence for the existence of two new members of the family Chlamydiaceae and proposal of Chlamydia avium sp. nov. and Chlamydia gallinacea sp. nov.. Systematic and Applied Microbiology, 2014, 37, 79-88.	2.8	154
28	Release LTPs104 of the All-Species Living Tree. Systematic and Applied Microbiology, 2011, 34, 169-170.	2.8	146
29	Geovibrio ferrireducens , a phylogenetically distinct dissimilatory Fe(III)-reducing bacterium. Archives of Microbiology, 1996, 165, 370-376.	2.2	144
30	Proposal of the suffix â€“ota to denote phyla. Addendum to â€˜Proposal to include the rank of phylum in the International Code of Nomenclature of Prokaryotesâ€™. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 967-969.	1.7	136
31	Characterization of the anaerobic microbial community in oilâ€polluted subtidal sediments: aromatic biodegradation potential after the Prestige oil spill. Environmental Microbiology, 2013, 15, 77-92.	3.8	132
32	Metaproteogenomic insights beyond bacterial response to naphthalene exposure and bio-stimulation. ISME Journal, 2013, 7, 122-136.	9.8	124
33	Roadmap for naming uncultivated Archaea and Bacteria. Nature Microbiology, 2020, 5, 987-994.	13.3	115
34	Community structure and activity of sulfate-reducing bacteria in an intertidal surface sediment: a multi-method approach. Aquatic Microbial Ecology, 2002, 29, 211-226.	1.8	111
35	Reclassification of Rhodobium marinum and Rhodobium pfennigii as Afifella marina gen. nov. comb. nov. and Afifella pfennigii comb. nov., a new genus of photoheterotrophic Alphaproteobacteria and emended descriptions of Rhodobium, Rhodobium orientis and Rhodobium gokarnense. Systematic and Applied Microbiology, 2008, 31, 339-351.	2.8	111
36	16S rRNA Gene Sequence Analysis Relative to Genomovars of Pseudomonas stutzeri and Proposal of Pseudomonas balearica sp. nov.. International Journal of Systematic Bacteriology, 1996, 46, 200-205.	2.8	109

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37	Metabolic evidence for biogeographic isolation of the extremophilic bacterium Salinibacter ruber. ISME Journal, 2008, 2, 242-253.	9.8	108
38	Sequencing orphan species initiative (SOS): Filling the gaps in the 16S rRNA gene sequence database for all species with validly published names. Systematic and Applied Microbiology, 2013, 36, 69-73.	2.8	98
39	Phylogeny and distribution of nitrate-storing Beggiatoa spp. in coastal marine sediments. Environmental Microbiology, 2003, 5, 523-533.	3.8	91
40	The Response of the Microbial Community of Marine Sediments to Organic Carbon Input under Anaerobic Conditions. Systematic and Applied Microbiology, 1999, 22, 237-248.	2.8	89
41	Phototrophic utilization of toluene under anoxic conditions by a new strain of Blastochloris sulfoviridis. Archives of Microbiology, 1999, 172, 204-212.	2.2	86
42	Introducing a digital protologue: a timely move towards a database-driven systematics of archaea and bacteria. Antonie Van Leeuwenhoek, 2017, 110, 455-456.	1.7	85
43	Proposal to include the rank of phylum in the International Code of Nomenclature of Prokaryotes. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 4284-4287.	1.7	84
44	DNA-DNA Reassociation Methods Applied to Microbial Taxonomy and Their Critical Evaluation. , 2006, , 23-50.		82
45	Parvibaculum lavamentivorans gen. nov., sp. nov., a novel heterotroph that initiates catabolism of linear alkylbenzenesulfonate. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1489-1497.	1.7	81
46	Fine-scale evolution: genomic, phenotypic and ecological differentiation in two coexisting Salinibacter ruber strains. ISME Journal, 2010, 4, 882-895.	9.8	81
47	Meeting report: GenBank microbial genomic taxonomy workshop (12â€“13 May, 2015). Standards in Genomic Sciences, 2016, 11, .	1.5	81
48	The effect of oil spills on the bacterial diversity and catabolic function in coastal sediments: a case study on the Prestige oil spill. Environmental Science and Pollution Research, 2015, 22, 15200-15214.	5.3	80
49	Bacillus acidicola sp. nov., a novel mesophilic, acidophilic species isolated from acidic Sphagnum peat bogs in Wisconsin. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2125-2130.	1.7	79
50	Undibacterium pigrum gen. nov., sp. nov., isolated from drinking water. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1510-1515.	1.7	73
51	Comparative Sequence Analysis of 23S rRNA from Proteobacteria. Systematic and Applied Microbiology, 1995, 18, 164-188.	2.8	72
52	Isolation and Taxonomic Characterization of a Halotolerant, Facultatively Iron-reducing Bacterium. Systematic and Applied Microbiology, 1995, 17, 569-573.	2.8	71
53	Culture-Independent Approaches for Studying Viruses from Hypersaline Environments. Applied and Environmental Microbiology, 2012, 78, 1635-1643.	3.1	70
54	Proposal of Viridibacillus gen. nov. and reclassification of Bacillus arvi, Bacillus arenosi and Bacillus neidei as Viridibacillus arvi gen. nov., comb. nov., Viridibacillus arenosi comb. nov. and Viridibacillus neidei comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2729-2737.	1.7	69

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55	Coexistence of Two Distinct Copies of Naphthalene Degradation Genes in Pseudomonas Strains Isolated from the Western Mediterranean Region. Applied and Environmental Microbiology, 2002, 68, 957-962.	3.1	68
56	Paenibacillus favisporus sp. nov., a xylanolytic bacterium isolated from cow faeces. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 59-64.	1.7	65
57	Intraspecific comparative analysis of the species Salinibacter ruber. Extremophiles, 2005, 9, 151-161.	2.3	65
58	Towards a taxonomy ofBacteriaandArchaeabased on interactive and cumulative data repositories. Environmental Microbiology, 2012, 14, 318-334.	3.8	64
59	Ferrimonas balearica gen. nov., spec. nov., a New Marine Facultative Fe(III)-reducing Bacterium. Systematic and Applied Microbiology, 1995, 18, 196-202.	2.8	62
60	Pseudoalteromonas antarctica sp. nov., Isolated from an Antarctic Coastal Environment. International Journal of Systematic Bacteriology, 1997, 47, 345-351.	2.8	62
61	The low diverse gastric microbiome of the jellyfish Cotylorhiza tuberculata is dominated by four novel taxa. Environmental Microbiology, 2017, 19, 3039-3058.	3.8	62
62	Genetic Diversity and Virulence Determinants of Escherichia coli Strains Isolated from Patients with Crohn's Disease in Spain and Chile. Frontiers in Microbiology, 2017, 8, 639.	3.5	62
63	Classifying the uncultivated microbial majority: A place for metagenomic data in the Candidatus proposal. Systematic and Applied Microbiology, 2015, 38, 223-230.	2.8	61
64	Description of Pseudochrobactrum gen. nov., with the two species Pseudochrobactrum asaccharolyticum sp. nov. and Pseudochrobactrum saccharolyticum sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1823-1829.	1.7	60
65	Metagenomic approach to the study of halophages: the environmental halophage 1. Environmental Microbiology, 2007, 9, 1711-1723.	3.8	59
66	Moderate halophilic bacteria colonizing the phylloplane of halophytes of the subfamily Salicornioideae (Amaranthaceae). Systematic and Applied Microbiology, 2015, 38, 406-416.	2.8	58
67	Thermomonas haemolytica gen. nov., sp. nov., a gamma-proteobacterium from kaolin slurry.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 473-483.	1.7	58
68	Substrate uptake in extremely halophilic microbial communities revealed by microautoradiography and fluorescence in situ hybridization. Extremophiles, 2003, 7, 409-413.	2.3	56
69	Updating Prokaryotic Taxonomy. Journal of Bacteriology, 2005, 187, 6255-6257.	2.2	56
70	Bioaugmentation with PseudomonasÃ¢Â€Âƒsp. strain MHP41 promotes simazine attenuation and bacterial community changes in agricultural soils. FEMS Microbiology Ecology, 2010, 71, 114-126.	2.7	56
71	Endophytic microbial diversity of the halophyteArthrocnemum macrostachyumacross plant compartments. FEMS Microbiology Ecology, 2016, 92, fiw145.	2.7	56
72	Response of sulfateâ€reducing bacteria to an artificial oilâ€spill in a coastal marine sediment. Environmental Microbiology, 2011, 13, 1488-1499.	3.8	55

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73	Distribution, abundance and diversity of the extremely halophilic bacterium Salinibacter ruber. Saline Systems, 2008, 4, 15.	2.0	54
74	Pseudomonas arsenicoxydans sp nov., an arsenite-oxidizing strain isolated from the Atacama desert. Systematic and Applied Microbiology, 2010, 33, 193-197.	2.8	54
75	<scp>The importance of naturally attenuated SARSâ€CoV</scp>â€2<scp>in the fight against COVID</scp>â€19. Environmental Microbiology, 2020, 22, 1997-2000.	3.8	54
76	Pseudolabrys taiwanensis gen. nov., sp. nov., an alphaproteobacterium isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2469-2472.	1.7	53
77	Effects of the 2015 heat wave on benthic invertebrates inÂtheÂTabarcaÂMarine Protected Area (southeast) Tj ETQq1 1 0.784314 rgB	2.5	53
78	Thalassospira lucentensis gen. nov., sp. nov., a new marine member of the alpha-Proteobacteria. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1277-1283.	1.7	53
79	Diversity of Benzylsuccinate Synthase-Like (bssA) Genes in Hydrocarbon-Polluted Marine Sediments Suggests Substrate-Dependent Clustering. Applied and Environmental Microbiology, 2013, 79, 3667-3676.	3.1	52
80	Taxonomic and Functional Metagenomic Profiling of the Microbial Community in the Anoxic Sediment of a Sub-saline Shallow Lake (Laguna de Carrizo, Central Spain). Microbial Ecology, 2011, 62, 824-837.	2.8	51
81	From community approaches to single-cell genomics: the discovery of ubiquitous hyperhalophilic Bacteroidetes generalists. ISME Journal, 2015, 9, 16-31.	9.8	51
82	Species-Level Analysis of Human Gut Microbiota With Metataxonomics. Frontiers in Microbiology, 2020, 11, 2029.	3.5	50
83	Staphylococcus nepalensis sp. nov., isolated from goats of the Himalayan region. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 2007-2011.	1.7	48
84	High Metabolomic Microdiversity within Co-Occurring Isolates of the Extremely Halophilic Bacterium Salinibacter ruber. PLoS ONE, 2013, 8, e64701.	2.5	48
85	Evaluation of matrix-assisted laser desorption ionization-time of flight whole cell profiles for assessing the cultivable diversity of aerobic and moderately halophilic prokaryotes thriving in solar saltern sediments. Systematic and Applied Microbiology, 2011, 34, 69-75.	2.8	47
86	Diversity of extremely halophilic cultivable prokaryotes in Mediterranean, Atlantic and Pacific solar salterns: Evidence that unexplored sites constitute sources of cultivable novelty. Systematic and Applied Microbiology, 2015, 38, 266-275.	2.8	46
87	â€œCandidatus Macondimonas diazotrophicaâ€, a novel gammaproteobacterial genus dominating crude-oil-contaminated coastal sediments. ISME Journal, 2019, 13, 2129-2134.	9.8	46
88	Combining chip-ESI with APLI (cESILI) as a multimode source for analysis of complex mixtures with ultrahigh-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 391, 2803-2809.	3.7	45
89	Salt resistance genes revealed by functional metagenomics from brines and moderate-salinity rhizosphere within a hypersaline environment. Frontiers in Microbiology, 2015, 6, 1121.	3.5	45
90	Toward unrestricted use of public genomic data. Science, 2019, 363, 350-352.	12.6	45

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91	Extremely halophilic microbial communities in anaerobic sediments from a solar saltern. Environmental Microbiology Reports, 2010, 2, 258-271.	2.4	44
92	Release LTP_12_2020, featuring a new ARB alignment and improved 16S rRNA tree for prokaryotic type strains. Systematic and Applied Microbiology, 2021, 44, 126218.	2.8	44
93	Analysis of Genotypic Diversity and Relationships Among Pseudomonas stutzeri strains by PCR-Based Genomic Fingerprinting and Multilocus Enzyme Electrophoresis. Systematic and Applied Microbiology, 1999, 22, 393-402.	2.8	42
94	Dialogue on the nomenclature and classification of prokaryotes. Systematic and Applied Microbiology, 2019, 42, 5-14.	2.8	41
95	Agrococcus baldri sp. nov., isolated from the air in the 'Virgilkapelle' in Vienna.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1211-1216.	1.7	40
96	Sphingobacterium psychroaquaticum sp. nov., a psychrophilic bacterium isolated from Lake Michigan water. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 952-958.	1.7	40
97	Microbial diversity and dynamics of a groundwater and a still bottled natural mineral water. Environmental Microbiology, 2015, 17, 577-593.	3.8	40
98	Metataxonomics reveal vultures as a reservoir for Clostridium perfringens. Emerging Microbes and Infections, 2017, 6, 1-8.	6.5	40
99	Introducing a Digital Protologue: A timely move towards a database-driven systematics of Archaea and Bacteria. Systematic and Applied Microbiology, 2017, 40, 121-122.	2.8	40
100	Biogeographical patterns of bacterial and archaeal communities from distant hypersaline environments. Systematic and Applied Microbiology, 2018, 41, 139-150.	2.8	39
101	Description of three new Alteromonas species Alteromonas antoniana sp. nov., Alteromonas lipotrueae sp. nov. and Alteromonas lipotrueiana sp. nov. isolated from marine environments, and proposal for reclassification of the genus Salinimonas as Alteromonas. Systematic and Applied Microbiology, 2021, 44, 126226.	2.8	39
102	After All, Only Millions?. MBio, 2016, 7, .	4.1	38
103	Taxonomic study of nine new Winogradskyella species occurring in the shallow waters of Helgoland Roads, North Sea. Proposal of Winogradskyella schleiferi sp. nov., Winogradskyella costae sp. nov., Winogradskyella helgolandensis sp. nov., Winogradskyella vidalii sp. nov., Winogradskyella forsetii sp. nov., Winogradskyella ludwigii sp. nov., Winogradskyella ursingii sp. nov., Winogradskyella wichelsiae sp. nov., and Candidatus â€œWinogradskyella atlanticaâ€• sp. nov.. Systematic and Applied Microbiology, 2020, 43, 126128.	2.8	38
104	Tolerance to Sudden Organic Solvent Shocks by Soil Bacteria and Characterization ofPseudomonas putidaStrains Isolated from Toluene Polluted Sites. Environmental Science & Technology, 2000, 34, 3395-3400.	10.0	37
105	Crohn associated microbial communities associated to colonic mucosal biopsies in patients of the western Mediterranean. Systematic and Applied Microbiology, 2015, 38, 442-452.	2.8	37
106	Metatranscriptomic analysis of extremely halophilic viral communities. ISME Journal, 2011, 5, 1621-1633.	9.8	36
107	Anaerobic Mineralization of Quaternary Carbon Atoms: Isolation of Denitrifying Bacteria on Dimethylmalonate. Applied and Environmental Microbiology, 1999, 65, 3319-3324.	3.1	35
108	Biochemical and chemotaxonomic characterization of Pseudomonas stutzeri genomovars. Journal of Applied Bacteriology, 1994, 76, 226-233.	1.1	34

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109	Automated microextraction sample preparation coupled on-line to FT-ICR-MS: application to desalting and concentration of river and marine dissolved organic matter. Analytical and Bioanalytical Chemistry, 2009, 395, 797-807.	3.7	34
110	Occurrence of Halococcus spp. in the nostrils salt glands of the seabird Calonectris diomedea. Extremophiles, 2009, 13, 557-565.	2.3	33
111	Precise Fecal Microbiome of the Herbivorous Tibetan Antelope Inhabiting High-Altitude Alpine Plateau. Frontiers in Microbiology, 2018, 9, 2321.	3.5	33
112	Microbacterium aerolatum sp. nov., isolated from the air in the 'Virgilkapelle' in Vienna.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1229-1234.	1.7	33
113	Determination of the Diversity of Rhodopirellula Isolates from European Seas by Multilocus Sequence Analysis. Applied and Environmental Microbiology, 2010, 76, 776-785.	3.1	32
114	Temperature modulates Fischerella thermalis ecotypes in Porcelana Hot Spring. Systematic and Applied Microbiology, 2018, 41, 531-543.	2.8	32
115	Lactobacillus oeni sp. nov., from wine. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 2010-2014.	1.7	31
116	New insights into the archaeal diversity of a hypersaline microbial mat obtained by a metagenomic approach. Systematic and Applied Microbiology, 2013, 36, 205-214.	2.8	31
117	Microbacterium aerolatum sp. nov., isolated from the air in the 'Virgilkapelle' in Vienna. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1229-1234.	1.7	30
118	Salicola marasensis gen. nov., sp. nov., an extremely halophilic bacterium isolated from the Maras solar salterns in Peru. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1685-1691.	1.7	30
119	Complete Genome Sequence of Bacillus toyonensis BCT-7112 ^T , the Active Ingredient of the Feed Additive Preparation Toyocerin. Genome Announcements, 2013, 1, .	0.8	30
120	Opinion: The Species Problem, Can We Achieve a Universal Concept?. Systematic and Applied Microbiology, 2003, 26, 323-326.	2.8	29
121	Phylogenetic position of Salinibacter ruber based on concatenated protein alignments. Systematic and Applied Microbiology, 2007, 30, 171-179.	2.8	29
122	Sphingomicrobium lutaoense gen. nov., sp. nov., isolated from a coastal hot spring. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1326-1330.	1.7	29
123	Genomic comparison between members of the Salinibacteraceae family, and description of a new species of Salinibacter (Salinibacter altiplanensis sp. nov.) isolated from high altitude hypersaline environments of the Argentinian Altiplano. Systematic and Applied Microbiology, 2018, 41, 198-212.	2.8	29
124	Characterization of ecologically diverse viruses infecting co-occurring strains of cosmopolitan hyperhalophilic Bacteroidetes. ISME Journal, 2018, 12, 424-437.	9.8	29
125	Transfer of Meiothermus chliarophilus (Tenreiro et al. 1995) Nobre et al. 1996, Meiothermus roseus Ming et al. 2016, Meiothermus terrae Yu et al. 2014 and Meiothermus timidus Pires et al. 2005, to Calidithermus gen. nov., as Calidithermus chliarophilus comb. nov., Calidithermus roseus comb. nov., Calidithermus terrae comb. nov. and Calidithermus timidus comb. nov., respectively, and emended description of the genus Meiothermus. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1060-1069.	1.7	28
126	Agrococcus baldri sp. nov., isolated from the air in the 'Virgilkapelle' in Vienna. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1211-1216.	1.7	27

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127	Pseudarcicella hirudinis gen. nov., sp. nov., isolated from the skin of the medical leech Hirudo medicinalis. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2247-2251.	1.7	27
128	Transition boundaries for protistan species turnover in hypersaline waters of different biogeographic regions. Environmental Microbiology, 2017, 19, 3186-3200.	3.8	27
129	Emendation of Rules 5b, 8, 15 and 22 of the International Code of Nomenclature of Prokaryotes to include the rank of phylum. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	27
130	Proposal for changes in the International Code of Nomenclature of Prokaryotes: granting priority to Candidatus names. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2174-2175.	1.7	27
131	Lactobacillus uvarum sp. nov. â€“ A new lactic acid bacterium isolated from Spanish Bobal grape must. Systematic and Applied Microbiology, 2008, 31, 425-433.	2.8	26
132	Distinctive Gut Microbiota Is Associated with Diarrheagenic Escherichia coli Infections in Chilean Children. Frontiers in Cellular and Infection Microbiology, 2017, 7, 424.	3.9	26
133	Breoghania corrubedonensis gen. nov. sp. nov., a novel alphaproteobacterium isolated from a Galician beach (NW Spain) after the Prestige fuel oil spill, and emended description of the family Cohaesibacteraceae and the species Cohaesibacter gelatinilyticus. Systematic and Applied Microbiology, 2010, 33, 316-321.	2.8	25
134	Nevskia aquatilis sp. nov. and Nevskia persephonica sp. nov., isolated from a mineral water aquifer and the emended description of the genus Nevskia. Systematic and Applied Microbiology, 2012, 35, 297-301.	2.8	25
135	On the fitness of microbial taxonomy. Trends in Microbiology, 2012, 20, 514-516.	7.7	25
136	Evidence for the existence of a new genus Chlamydiifrater gen. nov. inside the family Chlamydiaceae with two new species isolated from flamingo (Phoenicopterus roseus): Chlamydiifrater phoenicopteri sp. nov. and Chlamydiifrater volucris sp. nov.. Systematic and Applied Microbiology, 2021, 44, 126200.	2.8	24
137	Occurrence of rhizobia in the gut of the higher termite Nasutitermes nigriceps. Systematic and Applied Microbiology, 2007, 30, 68-74.	2.8	23
138	Evaluation of the use of multilocus sequence analysis (MLSA) to resolve taxonomic conflicts within the genus Marichromatium. Systematic and Applied Microbiology, 2010, 33, 116-121.	2.8	23
139	Halorhabdus rudnickae sp. nov., a halophilic archaeon isolated from a salt mine borehole in Poland. Systematic and Applied Microbiology, 2016, 39, 100-105.	2.8	23
140	Vibrio communities in scleractinian corals differ according to health status and geographic location in the Mediterranean Sea. Systematic and Applied Microbiology, 2018, 41, 131-138.	2.8	23
141	Red, Extremely Halophilic, but not Archaeal: The Physiology and Ecology of Salinibacter ruber, a Bacterium Isolated from Saltern Crystallizer Ponds. , 2004, , 63-76.		23
142	Rhodovarius lipocyclicus gen. nov. sp. nov., a New Genus of the Î±-1 Subclass of the Proteobacteria. Systematic and Applied Microbiology, 2004, 27, 511-516.	2.8	22
143	Response to adverse conditions in two strains of the extremely halophilic species Salinibacter ruber. Extremophiles, 2011, 15, 379-389.	2.3	22
144	First description of two moderately halophilic and psychrotolerant Mycoplasma species isolated from cephalopods and proposal of Mycoplasma marinum sp. nov. and Mycoplasma todarodis sp. nov. Systematic and Applied Microbiology, 2019, 42, 457-467.	2.8	22

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145	â€œCandidatus Haloectosymbiotes riaformosensisâ€•(Halobacteriaceae), an archaeal ectosymbiont of the hypersaline ciliate Platynematum salinarum. Systematic and Applied Microbiology, 2014, 37, 244-251.	2.8	21
146	Prokaryotic microbiota in the digestive cavity of the jellyfish Cotylorhiza tuberculata. Systematic and Applied Microbiology, 2015, 38, 494-500.	2.8	21
147	High-throughput cultivation of heterotrophic bacteria during a spring phytoplankton bloom in the North Sea. Systematic and Applied Microbiology, 2020, 43, 126066.	2.8	21
148	Determination of cobalamins (hydroxo-, cyano-, adenosyl- and methyl-cobalamins) in seawater using reversed-phase liquid chromatography with diode-array detection. Analytica Chimica Acta, 2011, 701, 81-85.	5.4	20
149	Predominance of deterministic microbial community dynamics in salterns exposed to different light intensities. Environmental Microbiology, 2019, 21, 4300-4315.	3.8	20
150	Strain M300 Represents a new Genomovar within Pseudomonas stutzeri. Systematic and Applied Microbiology, 1996, 19, 596-599.	2.8	19
151	Identification of a bacterial strain isolated from the liver of a laboratory mouse as Microbacterium paraoxydans and emended description of the species Microbacterium paraoxydans Laffineur et al 2003. Indian Journal of Microbiology, 2008, 48, 243-251.	2.7	19
152	DNAâ€“DNA Hybridization. Methods in Microbiology, 2011, 38, 325-347.	0.8	19
153	Neoscardovia arbecensis gen. nov., sp. nov., isolated from porcine slurries. Systematic and Applied Microbiology, 2012, 35, 374-379.	2.8	19
154	Public discussion on a proposed revision of the International Code of Nomenclature of Prokaryotes. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	19
155	Labrys wisconsinensis sp. nov., a budding bacterium isolated from Lake Michigan water, and emended description of the genus Labrys. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1570-1576.	1.7	17
156	Ancestry and adaptive radiation of Bacteroidetes as assessed by comparative genomics. Systematic and Applied Microbiology, 2020, 43, 126065.	2.8	17
157	Preparing a revision of the International Code of Nomenclature of Prokaryotes. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	17
158	Effect of the natural arsenic gradient on the diversity and arsenic resistance of bacterial communities of the sediments of Camarones River (Atacama Desert, Chile). PLoS ONE, 2018, 13, e0195080.	2.5	16
159	Emendation of General Consideration 5 and Rules 18a, 24a and 30 of the International Code of Nomenclature of Prokaryotes to resolve the status of the Cyanobacteria in the prokaryotic nomenclature. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	15
160	Microbial colonization in the seagrassPosidoniaspp. roots. Marine Biology Research, 2005, 1, 388-395.	0.7	14
161	Distinct ecotypes within a natural haloarchaeal population enable adaptation to changing environmental conditions without causing population sweeps. ISME Journal, 2021, 15, 1178-1191.	9.8	14
162	Addressing the sublime scale of the microbial world: reconciling an appreciation of microbial diversity with the need to describe species. New Microbes and New Infections, 2021, 43, 100931.	1.6	14

#	Article	IF	Citations
163	MALDI-TOF MS: A return to phenotyping in microbial identification?. Systematic and Applied Microbiology, 2011, 34, 1.	2.8	13
164	Mycoplasma neophronis sp. nov., isolated from the upper respiratory tract of Canarian Egyptian vultures (Neophron percnopterus majorensis). International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1321-1325.	1.7	13
165	Filimonas aurantiibacter sp. nov., an orange-pigmented bacterium isolated from lake water and emended description of the genus Filimonas. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4027-4032.	1.7	13
166	Profiling the Bladder Microbiota in Patients With Bladder Cancer. Frontiers in Microbiology, 2021, 12, 718776.	3.5	13
167	Toward quantifying the adaptive role of bacterial pangenomes during environmental perturbations. ISME Journal, 2022, 16, 1222-1234.	9.8	13
168	Taxonomy in the age of genomics. Systematic and Applied Microbiology, 2015, 38, 207-208.	2.8	12
169	Glycine Betaine and Ectoine Are the Major Compatible Solutes Used by Four Different Halophilic Heterotrophic Ciliates. Microbial Ecology, 2019, 77, 317-331.	2.8	12
170	Advantages outweigh concerns about using genome sequence as type material for prokaryotic taxonomy. Environmental Microbiology, 2020, 22, 819-822.	3.8	12
171	Defining Microbial Diversity-the Species Concept for Prokaryotic and Eukaryotic Microorganisms. , 2014, , 29-39.		11
172	Landscapes and bacterial signatures of mucosa-associated intestinal microbiota in Chilean and Spanish patients with inflammatory bowel disease. Microbial Cell, 2021, 8, 223-238.	3.2	11
173	Emended description of the species Lampropedia hyalina. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1709-1715.	1.7	10
174	Harmonized Phylogenetic Trees for The Prokaryotes. , 2014, , 1-3.		10
175	Technical note: Comparison of automated ribosomal intergenic spacer analysis and denaturing gradient gel electrophoresis to assess bacterial diversity in the rumen of sheep1. Journal of Animal Science, 2014, 92, 1083-1088.	0.5	10
176	Novel Genes Involved in Resistance to Both Ultraviolet Radiation and Perchlorate From the Metagenomes of Hypersaline Environments. Frontiers in Microbiology, 2020, 11, 453.	3.5	10
177	Cultivable Winogradskyella species are genomically distinct from the sympatric abundant candidate species. ISME Communications, 2021, 1, .	4.2	10
178	Non-halophilic endophytes associated with the euhalophyte Arthrocnemum macrostachyum and their plant growth promoting activity potential. FEMS Microbiology Letters, 2018, 365, .	1.8	9
179	Prokaryotic and viral community of the sulfateâ€rich crust from PeÃ±ahueca ephemeral lake, an astrobiology analogue. Environmental Microbiology, 2019, 21, 3577-3600.	3.8	9
180	Reply to the commentary â€œUncultivated microbesâ€”in need of their own nomenclature?â€• ISME Journal, 2018, 12, 653-654.	9.8	8

#	Article	IF	Citations
181	Opinion: Response to concerns about the use of DNA sequences as types in the nomenclature of prokaryotes. Systematic and Applied Microbiology, 2020, 43, 126070.	2.8	8
182	Solar salterns as model systems to study the units of bacterial diversity that matter for ecosystem functioning. Current Opinion in Biotechnology, 2022, 73, 151-157.	6.6	8
183	Zoogloea ramigera: A phylogenetically diverse species. FEMS Microbiology Letters, 1993, 114, 129-133.	1.8	8
184	Judicial Opinions 103â€“111. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	1.7	8
185	The Least Common Denominator: Species or Operational Taxonomic Units?. , 0, , 117-130.		7
186	Comparative genome analysis of the genus Hydrotalea and proposal of the novel species Hydrotalea lipotrueae sp. nov., isolated from a groundwater aquifer in the south of Mallorca Island, Spain. Systematic and Applied Microbiology, 2021, 44, 126277.	2.8	7
187	Evaluation of the 18S rRNA clone library approach to study the diversity of the macroeukaryotic leaf-epiphytic community of the seagrass Posidonia oceanica (L.) Delile. Marine Biology, 2009, 156, 1963-1976.	1.5	6
188	Reply to â€œThe Underestimation of Global Microbial Diversityâ€• MBio, 2016, 7, .	4.1	6
189	Ancient saltern metagenomics: tracking changes in microbes and their viruses from the underground to the surface. Environmental Microbiology, 2021, 23, 3477-3498.	3.8	6
190	Reflections on the introduction of the Digital Protologue Database â€“ a partial success?. Antonie Van Leeuwenhoek, 2019, 112, 141-143.	1.7	5
191	Consent insufficient for data releaseâ€”Response. Science, 2019, 364, 446-446.	12.6	5
192	Inverted microbial community stratification and spatialâ€“temporal stability in hypersaline anaerobic sediments from the Sâ€™Avall solar salterns. Systematic and Applied Microbiology, 2021, 44, 126231.	2.8	5
193	The genus Allochromatium (Chromatiales Chromatiaceae) revisited: A study on its intragenic structure based on multilocus sequence analysis (MLSA) and DNAâ€“DNA hybridization (DDH). Systematic and Applied Microbiology, 2011, 34, 590-594.	2.8	4
194	Reflections on the introduction of the Digital Protologue Database â€” A partial success?. Systematic and Applied Microbiology, 2019, 42, 1-2.	2.8	4
195	The species concept for prokaryotic microorganismsâ€”An obstacle for describing diversity?. Poiesis & Praxis, 2004, 3, 62-72.	0.3	3
196	Moving the cataloguing of the â€œuncultivated majorityâ€• forward. Systematic and Applied Microbiology, 2019, 42, 3-4.	2.8	3
197	Salinibacter Ruber: Genomics and Biogeography. , 2005, , 255-266.		3
198	The Family Rhodobiaceae. , 2014, , 513-531.		3

#	Article	IF	Citations
199	Application of temperature gradient gel electrophoresis technique to monitor changes in the structure of the eukaryotic leaf-epiphytic community of Posidonia oceanica. Marine Biology, 2008, 155, 451-460.	1.5	2
200	Bioaugmentation withPseudomonassp. strain MHP41 promotes simazine attenuation and bacterial community changes in agricultural soils. FEMS Microbiology Ecology, 2010, 72, 152-152.	2.7	2
201	Complete mitochondrial genome of the pearly razorfish Xyrichtys novacula: phylogenetic analysis of its placement within the Labridae family. Mitochondrial DNA Part B: Resources, 2020, 5, 644-645.	0.4	2
202	From Genomics to Microevolution and Ecology: The Case of Salinibacter ruber. , 2011, , 109-122.		2
203	Phylogeny and In Situ Identification of Magnetotactic Bacteria. , 2005, , 45-60.		1
204	A new scope for Systematic and Applied Microbiology. Systematic and Applied Microbiology, 2006, 29, 1-2.	2.8	1
205	ComposiciÃ³n de la comunidad procariota involucrada en la producciÃ³n de nitrÃ³geno en sedimentos de la bahÃa Mejillones. Revista De Biologia Marina Y Oceanografia, 2014, 49, 225-241.	0.2	1
206	Litter Management Strategies and Their Impact on the Environmental and Respiratory Microbiome Might Influence Health in Poultry. Microorganisms, 2022, 10, 878.	3.6	1
207	All-Species Living Tree Project. , 2013, , 1-11.		0
208	Species. , 2014, , 1-2.		0
209	Species. , 2015, , 2304-2306.		0