

William B Whitman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Methanogenesis 2022 , 1-7		
329	Substrate specificity of the 3-methylmercaptopropionyl-CoA (DmdC1) dehydrogenase from DSS-3. <i>Applied and Environmental Microbiology</i> , 2021 , AEM0172921	4.8	0
328	Tuning Gene Expression by Phosphate in the Methanogenic Archaeon. <i>ACS Synthetic Biology</i> , 2021 , 10, 3028-3039	5.7	2
327	Genomic Metrics Applied to (): Species Reclassification, Identification of Unauthentic Genomes and False Type Strains. <i>Frontiers in Microbiology</i> , 2021 , 12, 614957	5.7	4
326	Soil bacterial communities at the treeline in subtropical alpine areas. <i>Catena</i> , 2021 , 201, 105205	5.8	1
325	A standardized archaeal taxonomy for the Genome Taxonomy Database. <i>Nature Microbiology</i> , 2021 , 6, 946-959	26.6	34
324	Using genome comparisons of wild-type and resistant mutants of to help understand mechanisms of resistance to methane inhibitors. <i>Access Microbiology</i> , 2021 , 3, 000244	1	0
323	Functional response of the soil microbial community to biochar applications. <i>GCB Bioenergy</i> , 2021 , 13, 269-281	5.6	12
322	The <i>Roseibium album</i> (<i>Labrenzia alba</i>) Genome Possesses Multiple Symbiosis Factors Possibly Underpinning Host-Microbe Relationships in the Marine Benthos. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0032021	1.3	1
321	<i>Frigoriflavimonas asaccharolytica</i> gen. nov., sp. nov., a novel psychrophilic esterase and protease producing bacterium isolated from Antarctica. <i>Antonie Van Leeuwenhoek</i> , 2021 , 114, 1991-2002	2.1	0
320	Methanolacinia 2020 , 1-5		
319	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020 , 5, 987-994	26.6	64
318	Methanothermaceae 2020 , 1-2		
317	Opinion: Response to concerns about the use of DNA sequences as types in the nomenclature of prokaryotes. <i>Systematic and Applied Microbiology</i> , 2020 , 43, 126070	4.2	4
316	Posttranslational Methylation of Arginine in Methyl Coenzyme M Reductase Has a Profound Impact on both Methanogenesis and Growth of <i>Methanococcus marisaludis</i> . <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	9
315	The van Niel International Prize for Studies in Bacterial Systematics, awarded in 2020 to Tanja Woyke. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 5594-5595	2.2	
314	Draft genome of strain 8N4 provides insights into the potential role of this species in its plant host. <i>PeerJ</i> , 2020 , 8, e8822	3.1	5

313	Methanogenesis 2020 , 1-6		
312	sp. nov., a novel endophytic, N fixing, plant growth promoting isolated from oil palm (). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 841-848	2.2	10
311	Reclassification of as a later heterotypic synonym of based on whole-genome sequence analysis. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 2355-2358	2.2	2
310	gen. nov., sp. nov., a new member of the family isolated from leaf tissues of oil palm (Jacq.). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 2640-2647	2.2	3
309	Proposal to reclassify the proteobacterial classes and , and the phylum into four phyla reflecting major functional capabilities. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 5972-6016	2.2	205
308	sp. nov., a species isolated from L. rhizosphere in northeast Mexico. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 4165-4170	2.2	3
307	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. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 4416-4417	2.2	18
306	sp. nov., isolated from air sampling in maritime Antarctica. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 4935-4941	2.2	5
305	The Nbp35/ApbC homolog acts as a nonessential [4Fe-4S] transfer protein in methanogenic archaea. <i>FEBS Letters</i> , 2020 , 594, 924-932	3.8	2
304	Paraburkholderia lycopersici sp. nov., a nitrogen-fixing species isolated from rhizoplane of Lycopersicon esculentum Mill. var. Saladette in Mexico. <i>Systematic and Applied Microbiology</i> , 2020 , 43, 126133	4.2	4
303	Methanococcaceae 2020 , 1-2		
302	Flavimaricola 2020 , 1-3		
301	Methanothermus 2020 , 1-5		
300	Sphingomonas palmae sp. nov. and Sphingomonas gellani sp. nov., endophytically associated phyllosphere bacteria isolated from economically important crop plants. <i>Antonie Van Leeuwenhoek</i> , 2020 , 113, 1617-1632	2.1	2
299	Dimethylsulfoniopropionate Sulfur and Methyl Carbon Assimilation in Species. <i>MBio</i> , 2020 , 11,	7.8	9
298	An efficient method for synthesizing dimethylsulfonio- S-propionate hydrochloride from S. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019 , 62, 52-58	1.9	1
297	Toward unrestricted use of public genomic data. <i>Science</i> , 2019 , 363, 350-352	33.3	25
296	Consent insufficient for data release-Response. <i>Science</i> , 2019 , 364, 446	33.3	4

295	Genome-informed Bradyrhizobium taxonomy: where to from here?. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 427-439	4.2	41
294	Transplanting the pathway engineering toolbox to methanogens. <i>Current Opinion in Biotechnology</i> , 2019 , 59, 46-54	11.4	13
293	The importance of designating type material for uncultured taxa. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 15-21	4.2	40
292	Dialogue on the nomenclature and classification of prokaryotes. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 5-14	4.2	24
291	The archaeal RNA chaperone TRAM0076 shapes the transcriptome and optimizes the growth of <i>Methanococcus maripaludis</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008328	6	5
290	Microbial metagenomes and metatranscriptomes during a coastal phytoplankton bloom. <i>Scientific Data</i> , 2019 , 6, 129	8.2	13
289	<i>Methanogenium</i> 2019 , 1-9		
288	<i>Bosea psychrotolerans</i> sp. nov., a psychrotrophic alphaproteobacterium isolated from Lake Michigan water. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 1376-1383	2.2	3
287	Genomic Encyclopedia of Bacteria and Archaea (GEBA) VI: learning from type strains. <i>Microbiology Australia</i> , 2019 , 40, 125	0.8	2
286	Request for revision of the Statutes of the International Committee on Systematics of Prokaryotes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 584-593	2.2	19
285	Proposal for changes in the International Code of Nomenclature of Prokaryotes: granting priority to Candidatus names. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 2174-2175	2.2	17
284	Identification and biosynthesis of 2-(1H-imidazol-5-yl) ethan-1-ol (histaminol) in methanogenic archaea. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 455-462	2.9	1
283	<i>Cognatishimia</i> 2019 , 1-3		
282	<i>Pseudaestuariaivita</i> 2019 , 1-4		
281	<i>Methanoplanus</i> 2019 , 1-6		
280	<i>Methanococcus</i> 2019 , 1-10		0
279	<i>Ruegeria</i> 2019 , 1-25		
278	<i>Epibacterium</i> 2019 , 1-13		0

277	Methanothermococcus 2019 , 1-6		
276	The influences of thorny bamboo growth on the bacterial community in badland soils of southwestern Taiwan. <i>Land Degradation and Development</i> , 2018 , 29, 2728-2738	4.4	2
275	Assembly of Methyl Coenzyme M Reductase in the Methanogenic Archaeon Methanococcus maripaludis. <i>Journal of Bacteriology</i> , 2018 , 200,	3.5	13
274	Draft Genome Sequence of C7, Isolated from Seawater from the Menai Straits, Wales, United Kingdom. <i>Genome Announcements</i> , 2018 , 6,		1
273	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. <i>Systematic and Applied Microbiology</i> , 2018 , 41, 94-100	4.2	9
272	Identifying labile DOM components in a coastal ocean through depleted bacterial transcripts and chemical signals. <i>Environmental Microbiology</i> , 2018 , 20, 3012-3030	5.2	27
271	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. <i>Genes</i> , 2018 , 9,	4.2	115
270	Methanogenesis. <i>Current Biology</i> , 2018 , 28, R727-R732	6.3	116
269	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'. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 967-969	2.2	50
268	Polynucleobacter meluiroseus sp. nov., a bacterium isolated from a lake located in the mountains of the Mediterranean island of Corsica. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 1975-1985	2.2	10
267	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. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 2393-2411	2.2	86
266	Draft genome sequence of Chryseobacterium limigenitum SUR2 (LMG 28734) isolated from dehydrated sludge. <i>Brazilian Journal of Microbiology</i> , 2018 , 49, 5-6	2.2	
265	Draft Genome Sequences of New Isolates and the Known Species of the Family Microbacteriaceae Associated with Plants. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	1
264	Effects of Reforestation on the Structure and Diversity of Bacterial Communities in Subtropical Low Mountain Forest Soils. <i>Frontiers in Microbiology</i> , 2018 , 9, 1968	5.7	7
263	Evolution of the archaeal and mammalian information processing systems: towards an archaeal model for human disease. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 183-212	10.3	6
262	Cedar and bamboo plantations alter structure and diversity of the soil bacterial community from a hardwood forest in subtropical mountain. <i>Applied Soil Ecology</i> , 2017 , 112, 28-33	5	21
261	Development of Multiwell-Plate Methods Using Pure Cultures of Methanogens To Identify New Inhibitors for Suppressing Ruminant Methane Emissions. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	11
260	Bacteria and the Fate of Estrogen in the Environment. <i>Cell Chemical Biology</i> , 2017 , 24, 652-653	8.2	10

259	Paenibacillus aquistagni sp. nov., isolated from an artificial lake accumulating industrial wastewater. <i>Antonie Van Leeuwenhoek</i> , 2017 , 110, 1189-1197	2.1	6
258	Changes in structure and function of bacterial communities during coconut leaf vermicomposting. <i>Antonie Van Leeuwenhoek</i> , 2017 , 110, 1339-1355	2.1	20
257	1,003 reference genomes of bacterial and archaeal isolates expand coverage of the tree of life. <i>Nature Biotechnology</i> , 2017 , 35, 676-683	44.5	161
256	Draft genome sequences of sp. nov. ERR11 and CCBAU 10071. <i>Standards in Genomic Sciences</i> , 2017 , 12, 74		19
255	Genome Sequence of sp. Strain MCTG156(1a), Isolated from a Scottish Coastal Phytoplankton Net Sample. <i>Genome Announcements</i> , 2017 , 5,		2
254	Draft Genome Sequence of Strain HT23 (DSM 23407), a Highly Arsenate-Tolerant Bacterium Isolated from a Hot Spring in India. <i>Genome Announcements</i> , 2017 , 5,		3
253	A Flexible System for Cultivation of and Other Formate-Utilizing Methanogens. <i>Archaea</i> , 2017 , 2017, 7046026	2	34
252	Structural basis for tRNA-dependent cysteine biosynthesis. <i>Nature Communications</i> , 2017 , 8, 1521	17.4	2
251	Draft genome sequence of type strain HBR26 and description of sp. nov. <i>Standards in Genomic Sciences</i> , 2017 , 12, 14		17
250	High-quality-draft genome sequence of the fermenting bacterium type strain GluBS11 (DSM 29698). <i>Standards in Genomic Sciences</i> , 2017 , 12, 24		4
249	Bacterial Diversity Patterns Differ in Soils Developing in Sub-tropical and Cool-Temperate Ecosystems. <i>Microbial Ecology</i> , 2017 , 73, 556-569	4.4	9
248	Draft genome sequence of the cellulolytic endophyte A3T2. <i>Standards in Genomic Sciences</i> , 2017 , 12, 53		5
247	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	21
246	Evolution of Dimethylsulfoniopropionate Metabolism in Marine Phytoplankton and Bacteria. <i>Frontiers in Microbiology</i> , 2017 , 8, 637	5.7	57
245	Genome Data Provides High Support for Generic Boundaries in Sensu Lato. <i>Frontiers in Microbiology</i> , 2017 , 8, 1154	5.7	66
244	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. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 1112-1150	2.2	5
243	Paenibacillus polysaccharolyticus sp. nov., a xylanolytic and cellulolytic bacteria isolated from leaves of Bamboo Phyllostachys aureosulcata. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 2127-2133	2.2	10
242	Oryzisolibacter propanilivorax gen. nov., sp. nov., a propanil-degrading bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 3752-3758	2.2	6

241	Reclassification of a Polynucleobacter cosmopolitanus strain isolated from tropical Lake Victoria as Polynucleobacter victoriensis sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 5087-5093	2.2	5
240	Sphingomonas jatrophae sp. nov. and Sphingomonas carotinifaciens sp. nov., two yellow-pigmented endophytes isolated from stem tissues of Jatropha curcas L. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 5150-5158	2.2	8
239	Proposed revisions of the Statutes of the International Committee of Systematics of Prokaryotes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 2070-2072	2.2	2
238	Draft Genome Sequence of Comamonas thiooxydans Strain S23T (DSM 17888T), a Thiosulfate-Oxidizing Bacterium Isolated from a Sulfur Spring in India. <i>Genome Announcements</i> , 2016 , 4,		3
237	Draft Genome Sequence of Tepidiphilus thermophilus Strain JHK30T (JCM 19170T) Isolated from a Terrestrial Hot Spring in India. <i>Genome Announcements</i> , 2016 , 4,		4
236	Draft Genome Sequence of Anoxybacillus suryakundensis Strain JS1T (DSM 27374T) Isolated from a Hot Spring in Jharkhand, India. <i>Genome Announcements</i> , 2016 , 4,		4
235	Meeting report: GenBank microbial genomic taxonomy workshop (12-13 May, 2015). <i>Standards in Genomic Sciences</i> , 2016 , 11,		51
234	Engineering the Autotroph Methanococcus maripaludis for Geraniol Production. <i>ACS Synthetic Biology</i> , 2016 , 5, 577-81	5-7	32
233	Draft Genome Sequence of Chelatococcus sambhunathii Strain HT4T (DSM 18167T) Isolated from a Hot Spring in India. <i>Genome Announcements</i> , 2016 , 4,		4
232	K-shuff: A Novel Algorithm for Characterizing Structural and Compositional Diversity in Gene Libraries. <i>PLoS ONE</i> , 2016 , 11, e0167634	3-7	7
231	Modest proposals to expand the type material for naming of prokaryotes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 2108-2112	2.2	59
230	Raineyella antarctica gen. nov., sp. nov., a psychrotolerant, d-amino-acid-utilizing anaerobe isolated from two geographic locations of the Southern Hemisphere. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 5529-5536	2.2	11
229	Draft Genome Sequence of Gulbenkiania indica Strain HT27T (DSM 17901T) Isolated from a Sulfur Spring in India. <i>Genome Announcements</i> , 2016 , 4,		3
228	Draft Genome Sequence of Idiomarina woesei Strain W11T (DSM 27808T) Isolated from the Andaman Sea. <i>Genome Announcements</i> , 2016 , 4,		1
227	Genome Sequence of Arenibacter algicola Strain TG409, a Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. <i>Genome Announcements</i> , 2016 , 4,		6
226	Small RNAs expressed during dimethylsulfoniopropionate degradation by a model marine bacterium. <i>Environmental Microbiology Reports</i> , 2016 , 8, 763-773	3-7	0
225	Detection of methyl salicylate using bi-enzyme electrochemical sensor consisting salicylate hydroxylase and tyrosinase. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 603-610	11.8	31
224	Genome sequences as the type material for taxonomic descriptions of prokaryotes. <i>Systematic and Applied Microbiology</i> , 2015 , 38, 217-22	4.2	61

223	Microbial 16S gene-based composition of a sorghum cropped rhizosphere soil under different fertilization managements. <i>Biology and Fertility of Soils</i> , 2015 , 51, 661-672	6.1	31
222	Genomic Encyclopedia of Bacterial and Archaeal Type Strains, Phase III: the genomes of soil and plant-associated and newly described type strains. <i>Standards in Genomic Sciences</i> , 2015 , 10, 26		48
221	The relationship of the whole genome sequence identity to DNA hybridization varies between genera of prokaryotes. <i>Antonie Van Leeuwenhoek</i> , 2015 , 107, 241-9	2.1	20
220	Solirubrobacteraceae 2015 , 1-2		0
219	Drought-induced variability in dissolved organic matter composition in a marsh-dominated estuary. <i>Geophysical Research Letters</i> , 2015 , 42, 6446-6453	4.9	20
218	Road map of the phylum Actinobacteria 2015 , 1-37		5
217	Methanosaetaceae fam. nov. 2015 , 1-1		
216	Eubacteriaceae fam. nov. 2015 , 1-1		
215	Marinilabiliaceae fam. nov. 2015 , 1-2		1
214	Rhodothermaceae fam. nov. 2015 , 1-1		
213	Lactobacillales ord. nov 2015 , 1-1		5
212	Planococcaceae 2015 , 1-1		
211	Methanobacteriaceae 2015 , 1-1		0
210	Methanocaldococcaceae fam. nov. 2015 , 1-1		
209	Methanococcaceae 2015 , 1-2		2
208	Methanocaldococcus gen. nov. 2015 , 1-5		
207	Methanotorris gen. nov. 2015 , 1-3		
206	Methanothermococcus gen. nov. 2015 , 1-4		

205 Methanobacteriales **2015**, 1-1

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

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

202 Enterococcaceae fam. nov. **2015**, 1-2

1

201 Erysipelotrichales ord. nov **2015**, 1-1

0

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

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

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

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

196 Dethiosulfovibrio **2015**, 1-4

1

195 Solirubrobacterales **2015**, 1-3

2

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

193 Fusobacteria **2015**, 1-1

192 Nitrliruptoria class. nov. **2015**, 1-1

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

190 Bacilli class. nov. **2015**, 1-1

3

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

188 Thermoleophilia class. nov. **2015**, 1-4

2

187	listeriaceae fam. nov. 2015 , 1-1		1
186	Methanomicrobiales 2015 , 1-1		
185	Methanosarcinales ord. nov 2015 , 1-1		1
184	Methanococcales 2015 , 1-1		
183	Taxonomic outline of the phylum Firmicutes 2015 , 1-4		1
182	Road map of the phyla Bacteroidetes, Spirochaetes, Tenericutes (Mollicutes), Acidobacteria, Fibrobacteres, Fusobacteria, Dictyoglomi, Gemmatimonadetes, Lentisphaerae, Verrucomicrobia, Chlamydiae, and Planctomycetes 2015 , 1-24		1
181	Methanococcus 2015 , 1-9		
180	Revised Road Map to the Phylum Firmicutes 2015 , 1-16		2
179	Baenibacillaceae fam. nov 2015 , 1-1		2
178	Bacteroidetes phyl. nov. 2015 , 1-2		3
177	Solirubrobacter 2015 , 1-5		5
176	Genome Sequence of Polycyclovorans algicola Strain TG408, an Obligate Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. <i>Genome Announcements</i> , 2015 , 3,		4
175	Changes of soil bacterial communities in bamboo plantations at different elevations. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4-3	25
174	Insights into the life of an oxygenic phototroph. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14747-8	11.5	1
173	Genome Sequence of Porticoccus hydrocarbonoclasticus Strain MCTG13d, an Obligate Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Associated with Marine Eukaryotic Phytoplankton. <i>Genome Announcements</i> , 2015 , 3,		8
172	Genome Sequence of Halomonas sp. Strain MCTG39a, a Hydrocarbon-Degrading and Exopolymeric Substance-Producing Bacterium. <i>Genome Announcements</i> , 2015 , 3,		6
171	Proposal to include the rank of phylum in the International Code of Nomenclature of Prokaryotes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 4284-4287	2.2	53
170	Statutes of the International Committee on Systematics of Prokaryotes Subcommittees and the Judicial Commission on Prokaryote Nomenclature of the Bacteriology and Applied Microbiology Division of the IUMS. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 1093-1100	2.2	5

169	Regulatory and functional diversity of methylmercaptopropionate coenzyme A ligases from the dimethylsulfoniopropionate demethylation pathway in <i>Ruegeria pomeroyi</i> DSS-3 and other proteobacteria. <i>Journal of Bacteriology</i> , 2014 , 196, 1275-85	3.5	13
168	Changes in the soil bacterial communities in a cedar plantation invaded by moso bamboo. <i>Microbial Ecology</i> , 2014 , 67, 421-9	4.4	43
167	Composition of bacterial communities in sand dunes of subtropical coastal forests. <i>Biology and Fertility of Soils</i> , 2014 , 50, 809-814	6.1	16
166	Uniting the classification of cultured and uncultured bacteria and archaea using 16S rRNA gene sequences. <i>Nature Reviews Microbiology</i> , 2014 , 12, 635-45	22.2	1290
165	Comparison of soil bacterial communities in a natural hardwood forest and coniferous plantations in perhumid subtropical low mountains. <i>Botanical Studies</i> , 2014 , 55, 50	2.3	14
164	Polycyclic aromatic hydrocarbon degradation of phytoplankton-associated <i>Arenibacter</i> spp. and description of <i>Arenibacter algicola</i> sp. nov., an aromatic hydrocarbon-degrading bacterium. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 618-28	4.8	55
163	Diversity of the DNA replication system in the Archaea domain. <i>Archaea</i> , 2014 , 2014, 675946	2	13
162	Genomic encyclopedia of bacteria and archaea: sequencing a myriad of type strains. <i>PLoS Biology</i> , 2014 , 12, e1001920	9.7	146
161	Draft Genome Sequence of <i>Geobacillus thermopakistaniensis</i> Strain MAS1. <i>Genome Announcements</i> , 2014 , 2,		13
160	The Need for Change. <i>Methods in Microbiology</i> , 2014 , 1-12	2.8	7
159	The putative tRNA 2-thiouridine synthetase Ncs6 is an essential sulfur carrier in <i>Methanococcus maripaludis</i> . <i>FEBS Letters</i> , 2014 , 588, 873-7	3.8	14
158	Genomic Encyclopedia of Type Strains, Phase I: The one thousand microbial genomes (KMG-I) project. <i>Standards in Genomic Sciences</i> , 2014 , 9, 1278-84		72
157	The Methanogenic Bacteria 2014 , 123-163		10
156	Progressive and retrogressive ecosystem development coincide with soil bacterial community change in a dune system under lowland temperate rainforest in New Zealand. <i>Plant and Soil</i> , 2013 , 367, 235-247	4.2	17
155	Soil bacterial community succession during long-term ecosystem development. <i>Molecular Ecology</i> , 2013 , 22, 3415-24	5.7	81
154	A call to action for the International Committee on Systematics of Prokaryotes. <i>Trends in Microbiology</i> , 2013 , 21, 51-2	12.4	14
153	Bacterial communities in soil mimic patterns of vegetative succession and ecosystem climax but are resilient to change between seasons. <i>Soil Biology and Biochemistry</i> , 2013 , 57, 749-757	7.5	64
152	Genome-scale analysis of gene function in the hydrogenotrophic methanogenic archaeon <i>Methanococcus maripaludis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4726-31	11.5	113

151	Physiology and Biochemistry of the Methane-Producing Archaea 2013 , 635-662		24
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19	Desulfosalsimonadaceae fam. nov.1-3		0
18	Methanosphaera1-6		
17	Methanothrix1-12		0
16	Methanocorpusculum1-9		0
15	Methanopyraceae1-2		
14	Methanopyrales1-2		
13	Methanocorpusculaceae1-2		
12	Methanopyrus1-7		
11	Transformation of <i>Methanococcus maripaludis</i> and identification of a Pst I-like restriction system		5
10	Resolving widespread incomplete and uneven archaeal classifications based on a rank-normalized genome-based taxonomy		18
9	Mmp10 is required for post-translational methylation of arginine at the active site of methyl-coenzyme M reductase		3
8	Methanotrichales ord. nov.1-2		0

7 Salipiger1-13

6 Cognatiyoonia1-6

5 Loktanella1-11

4 Limimaricola1-10

3 Methanopyria corrig.1-3

2 Yoonia1-16

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1 Methanocaldococcaceae1-3