William B Whitman

List of Publications by Citations

330 papers	18,150 citations	61 h-index	130 g-index
344 ext. papers	22,648 ext. citations	5.7 avg, IF	6.78 L-index

#	Paper	IF	Citations
330	Prokaryotes: the unseen majority. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 6578-83	11.5	3211
329	Uniting the classification of cultured and uncultured bacteria and archaea using 16S rRNA gene sequences. *Nature Reviews Microbiology*, **2014**, 12, 635-45	22.2	1290
328	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	2.2	814
327	Metabolic, phylogenetic, and ecological diversity of the methanogenic archaea. *Annals of the New York Academy of Sciences*, **2008**, 1125, 171-89	6.5	750
326	Quantitative comparisons of 16S rRNA gene sequence libraries from environmental samples. *Applied and Environmental Microbiology*, **2001**, 67, 4374-6	4.8	527
325	The ecological coherence of high bacterial taxonomic ranks. *Nature Reviews Microbiology*, **2010**, 8, 523-9	22.2	406
324	RNA-dependent cysteine biosynthesis in archaea. *Science*, **2005**, 307, 1969-72	33.3	397
323	Relative impacts of land-use, management intensity and fertilization upon soil microbial community structure in agricultural systems. *Soil Biology and Biochemistry*, **2008**, 40, 2843-2853	7.5	368
322	RNA-dependent conversion of phosphoserine forms selenocysteine in eukaryotes and archaea. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18923-7	11.5	359
321	Genome sequence of Silicibacter pomeroyi reveals adaptations to the marine environment. *Nature*, **2004**, 432, 910-3	50.4	345
320	Measurement of deoxyguanosine/thymidine ratios in complex mixtures by high-performance liquid chromatography for determination of the mole percentage guanine + cytosine of DNA. *Journal of Chromatography A*, **1989**, 479, 297-306	4.5	318
319	Land-use history has a stronger impact on soil microbial community composition than aboveground vegetation and soil properties. *Soil Biology and Biochemistry*, **2011**, 43, 2184-2193	7.5	276
318	Bacterial taxa that limit sulfur flux from the ocean. *Science*, **2006**, 314, 649-52	33.3	247
317	Proposal to reclassify the proteobacterial classes and , and the phylum into four phyla reflecting major functional capabilities. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 5972-6016	2.2	205
316	Silicibacter pomeroyi sp. nov. and Roseovarius nubinhibens sp. nov., dimethylsulfoniopropionate-demethylating bacteria from marine environments. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 1261-1269	2.2	189
315	Complete genome sequence of the genetically tractable hydrogenotrophic methanogen Methanococcus maripaludis. *Journal of Bacteriology*, **2004**, 186, 6956-69	3.5	184
314	Molecular and culture-based analyses of prokaryotic communities from an agricultural soil and the burrows and casts of the earthworm Lumbricus rubellus. *Applied and Environmental Microbiology*, **2002**, 68, 1265-79	4.8	181

313	Diversity and Taxonomy of Methanogens **1993**, 35-80		176
312	1,003 reference genomes of bacterial and archaeal isolates expand coverage of the tree of life. *Nature Biotechnology*, **2017**, 35, 676-683	44.5	161
311	Nickel-containing factor F430: chromophore of the methylreductase of Methanobacterium. *Proceedings of the National Academy of Sciences of the United States of America*, **1982**, 79, 3707-10	11.5	156
310	Genomic encyclopedia of bacteria and archaea: sequencing a myriad of type strains. *PLoS Biology*, **2014**, 12, e1001920	9.7	146
309	Isolation and characterization of 22 mesophilic methanococci. *Systematic and Applied Microbiology*, **1986**, 7, 235-240	4.2	144
308	Presence of nickel in factor F430 from Methanobacterium bryantii. *Biochemical and Biophysical Research Communications*, **1980**, 92, 1196-201	3.4	139
307	Linking species richness, biodiversity and ecosystem function in soil systems. *Pedobiologia*, **2005**, 49, 479-497	1.7	133
306	Bacterial Catabolism of Dimethylsulfoniopropionate (DMSP). *Frontiers in Microbiology*, **2011**, 2, 172	5.7	127
305	Identification of uncultured bacteria tightly associated with the intestine of the earthworm Lumbricus rubellus (Lumbricidae; Oligochaeta). *Soil Biology and Biochemistry*, **2003**, 35, 1547-1555	7.5	124
304	Genomic insights into bacterial DMSP transformations. *Annual Review of Marine Science*, **2012**, 4, 523-42	15.4	117
303	Methanogenesis. *Current Biology*, **2018**, 28, R727-R732	6.3	116
302	Whole Genome Analyses Suggests that sensu lato Contains Two Additional Novel Genera (gen. nov., and gen. nov.): Implications for the Evolution of Diazotrophy and Nodulation in the. *Genes*, **2018**, 9,	4.2	115
301	Genome-scale analysis of gene function in the hydrogenotrophic methanogenic archaeon Methanococcus maripaludis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4726-31	11.5	113
300	The Methanogenic Bacteria **2006**, 165-207		110
299	Transformation ofMethanococcus maripaludisand identification of aPstI-like restriction system. *FEMS Microbiology Letters*, **1994**, 121, 309-314	2.9	102
298	Novel pathway for assimilation of dimethylsulphoniopropionate widespread in marine bacteria. *Nature*, **2011**, 473, 208-11	50.4	98
297	Revised road map to the phylum Firmicutes **2009**, 1-13		93
296	Dimethylsulfoniopropionate-dependent demethylase (DmdA) from Pelagibacter ubique and Silicibacter pomeroyi. *Journal of Bacteriology*, **2008**, 190, 8018-24	3.5	89

295	A reconstruction of the metabolism of Methanococcus jannaschii from sequence data. *Gene*, **1997**, 197, GC11-26	3.8	87
294	Desulfonatronum thiodismutans sp. nov., a novel alkaliphilic, sulfate-reducing bacterium capable of lithoautotrophic growth. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 1327-1332	2.2	86
293	Phylogenomic analyses of a clade within the roseobacter group suggest taxonomic reassignments of species of the genera Aestuariivita, Citreicella, Loktanella, Nautella, Pelagibaca, Ruegeria, Thalassobius, Thiobacimonas and Tropicibacter, and the proposal of six novel genera. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 2393-2411	2.2	86
292	Genomic characterization of methanomicrobiales reveals three classes of methanogens. *PLoS ONE*, **2009**, 4, e5797	3.7	85
291	Soil bacterial community succession during long-term ecosystem development. *Molecular Ecology*, **2013**, 22, 3415-24	5.7	81
290	Differences in the composition and diversity of bacterial communities from agricultural and forest soils. *Soil Biology and Biochemistry*, **2008**, 40, 1294-1305	7.5	81
289	Essential anaplerotic role for the energy-converting hydrogenase Eha in hydrogenotrophic methanogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15473-8	11.5	79
288	Growth and plating efficiency of methanococci on agar media. *Applied and Environmental Microbiology*, **1983**, 46, 220-6	4.8	79
287	Rebuttal: Problems with Prokaryote *Journal of Bacteriology*, **2009**, 191, 2011-2011	3.5	78
286	Physiology and Biochemistry of the Methane-Producing Archaea **2006**, 1050-1079		75
285	Development of soil microbial communities during tallgrass prairie restoration. *Soil Biology and Biochemistry*, **2010**, 42, 302-312	7.5	73
284	Sulfur metabolism in archaea reveals novel processes. *Environmental Microbiology*, **2012**, 14, 2632-44	5.2	72
283	Genomic Encyclopedia of Type Strains, Phase I: The one thousand microbial genomes (KMG-I) project. *Standards in Genomic Sciences*, **2014**, 9, 1278-84		72
282	Microbial community succession and bacterial diversity in soils during 77,000 years of ecosystem development. *FEMS Microbiology Ecology*, **2008**, 64, 129-40	4.3	72
281	Polycyclovorans algicola gen. nov., sp. nov., an aromatic-hydrocarbon-degrading marine bacterium found associated with laboratory cultures of marine phytoplankton. *Applied and Environmental Microbiology*, **2013**, 79, 205-14	4.8	70
280	Spirochaeta americana sp. nov., a new haloalkaliphilic, obligately anaerobic spirochaete isolated from soda Mono Lake in California. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 815-821	2.2	69
279	Method for isolation of auxotrophs in the methanogenic archaebacteria: role of the acetyl-CoA pathway of autotrophic CO2 fixation in Methanococcus maripaludis. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 5598-602	11.5	69
278	Genome Data Provides High Support for Generic Boundaries in Sensu Lato. *Frontiers in Microbiology* , **2017**, 8, 1154	5.7	66

277	Roadmap for naming uncultivated Archaea and Bacteria. *Nature Microbiology*, **2020**, 5, 987-994	26.6	64
276	Bacterial communities in soil mimic patterns of vegetative succession and ecosystem climax but are resilient to change between seasons. *Soil Biology and Biochemistry*, **2013**, 57, 749-757	7.5	64
275	Methanococcus aeolicus sp. nov., a mesophilic, methanogenic archaeon from shallow and deep marine sediments. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 1525-1529	2.2	64
274	Quantitative proteomics of the archaeon Methanococcus maripaludis validated by microarray analysis and real time PCR. *Molecular and Cellular Proteomics*, **2006**, 5, 868-81	7.6	63
273	Facile assay of enzymes unique to the Calvin cycle in intact cells, with special reference to ribulose 1,5-bisphosphate carboxylase. *Analytical Biochemistry*, **1978**, 84, 462-72	3.1	63
272	Cysteine is not the sulfur source for iron-sulfur cluster and methionine biosynthesis in the methanogenic archaeon Methanococcus maripaludis. *Journal of Biological Chemistry*, **2010**, 285, 31923-9	5.4	62
271	Functionally distinct genes regulated by hydrogen limitation and growth rate in methanogenic Archaea. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 8930-4	11.5	62
270	Genome sequences as the type material for taxonomic descriptions of prokaryotes. *Systematic and Applied Microbiology*, **2015**, 38, 217-22	4.2	61
269	Methanogens: a window into ancient sulfur metabolism. *Trends in Microbiology*, **2012**, 20, 251-8	12.4	61
268	Porticoccus hydrocarbonoclasticus sp. nov., an aromatic hydrocarbon-degrading bacterium identified in laboratory cultures of marine phytoplankton. *Applied and Environmental Microbiology*, **2012**, 78, 628-37	4.8	61
267	Formate-dependent H2 production by the mesophilic methanogen Methanococcus maripaludis. *Applied and Environmental Microbiology*, **2008**, 74, 6584-90	4.8	60
266	Modest proposals to expand the type material for naming of prokaryotes. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 2108-2112	2.2	59
265	Road map of the phylum Actinobacteria **2012**, 1-28		58
264	Evolution of Dimethylsulfoniopropionate Metabolism in Marine Phytoplankton and Bacteria. *Frontiers in Microbiology*, **2017**, 8, 637	5.7	57
263	Solirubrobacter pauli gen. nov., sp. nov., a mesophilic bacterium within the Rubrobacteridae related to common soil clones. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 485-490	2.2	57
262	Inhibition of D-ribulose 1,5-bisphosphate carboxylase by pyridoxal 5'-phosphate. *Biochemical and Biophysical Research Communications*, **1976**, 71, 1034-9	3.4	57
261	Polycyclic aromatic hydrocarbon degradation of phytoplankton-associated Arenibacter spp. and description of Arenibacter algicola sp. nov., an aromatic hydrocarbon-degrading bacterium. *Applied and Environmental Microbiology*, **2014**, 80, 618-28	4.8	55
260	Novel chemolithotrophic, thermophilic, anaerobic bacteria Thermolithobacter ferrireducens gen. nov., sp. nov. and Thermolithobacter carboxydivorans sp. nov. *Extremophiles*, **2007**, 11, 145-57	3	55

259	Disruption of the operon encoding Ehb hydrogenase limits anabolic CO2 assimilation in the archaeon Methanococcus maripaludis. *Journal of Bacteriology*, **2006**, 188, 1373-80	3.5	55
258	Genetics of Methanococcus: possibilities for functional genomics in Archaea. *Molecular Microbiology*, **1999**, 33, 1-7	4.1	55
257	Genetic systems for hydrogenotrophic methanogens. *Methods in Enzymology*, **2011**, 494, 43-73	1.7	53
256	Heterologous expression of archaeal selenoprotein genes directed by the SECIS element located in the 3' non-translated region. *Molecular Microbiology*, **2001**, 40, 900-8	4.1	53
255	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	2.2	53
254	Transition of microbial communities during the adaption to anaerobic digestion of carrot waste. *Bioresource Technology*, **2011**, 102, 7249-56	11	52
253	Expression vectors for Methanococcus maripaludis: overexpression of acetohydroxyacid synthase and beta-galactosidase. *Genetics*, **1999**, 152, 1439-47	4	52
252	Meeting report: GenBank microbial genomic taxonomy workshop (12–13 May, 2015). *Standards in Genomic Sciences*, **2016**, 11,		51
251	Proposal of the suffix -ota to denote phyla. Addendum to 'Proposal to include the rank of phylum in the International Code of Nomenclature of Prokaryotes'. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 967-969	2.2	50
250	Genome sequence of Thermofilum pendens reveals an exceptional loss of biosynthetic pathways without genome reduction. *Journal of Bacteriology*, **2008**, 190, 2957-65	3.5	49
249	Genomic Encyclopedia of Bacterial and Archaeal Type Strains, Phase III: the genomes of soil and plant-associated and newly described type strains. *Standards in Genomic Sciences*, **2015**, 10, 26		48
248	Global responses of Methanococcus maripaludis to specific nutrient limitations and growth rate. *Journal of Bacteriology*, **2008**, 190, 2198-205	3.5	48
247	Gracilibacter thermotolerans gen. nov., sp. nov., an anaerobic, thermotolerant bacterium from a constructed wetland receiving acid sulfate water. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2089-2093	2.2	47
246	Presence of coenzyme M derivatives in the prosthetic group (coenzyme MF430) of methylcoenzyme M reductase from Methanobacterium thermoautotrophicum. *Biochemical and Biophysical Research Communications*, **1982**, 108, 495-503	3.4	46
245	Tindallia californiensis sp. nov., a new anaerobic, haloalkaliphilic, spore-forming acetogen isolated from Mono Lake in California. *Extremophiles*, **2003**, 7, 327-34	3	45
244	Algiphilus aromaticivorans gen. nov., sp. nov., an aromatic hydrocarbon-degrading bacterium isolated from a culture of the marine dinoflagellate Lingulodinium polyedrum, and proposal of Algiphilaceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 2743-2749	2.2	44
243	The Order Methanomicrobiales **2006**, 208-230		44
242	Changes in the soil bacterial communities in a cedar plantation invaded by moso bamboo. *Microbial Ecology*, **2014**, 67, 421-9	4.4	43

241	Biosynthesis of 4-thiouridine in tRNA in the methanogenic archaeon Methanococcus maripaludis. *Journal of Biological Chemistry*, **2012**, 287, 36683-92	5.4	43
240	Genome-informed Bradyrhizobium taxonomy: where to from here?. *Systematic and Applied Microbiology*, **2019**, 42, 427-439	4.2	41
239	Populations of methanogenic bacteria in a georgia salt marsh. *Applied and Environmental Microbiology*, **1988**, 54, 1151-7	4.8	41
238	The importance of designating type material for uncultured taxa. *Systematic and Applied Microbiology*, **2019**, 42, 15-21	4.2	40
237	Role of Amino Acids and Vitamins in Nutrition of Mesophilic Methanococcus spp. *Applied and Environmental Microbiology*, **1987**, 53, 2373-8	4.8	39
236	Thermococcus thioreducens sp. nov., a novel hyperthermophilic, obligately sulfur-reducing archaeon from a deep-sea hydrothermal vent. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 1612-1618	2.2	38
235	Abundance of 4Fe-4S motifs in the genomes of methanogens and other prokaryotes. *FEMS Microbiology Letters*, **2004**, 239, 117-23	2.9	38
234	Proteocatella sphenisci gen. nov., sp. nov., a psychrotolerant, spore-forming anaerobe isolated from penguin guano. *International Journal of Systematic and Evolutionary Microbiology*, **2009**, 59, 2302-7	2.2	36
233	The modern concept of the procaryote. *Journal of Bacteriology*, **2009**, 191, 2000-5; discussion 2006-7	3.5	35
232	Modification of Rhodospirillum rubrum ribulose bisphosphate carboxylase with pyridoxal phosphate. 1. Identification of a lysyl residue at the active site. *Biochemistry*, **1978**, 17, 1282-7	3.2	35
231	A Flexible System for Cultivation of and Other Formate-Utilizing Methanogens. *Archaea*, **2017**, 2017, 7046026	2	34
230	Bacterial community diversity in undisturbed perhumid montane forest soils in Taiwan. *Microbial Ecology*, **2010**, 59, 369-78	4.4	34
229	Trichococcus patagoniensis sp. nov., a facultative anaerobe that grows at -5 degrees C, isolated from penguin guano in Chilean Patagonia. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2055-2062	2.2	34
228	Phylum All. Euryarchaeota phy. nov. **2001**, 211-355		34
227	Anabolic Pathways in Methanogens **1993**, 445-472		34
226	A standardized archaeal taxonomy for the Genome Taxonomy Database. *Nature Microbiology*, **2021**, 6, 946-959	26.6	34
225	Metabolism of dimethylsulphoniopropionate by Ruegeria pomeroyi DSS-3. *Molecular Microbiology*, **2013**, 89, 774-91	4.1	33
224	Biochemical and genetic characterization of an early step in a novel pathway for the biosynthesis of aromatic amino acids and p-aminobenzoic acid in the archaeon Methanococcus maripaludis. *Molecular Microbiology*, **2006**, 62, 1117-31	4.1	33

223	Engineering the Autotroph Methanococcus maripaludis for Geraniol Production. *ACS Synthetic Biology*, **2016**, 5, 577-81	5.7	32
222	Methanogenic Bacteria **1985**, 3-84		32
221	Microbial 16S gene-based composition of a sorghum cropped rhizosphere soil under different fertilization managements. *Biology and Fertility of Soils*, **2015**, 51, 661-672	6.1	31
220	Characterization of energy-conserving hydrogenase B in Methanococcus maripaludis. *Journal of Bacteriology*, **2010**, 192, 4022-30	3.5	31
219	Continuous culture of Methanococcus maripaludis under defined nutrient conditions. *FEMS Microbiology Letters*, **2004**, 238, 85-91	2.9	31
218	Incorporation of Exogenous Purines and Pyrimidines by Methanococcus voltae and Isolation of Analog-Resistant Mutants. *Applied and Environmental Microbiology*, **1987**, 53, 1822-6	4.8	31
217	Detection of methyl salicylate using bi-enzyme electrochemical sensor consisting salicylate hydroxylase and tyrosinase. *Biosensors and Bioelectronics*, **2016**, 85, 603-610	11.8	31
216	Anaerovirgula multivorans gen. nov., sp. nov., a novel spore-forming, alkaliphilic anaerobe isolated from Owens Lake, California, USA. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2623-2629	2.2	29
215	Complete genome sequence of Methanoculleus marisnigri Romesser et al. 1981 type strain JR1. *Standards in Genomic Sciences*, **2009**, 1, 189-96		28
214	Two biosynthetic pathways for aromatic amino acids in the archaeon Methanococcus maripaludis. *Journal of Bacteriology*, **2004**, 186, 4940-50	3.5	28
213	Continuous culture ofMethanococcus maripaludisunder defined nutrient conditions. *FEMS Microbiology Letters*, **2004**, 238, 85-91	2.9	28
212	Identifying labile DOM components in a coastal ocean through depleted bacterial transcripts and chemical signals. *Environmental Microbiology*, **2018**, 20, 3012-3030	5.2	27
211	Cloning and phylogenetic analysis of the genes encoding acetohydroxyacid synthase from the archaeon Methanococcus aeolicus. *Gene*, **1997**, 188, 77-84	3.8	27
210	A newly-isolated marine methanogen harbors a small cryptic plasmid. *Archives of Microbiology*, **1985**, 142, 259-61	3	27
209	The complete genome sequence of Staphylothermus marinus reveals differences in sulfur metabolism among heterotrophic Crenarchaeota. *BMC Genomics*, **2009**, 10, 145	4.5	26
208	Complete genome sequence of Methanocorpusculum labreanum type strain Z. *Standards in Genomic Sciences*, **2009**, 1, 197-203		26
207	Toward unrestricted use of public genomic data. *Science*, **2019**, 363, 350-352	33.3	25
206	Changes of soil bacterial communities in bamboo plantations at different elevations. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	25

205	Dialogue on the nomenclature and classification of prokaryotes. *Systematic and Applied Microbiology*, **2019**, 42, 5-14	4.2	24
204	Physiology and Biochemistry of the Methane-Producing Archaea **2013**, 635-662		24
203	Change in bacterial community structure in response to disturbance of natural hardwood and secondary coniferous forest soils in central taiwan. *Microbial Ecology*, **2011**, 61, 429-37	4.4	24
202	Cysteinyl-tRNA formation: the last puzzle of aminoacyl-tRNA synthesis. *FEBS Letters*, **1999**, 462, 302-6	3.8	24
201	Soil bacterial communities in native and regenerated perhumid montane forests. *Applied Soil Ecology*, **2011**, 47, 111-118	5	23
200	The diverse bacterial community in intertidal, anaerobic sediments at Sapelo Island, Georgia. *Microbial Ecology*, **2009**, 58, 244-61	4.4	23
199	Thermoanaerobacter sulfurigignens sp. nov., an anaerobic thermophilic bacterium that reduces 1 M thiosulfate to elemental sulfur and tolerates 90 mM sulfite. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 1429-1434	2.2	23
198	The importance of porE and porF in the anabolic pyruvate oxidoreductase of Methanococcus maripaludis. *Archives of Microbiology*, **2004**, 181, 68-73	3	22
197	The anabolic pyruvate oxidoreductase from Methanococcus maripaludis. *Archives of Microbiology*, **2003**, 179, 444-56	3	22
196	Nonenzymatic acetolactate oxidation to diacetyl by flavin, nicotinamide and quinone coenzymes. *Biochimica Et Biophysica Acta - General Subjects*, **1995**, 1245, 366-70	4	22
195	Cedar and bamboo plantations alter structure and diversity of the soil bacterial community from a hardwood forest in subtropical mountain. *Applied Soil Ecology*, **2017**, 112, 28-33	5	21
194	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. *Frontiers in Marine Science*, **2017**, 4,	4.5	21
193	Structures of dimethylsulfoniopropionate-dependent demethylase from the marine organism Pelagabacter ubique. *Protein Science*, **2012**, 21, 289-98	6.3	21
192	Methanococci use the diaminopimelate aminotransferase (DapL) pathway for lysine biosynthesis. *Journal of Bacteriology*, **2010**, 192, 3304-10	3.5	21
191	The Sac10b homolog in Methanococcus maripaludis binds DNA at specific sites. *Journal of Bacteriology*, **2009**, 191, 2315-29	3.5	21
190	Changes in structure and function of bacterial communities during coconut leaf vermicomposting. *Antonie Van Leeuwenhoek*, **2017**, 110, 1339-1355	2.1	20
189	The relationship of the whole genome sequence identity to DNA hybridization varies between genera of prokaryotes. *Antonie Van Leeuwenhoek*, **2015**, 107, 241-9	2.1	20
188	Drought-induced variability in dissolved organic matter composition in a marsh-dominated estuary. *Geophysical Research Letters*, **2015**, 42, 6446-6453	4.9	20

187	Development of genetic approaches for the methane-producing archaebacterium Methanococcus maripaludis. *BioFactors*, **1997**, 6, 37-46	6.1	20
186	Detection of lateral gene transfer events in the prokaryotic tRNA synthetases by the ratios of evolutionary distances method. *Journal of Molecular Evolution*, **2004**, 58, 615-31	3.1	20
185	Draft genome sequences of sp. nov. ERR11 and CCBAU 10071. *Standards in Genomic Sciences*, **2017**, 12, 74		19
184	Request for revision of the Statutes of the International Committee on Systematics of Prokaryotes. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 584-593	2.2	19
183	Methanococcales **2006**, 257-273		18
182	Purification and analysis of cobamides of Methanobacterium bryantii by high-performance liquid chromatography. *Analytical Biochemistry*, **1984**, 137, 261-5	3.1	18
181	Minutes of the International Committee on Systematics of Prokaryotes online discussion on the proposed use of gene sequences as type for naming of prokaryotes, and outcome of vote. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 4416-4417	2.2	18
180	Resolving widespread incomplete and uneven archaeal classifications based on a rank-normalized genome-based taxonomy		18
179	Progressive and retrogressive ecosystem development coincide with soil bacterial community change in a dune system under lowland temperate rainforest in New Zealand. *Plant and Soil*, **2013**, 367, 235-247	4.2	17
178	Draft genome sequence of type strain HBR26 and description of sp. nov. *Standards in Genomic Sciences*, **2017**, 12, 14		17
177	Determination of the G+C Content of Prokaryotes. *Methods in Microbiology*, **2011**, 38, 299-324	2.8	17
176	Changes in Microbial Functional Diversity and Activity in Paddy Soils Irrigated with Industrial Wastewaters in Bandung, West Java Province, Indonesia. *Water, Air, and Soil Pollution*, **2011**, 217, 491-502	2.6	17
175	Isolation and sequence of the pyridoxal 5'-phosphate active-site peptide from Rhodospirillum rubrum ribulose-1,5-bisphosphate carboxylase/oxygenase. *Biochemistry*, **1980**, 19, 4848-53	3.2	17
174	Modification of Rhodospirillum rubrum ribulose bisphosphate carboxylase with pyridoxal phosphate. 2. Stoichiometry and kinetics of inactivation. *Biochemistry*, **1978**, 17, 1288-93	3.2	17
173	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	2.2	17
172	Composition of bacterial communities in sand dunes of subtropical coastal forests. *Biology and Fertility of Soils*, **2014**, 50, 809-814	6.1	16
171	Genome of Methanocaldococcus (Methanococcus) jannaschii. *Methods in Enzymology*, **2001**, 330, 40-123	1.7	16
170	Isolation of acetate auxotrophs of the methane-producing archaeon Methanococcus maripaludis by random insertional mutagenesis. *Genetics*, **1999**, 152, 1429-37	4	16

169	Pyruvate oxidation by Methanococcus spp.. *Archives of Microbiology*, **1992**, 158, 271-275	3	15
168	Comparison of soil bacterial communities in a natural hardwood forest and coniferous plantations in perhumid subtropical low mountains. *Botanical Studies*, **2014**, 55, 50	2.3	14
167	A call to action for the International Committee on Systematics of Prokaryotes. *Trends in Microbiology*, **2013**, 21, 51-2	12.4	14
166	The putative tRNA 2-thiouridine synthetase Ncs6 is an essential sulfur carrier in Methanococcus maripaludis. *FEBS Letters*, **2014**, 588, 873-7	3.8	14
165	Transplanting the pathway engineering toolbox to methanogens. *Current Opinion in Biotechnology*, **2019**, 59, 46-54	11.4	13
164	Assembly of Methyl Coenzyme M Reductase in the Methanogenic Archaeon Methanococcus maripaludis. *Journal of Bacteriology*, **2018**, 200,	3.5	13
163	Microbial metagenomes and metatranscriptomes during a coastal phytoplankton bloom. *Scientific Data*, **2019**, 6, 129	8.2	13
162	Regulatory and functional diversity of methylmercaptopropionate coenzyme A ligases from the dimethylsulfoniopropionate demethylation pathway in Ruegeria pomeroyi DSS-3 and other proteobacteria. *Journal of Bacteriology*, **2014**, 196, 1275-85	3.5	13
161	Diversity of the DNA replication system in the Archaea domain. *Archaea*, **2014**, 2014, 675946	2	13
160	Draft Genome Sequence of Geobacillus thermopakistaniensis Strain MAS1. *Genome Announcements* , **2014**, 2,		13
159	Comparison of soil bacterial communities between coastal and inland forests in a subtropical area. *Applied Soil Ecology*, **2012**, 60, 49-55	5	13
158	Crystal structure of DmdD, a crotonase superfamily enzyme that catalyzes the hydration and hydrolysis of methylthioacryloyl-CoA. *PLoS ONE*, **2013**, 8, e63870	3.7	13
157	Intracellular pyruvate flux in the methane-producing archaeon Methanococcus maripaludis. *Archives of Microbiology*, **2002**, 178, 493-8	3	13
156	Functional response of the soil microbial community to biochar applications. *GCB Bioenergy*, **2021**, 13, 269-281	5.6	12
155	Development of Multiwell-Plate Methods Using Pure Cultures of Methanogens To Identify New Inhibitors for Suppressing Ruminant Methane Emissions. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	11
154	Raineyella antarctica gen. nov., sp. nov., a psychrotolerant, d-amino-acid-utilizing anaerobe isolated from two geographic locations of the Southern Hemisphere. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 5529-5536	2.2	11
153	Bacteria and the Fate of Estrogen in the Environment. *Cell Chemical Biology*, **2017**, 24, 652-653	8.2	10
152	The Methanogenic Bacteria **2014**, 123-163		10

151	Paenibacillus polysaccharolyticus sp. nov., a xylanolytic and cellulolytic bacteria isolated from leaves of Bamboo Phyllostachys aureosulcata. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2127-2133	2.2	10
150	Polynucleobacter meluiroseus sp. nov., a bacterium isolated from a lake located in the mountains of the Mediterranean island of Corsica. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 1975-1985	2.2	10
149	sp. nov., a novel endophytic, N fixing, plant growth promoting isolated from oil palm (). *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 841-848	2.2	10
148	Posttranslational Methylation of Arginine in Methyl Coenzyme M Reductase Has a Profound Impact on both Methanogenesis and Growth of Methanococcus maripaludis. *Journal of Bacteriology*, **2020**, 202,	3.5	9
147	Arboriscoccus pini gen. nov., sp. nov., an endophyte from a pine tree of the class Alphaproteobacteria, emended description of Geminicoccus roseus, and proposal of Geminicoccaceae fam. nov. *Systematic and Applied Microbiology*, **2018**, 41, 94-100	4.2	9
146	Bacterial Diversity Patterns Differ in Soils Developing in Sub-tropical and Cool-Temperate Ecosystems. *Microbial Ecology*, **2017**, 73, 556-569	4.4	9
145	Bacterial community of very wet and acidic subalpine forest and fire-induced grassland soils. *Plant and Soil*, **2010**, 332, 417-427	4.2	9
144	Dimethylsulfoniopropionate Sulfur and Methyl Carbon Assimilation in Species. *MBio*, **2020**, 11,	7.8	9
143	Genome Sequence of Porticoccus hydrocarbonoclasticus Strain MCTG13d, an Obligate Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. *Genome Announcements*, **2015**, 3,		8
142	Tryptophan auxotrophs were obtained by random transposon insertions in the Methanococcus maripaludis tryptophan operon. *FEMS Microbiology Letters*, **2009**, 297, 250-4	2.9	8
141	Sphingomonas jatrophae sp. nov. and Sphingomonas carotinifaciens sp. nov., two yellow-pigmented endophytes isolated from stem tissues of Jatropha curcas L. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 5150-5158	2.2	8
140	The Need for Change. *Methods in Microbiology*, **2014**, 1-12	2.8	7
139	K-shuff: A Novel Algorithm for Characterizing Structural and Compositional Diversity in Gene Libraries. *PLoS ONE*, **2016**, 11, e0167634	3.7	7
138	Effects of Reforestation on the Structure and Diversity of Bacterial Communities in Subtropical Low Mountain Forest Soils. *Frontiers in Microbiology*, **2018**, 9, 1968	5.7	7
137	Evolution of the archaeal and mammalian information processing systems: towards an archaeal model for human disease. *Cellular and Molecular Life Sciences*, **2017**, 74, 183-212	10.3	6
136	Paenibacillus aquistagni sp. nov., isolated from an artificial lake accumulating industrial wastewater. *Antonie Van Leeuwenhoek*, **2017**, 110, 1189-1197	2.1	6
135	Genome Sequence of Halomonas sp. Strain MCTG39a, a Hydrocarbon-Degrading and Exopolymeric Substance-Producing Bacterium. *Genome Announcements*, **2015**, 3,		6
134	Role of the precorrin 6-X reductase gene in cobamide biosynthesis in Methanococcus maripaludis. *Archaea*, **2005**, 1, 375-84	2	6

133	Formate growth and pH control by volatile formic and acetic acids in batch cultures of methanococci. *Journal of Microbiological Methods*, **1989**, 10, 1-7	2.8	6
132	Oryzisolibacter propanilivorax gen. nov., sp. nov., a propanil-degrading bacterium. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 3752-3758	2.2	6
131	Genome Sequence of Arenibacter algicola Strain TG409, a Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. *Genome Announcements*, **2016**, 4,		6
130	The archaeal RNA chaperone TRAM0076 shapes the transcriptome and optimizes the growth of Methanococcus maripaludis. *PLoS Genetics*, **2019**, 15, e1008328	6	5
129	Draft genome sequence of the cellulolytic endophyte A37T2. *Standards in Genomic Sciences*, **2017**, 12, 53		5
128	Road map of the phylum Actinobacteria **2015**, 1-37		5
127	Lactobacillales ord. nov **2015**, 1-1		5
126	Solirubrobacter **2015**, 1-5		5
125	Error in G+C calculations (Letter). *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 1177-1177	2.2	5
124	Draft genome of strain 8N4 provides insights into the potential role of this species in its plant host. *PeerJ*, **2020**, 8, e8822	3.1	5
123	Transformation of Methanococcus maripaludis and identification of a Pst I-like restriction system		5
122	What archaea have to tell biologists. *Genetics*, **1999**, 152, 1245-8	4	5
121	Sanguibacter gelidistatuariae sp. nov., a novel psychrotolerant anaerobe from an ice sculpture in Antarctica, and emendation of descriptions of the family Sanguibacteraceae, the genus Sanguibacter and species S. antarcticus, S. inulinus, S. kedieii, S. marinus, S. soli and S. suarezii. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1442-1450	2.2	5
120	Reclassification of a Polynucleobacter cosmopolitanus strain isolated from tropical Lake Victoria as Polynucleobacter victoriensis sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 5087-5093	2.2	5
119	sp. nov., isolated from air sampling in maritime Antarctica. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 4935-4941	2.2	5
118	Statutes of the International Committee on Systematics of ProkaryotesSubcommittees and the Judicial Commission on Prokaryote Nomenclature of the Bacteriology and Applied Microbiology Division of the IUMS. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 1093-1100	2.2	5
117	Consent insufficient for data release-Response. *Science*, **2019**, 364, 446	33.3	4
116	Opinion: Response to concerns about the use of DNA sequences as types in the nomenclature of prokaryotes. *Systematic and Applied Microbiology*, **2020**, 43, 126070	4.2	4

115	Draft Genome Sequence of Tepidiphilus thermophilus Strain JHK30T (JCM 19170T) Isolated from a Terrestrial Hot Spring in India. *Genome Announcements*, **2016**, 4,		4
114	Draft Genome Sequence of Anoxybacillus suryakundensis Strain JS1T (DSM 27374T) Isolated from a Hot Spring in Jharkhand, India. *Genome Announcements*, **2016**, 4,		4
113	High-quality-draft genome sequence of the fermenting bacterium type strain GluBS11 (DSM 29698). *Standards in Genomic Sciences*, **2017**, 12, 24		4
112	Genome Sequence of Polycyclovorans algicola Strain TG408, an Obligate Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. *Genome Announcements*, **2015**, 3,		4
111	Molecular characterization of soil bacterial community in a perhumid, low mountain forest. *Microbes and Environments*, **2011**, 26, 325-31	2.6	4
110	RED-T: utilizing the Ratios of Evolutionary Distances for determination of alternative phylogenetic events. *Bioinformatics*, **2003**, 19, 2152-4	7.2	4
109	Draft Genome Sequence of Chelatococcus sambhunathii Strain HT4T (DSM 18167T) Isolated from a Hot Spring in India. *Genome Announcements*, **2016**, 4,		4
108	Paraburkholderia lycopersici sp. nov., a nitrogen-fixing species isolated from rhizoplane of Lycopersicon esculentum Mill. var. Saladette in Mexico. *Systematic and Applied Microbiology*, **2020**, 43, 126133	4.2	4
107	Genomic Metrics Applied to (): Species Reclassification, Identification of Unauthentic Genomes and False Type Strains. *Frontiers in Microbiology*, **2021**, 12, 614957	5.7	4
106	Draft Genome Sequence of Strain HT23 (DSM 23407), a Highly Arsenate-Tolerant Bacterium Isolated from a Hot Spring in India. *Genome Announcements*, **2017**, 5,		3
105	Draft Genome Sequence of Comamonas thiooxydans Strain S23T (DSM 17888T), a Thiosulfate-Oxidizing Bacterium Isolated from a Sulfur Spring in India. *Genome Announcements*, **2016**, 4,		3
104	Bacilli class. nov. **2015**, 1-1		3
103	Bacteroidetes phyl. nov. **2015**, 1-2		3
102	Similarity Analysis of DNAs624-652		3
101	Bosea psychrotolerans sp. nov., a psychrotrophic alphaproteobacterium isolated from Lake Michigan water. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 1376-1383	2.2	3
100	gen. nov., sp. nov., a new member of the family isolated from leaf tissues of oil palm (Jacq.). *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 2640-2647	2.2	3
99	sp. nov., a species isolated from L. rhizosphere in northeast Mexico. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 4165-4170	2.2	3
98	Mmp10 is required for post-translational methylation of arginine at the active site of methyl-coenzyme M reductase		3

97	Draft Genome Sequence of Gulbenkiania indica Strain HT27T (DSM 17901T) Isolated from a Sulfur Spring in India. *Genome Announcements*, **2016**, 4,		3
96	Genome Sequence of sp. Strain MCTG156(1a), Isolated from a Scottish Coastal Phytoplankton Net Sample. *Genome Announcements*, **2017**, 5,		2
95	The influences of thorny bamboo growth on the bacterial community in badland soils of southwestern Taiwan. *Land Degradation and Development*, **2018**, 29, 2728-2738	4.4	2
94	Structural basis for tRNA-dependent cysteine biosynthesis. *Nature Communications*, **2017**, 8, 1521	17.4	2
93	Methanococcaceae **2015**, 1-2		2
92	Solirubrobacterales **2015**, 1-3		2
91	Thermoleophilia class. nov. **2015**, 1-4		2
90	Revised Road Map to the Phylum Firmicutes **2015**, 1-16		2
89	Paenibacillaceae fam. nov **2015**, 1-1		2
88	Genetic confirmation of the role of sulfopyruvate decarboxylase in coenzyme M biosynthesis in Methanococcus maripaludis. *Archaea*, **2013**, 2013, 185250	2	2
87	Tuning Gene Expression by Phosphate in the Methanogenic Archaeon. *ACS Synthetic Biology*, **2021**, 10, 3028-3039	5.7	2
86	Genomic Encyclopedia of Bacteria and Archaea (GEBA) VI: learning from type strains. *Microbiology Australia*, **2019**, 40, 125	0.8	2
85	Reclassification of as a later heterotypic synonym of based on whole-genome sequence analysis. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 2355-2358	2.2	2
84	Proposed revisions of the Statutes of the International Committee of Systematics of Prokaryotes. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2070-2072	2.2	2
83	The role of nickel in methanogenic bacteria. *Basic Life Sciences*, **1982**, 19, 403-14		2
82	The Nbp35/ApbC homolog acts as a nonessential [4Fe-4S] transfer protein in methanogenic archaea. *FEBS Letters*, **2020**, 594, 924-932	3.8	2
81	Sphingomonas palmae sp. nov. and Sphingomonas gellani sp. nov., endophytically associated phyllosphere bacteria isolated from economically important crop plants. *Antonie Van Leeuwenhoek*, **2020**, 113, 1617-1632	2.1	2
80	An efficient method for synthesizing dimethylsulfonio- S-propionate hydrochloride from S. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2019**, 62, 52-58	1.9	1

79	Draft Genome Sequence of C7, Isolated from Seawater from the Menai Straits, Wales, United Kingdom. *Genome Announcements*, **2018**, 6,		1
78	Marinilabiliaceae fam. nov. **2015**, 1-2		1
77	Enterococcaceae fam. nov. **2015**, 1-2		1
76	Dethiosulfovibrio **2015**, 1-4		1
75	Listeriaceae fam. nov. **2015**, 1-1		1
74	Methanosarcinales ord. nov **2015**, 1-1		1
73	Taxonomic outline of the phylum Firmicutes **2015**, 1-4		1
72	Road map of the phyla Bacteroidetes, Spirochaetes, Tenericutes (Mollicutes), Acidobacteria, Fibrobacteres, Fusobacteria, Dictyoglomi, Gemmatimonadetes, Lentisphaerae, Verrucomicrobia, Chlamydiae, and Planctomycetes **2015**, 1-24		1
71	Insights into the life of an oxygenic phototroph. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14747-8	11.5	1
70	Identification and biosynthesis of 2-(1H-imidazol-5-yl) ethan-1-ol (histaminol) in methanogenic archaea. *Microbiology (United Kingdom)*, **2019**, 165, 455-462	2.9	1
69	Soil bacterial communities at the treeline in subtropical alpine areas. *Catena*, **2021**, 201, 105205	5.8	1
68	Draft Genome Sequence of Idiomarina woesei Strain W11T (DSM 27808T) Isolated from the Andaman Sea. *Genome Announcements*, **2016**, 4,		1
67	Draft Genome Sequences of New Isolates and the Known Species of the Family Microbacteriaceae Associated with Plants. *Microbiology Resource Announcements*, **2018**, 7,	1.3	1
66	The Roseibium album (Labrenzia alba) Genome Possesses Multiple Symbiosis Factors Possibly Underpinning Host-Microbe Relationships in the Marine Benthos. *Microbiology Resource Announcements*, **2021**, 10, e0032021	1.3	1
65	Solirubrobacteraceae **2015**, 1-2		0
64	Methanobacteriaceae **2015**, 1-1		0
63	Erysipelotrichales ord. nov **2015**, 1-1		0
62	Methanotrichaceae fam. nov.1-2		0

61	Desulfosalsimonadaceae fam. nov.1-3		0
60	Methanothrix1-12		0
59	Substrate specificity of the 3-methylmercaptopropionyl-CoA (DmdC1) dehydrogenase from DSS-3. *Applied and Environmental Microbiology*, **2021**, AEM0172921	4.8	0
58	Methanocorpusculum1-9		0
57	Methanotrichales ord. nov.1-2		0
56	Using genome comparisons of wild-type and resistant mutants of to help understand mechanisms of resistance to methane inhibitors. *Access Microbiology*, **2021**, 3, 000244	1	0
55	Small RNAs expressed during dimethylsulfoniopropionate degradation by a model marine bacterium. *Environmental Microbiology Reports*, **2016**, 8, 763-773	3.7	0
54	Methanococcus **2019**, 1-10		0
53	Epibacterium **2019**, 1-13		0
52	Frigoriflavimonas asaccharolytica gen. nov., sp. nov., a novel psychrophilic esterase and protease producing bacterium isolated from Antarctica. *Antonie Van Leeuwenhoek*, **2021**, 114, 1991-2002	2.1	0
51	Yoonia1-16		0
50	Methanolacinia **2020**, 1-5		
49	Methanothermaceae **2020**, 1-2		
48	Methanogenium **2019**, 1-9		
47	Methanosaetaceae fam. nov. **2015**, 1-1		
46	Eubacteriaceae fam. nov. **2015**, 1-1		
45	Rhodothermaceae fam. nov. **2015**, 1-1		
44	Planococcaceae **2015**, 1-1		

43 Methanocaldococcaceae fam. nov. **2015**, 1-1

42 Methanocaldococcus gen. nov. **2015**, 1-5

41 Methanotorris gen. nov. **2015**, 1-3

40 Methanothermococcus gen. nov. **2015**, 1-4

39 Methanobacteriales **2015**, 1-1

38 Sporolactobacillaceae fam. nov. **2015**, 1-1

37 Carnobacteriaceae fam. nov. **2015**, 1-1

36 Fusobacteriaceae fam. nov. **2015**, 1-1

35 Leptotrichiaceae fam. nov. **2015**, 1-1

34 Fusobacteriales ord. nov **2015**, 1-1

33 Aerococcaceae fam. nov. **2015**, 1-1

32 Taxonomic outlines of the phyla Bacteroidetes, Spirochaetes, Tenericutes (Mollicutes), Acidobacteria, Fibrobacteres, Fusobacteria, Dictyoglomi, Gemmatimonadetes, Lentisphaerae, Verrucomicrobia, Chlamydiae, and Planctomycetes **2015**, 1-5

31 Fusobacteria **2015**, 1-1

30 Nitriliruptoria class. nov. **2015**, 1-1

29 Erysipelotrichia class. nov. **2015**, 1-1

28 Fusobacteriia class. nov. **2015**, 1-1

27 Methanomicrobiales **2015**, 1-1

26 Methanococcales **2015**, 1-1

25	Methanococcus **2015**, 1-9	
24	Activation of spinach ribulose bisphosphate carboxylase by pyridoxal phosphate. *FEBS Letters*, **1979**, 101, 249-52	3.8
23	Methanosphaera1-6	
22	The van Niel International Prize for Studies in Bacterial Systematics, awarded in 2020 to Tanja Woyke. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 5594-5595	2.2
21	Methanogenesis **2020**, 1-6	
20	Methanopyraceae1-2	
19	Methanopyrales1-2	
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16	Methanococcaceae **2020**, 1-2	
15	Flavimaricola **2020**, 1-3	
14	Methanothermus **2020**, 1-5	
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8	Pseudaestuariivita **2019**, 1-4	

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6 Ruegeria **2019**, 1-25

5 Methanothermococcus **2019**, 1-6

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3 Draft genome sequence of Chryseobacterium limigenitum SUR2 (LMG 28734) isolated from dehydrated sludge. *Brazilian Journal of Microbiology*, **2018**, 49, 5-6 2.2

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1 Methanogenesis **2022**, 1-7