

# Yuji Sekiguchi

## 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.

128  
papers

6,760  
citations

43  
h-index

81  
g-index

133  
ext. papers

8,198  
ext. citations

4.3  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
128	Characterization and Demonstration of Mock Communities as Control Reagents for Accurate Human Microbiome Community Measurements.. <i>Microbiology Spectrum</i> , <b>2022</b> , e0191521	8.9	0
127	Validation and standardization of DNA extraction and library construction methods for metagenomics-based human fecal microbiome measurements. <i>Microbiome</i> , <b>2021</b> , 9, 95	16.6	5
126	Sequence-Specific Capture of Oligonucleotide Probes (SCOPE): a Simple and Rapid Microbial rRNA Quantification Method Using a Molecular Weight Cutoff Membrane. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87, e0116721	4.8	
125	Physiological and genomic characterization of a new <i>Candidatus Nitrotoga</i> isolate. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 2365-2382	5.2	9
124	Complete Genome Sequence of <i>Megamonas funiformis</i> JCM 14723. <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	1
123	Genomic and Physiological Characteristics of a Novel Nitrite-Oxidizing Strain Isolated From a Drinking Water Treatment Plant. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 545190	5.7	2
122	Genome Features and Secondary Metabolites Biosynthetic Potential of the Class. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 893	5.7	25
121	Diversity and geochemical community assembly processes of the living rare biosphere in a sand-and-gravel aquifer ecosystem in the Midwestern United States. <i>Scientific Reports</i> , <b>2019</b> , 9, 13484	4.9	7
120	Bellilinea <b>2018</b> , 1-3		
119	Tepidanaerobacter <b>2018</b> , 1-5		
118	Sample tracking in microbiome community profiling assays using synthetic 16S rRNA gene spike-in controls. <i>Scientific Reports</i> , <b>2018</b> , 8, 9095	4.9	11
117	Anaerolinea <b>2018</b> , 1-5		
116	Levilinea <b>2018</b> , 1-4		1
115	Longilinea <b>2018</b> , 1-3		
114	Flexilinea <b>2018</b> , 1-4		
113	Leptolinea <b>2018</b> , 1-4		
112	Anaerolineaceae <b>2018</b> , 1-5		4

111 Terrimicrobium **2018**, 1-5

110 Anaerolineales **2018**, 1-1

109 Network-guided genomic and metagenomic analysis of the faecal microbiota of the critically endangered kakapo. *Scientific Reports*, **2018**, 8, 8128 4.9 6

108 Anaerolineae **2018**, 1-2 4

107 Draft Genome Sequence of NM-5, a Facultative Anaerobic Soil Bacterium of the Class. *Genome Announcements*, **2017**, 5, 4

106 Draft Genome Sequence of NM7, a Propionate-Producing Fermentative Bacterium. *Genome Announcements*, **2017**, 5, 3

105 Genomic Analysis of Two Phylogenetically Distinct Species Reveals Their Genomic Plasticity and Functional Diversity. *Frontiers in Microbiology*, **2017**, 8, 2637 5.7 26

104 Four Aromatic Sulfates with an Inhibitory Effect against HCV NS3 Helicase from the Crinoid *Alloeocomatella polycladia*. *Marine Drugs*, **2017**, 15, 6 6

103 Synthetic spike-in standards for high-throughput 16S rRNA gene amplicon sequencing. *Nucleic Acids Research*, **2017**, 45, e23 20.1 66

102 Comparative Genomics of Syntrophic Branched-Chain Fatty Acid Degrading Bacteria. *Microbes and Environments*, **2016**, 31, 288-92 2.6 19

101 Draft Genome Sequence of the Syntrophic Lactate-Degrading Bacterium *Tepidanaerobacter syntrophicus* JLT. *Genome Announcements*, **2016**, 4, 3

100 Draft Genome Sequence of *Thermodesulfovibrio aggregans* TGE-P1T, an Obligately Anaerobic, Thermophilic, Sulfate-Reducing Bacterium in the Phylum Nitrospirae. *Genome Announcements*, **2016**, 4, 2

99 Comparative Genomics of Candidate Phylum TM6 Suggests That Parasitism Is Widespread and Ancestral in This Lineage. *Molecular Biology and Evolution*, **2016**, 33, 915-27 8.3 50

98 Isolation and characterization of gen. nov., sp. nov., a filamentous, anaerobic bacterium belonging to the class in the phylum. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 988-996 2.2 36

97 *Lentimicrobium saccharophilum* gen. nov., sp. nov., a strictly anaerobic bacterium representing a new family in the phylum Bacteroidetes, and proposal of Lentimicrobiaceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 2635-2642 2.2 90

96 Microbial community structure of methanogenic benzene-degrading cultures enriched from five different sediments. *Journal of General and Applied Microbiology*, **2016**, 62, 266-271 1.5 0

95 Ecophysiology and Comparative Genomics of Ms1 Isolated from Autotrophic Nitrifying Granules of Wastewater Treatment Bioreactor. *Frontiers in Microbiology*, **2016**, 7, 1869 5.7 18

94 Primers: Functional Genes and 16S rRNA Genes for Methanogens. *Springer Protocols*, **2015**, 79-139 0.3 3

93	The genome of <i>Syntrophorhabdus aromaticivorans</i> strain UI provides new insights for syntrophic aromatic compound metabolism and electron flow. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 4861-72	5.2	55
92	Draft Genome Sequence of Bacteroidales Strain 6E, Isolated from a Rice Paddy Field in Japan. <i>Genome Announcements</i> , <b>2015</b> , 3,		1
91	Draft Genome Sequence of Bacteroidales Strain TBC1, a Novel Isolate from a Methanogenic Wastewater Treatment System. <i>Genome Announcements</i> , <b>2015</b> , 3,		4
90	Identification of Hydroxyanthraquinones as Novel Inhibitors of Hepatitis C Virus NS3 Helicase. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 18439-53	6.3	18
89	Draft Genome Sequences of <i>Anaerolinea thermolimosa</i> IMO-1, <i>Bellilinea caldifistulae</i> GOMI-1, <i>Leptolinea tardivitalis</i> YMTK-2, <i>Levilinea saccharolytica</i> KIBI-1, <i>Longilinea arvoryzae</i> KOMI-1, Previously Described as Members of the Class Anaerolineae (Chloroflexi). <i>Genome Announcements</i> , <b>2015</b> , 3,		13
88	Draft Genome Sequence of Anaerolineae Strain TC1, a Novel Isolate from a Methanogenic Wastewater Treatment System. <i>Genome Announcements</i> , <b>2015</b> , 3,		6
87	A fluorescence-based screening assay for identification of hepatitis C virus NS3 helicase inhibitors and characterization of their inhibitory mechanism. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1259, 211-28	1.4	3
86	First genomic insights into members of a candidate bacterial phylum responsible for wastewater bulking. <i>PeerJ</i> , <b>2015</b> , 3, e740	3.1	61
85	Microbial population and functional dynamics associated with surface potential and carbon metabolism. <i>ISME Journal</i> , <b>2014</b> , 8, 963-78	11.9	108
84	<i>Lactivibrio alcoholicus</i> gen. nov., sp. nov., an anaerobic, mesophilic, lactate-, alcohol-, carbohydrate- and amino-acid-degrading bacterium in the phylum Synergistetes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2014</b> , 64, 2137-2145	2.2	24
83	Quantitative detection of human enteric adenoviruses in river water by microfluidic digital polymerase chain reaction. <i>Water Science and Technology</i> , <b>2014</b> , 70, 555-60	2.2	14
82	Cholesterol sulfate as a potential inhibitor of hepatitis C virus NS3 helicase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 223-9	5.6	8
81	PBDE: structure-activity studies for the inhibition of hepatitis C virus NS3 helicase. <i>Molecules</i> , <b>2014</b> , 19, 4006-20	4.8	6
80	Identification and biochemical characterization of halisulfate 3 and suvanine as novel inhibitors of hepatitis C virus NS3 helicase from a marine sponge. <i>Marine Drugs</i> , <b>2014</b> , 12, 462-76	6	12
79	The Phylum Gemmatimonadetes <b>2014</b> , 677-681		12
78	An expanded genomic representation of the phylum cyanobacteria. <i>Genome Biology and Evolution</i> , <b>2014</b> , 6, 1031-45	3.9	186
77	Draft Genome Sequence of <i>Syntrophorhabdus aromaticivorans</i> Strain UI, a Mesophilic Aromatic Compound-Degrading Syntroph. <i>Genome Announcements</i> , <b>2014</b> , 2,		17
76	Psammaphin A inhibits hepatitis C virus NS3 helicase. <i>Journal of Natural Medicines</i> , <b>2013</b> , 67, 765-72	3.3	13

75	Oligosphaera ethanolica gen. nov., sp. nov., an anaerobic, carbohydrate-fermenting bacterium isolated from methanogenic sludge, and description of Oligosphaeria classis nov. in the phylum Lentisphaerae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2013</b> , 63, 533-539	2.2	8
74	Ecological niche separation in the Polynucleobacter subclusters linked to quality of dissolved organic matter: a demonstration using a high sensitivity cultivation-based approach. <i>Environmental Microbiology</i> , <b>2012</b> , 14, 2511-25	5.2	23
73	Quantitative detection of Cryptosporidium oocyst in water source based on 18S rRNA by alternately binding probe competitive reverse transcription polymerase chain reaction (ABC-RT-PCR). <i>Water Research</i> , <b>2012</b> , 46, 187-94	12.5	6
72	Quantitative detection of previously characterized syntrophic bacteria in anaerobic wastewater treatment systems by sequence-specific rRNA cleavage method. <i>Water Research</i> , <b>2012</b> , 46, 2167-75	12.5	100
71	Functionally stable and phylogenetically diverse microbial enrichments from microbial fuel cells during wastewater treatment. <i>PLoS ONE</i> , <b>2012</b> , 7, e30495	3.7	84
70	Inhibition of hepatitis C virus NS3 helicase by manoalide. <i>Journal of Natural Products</i> , <b>2012</b> , 75, 650-4	4.9	30
69	Enhanced electrode-reducing rate during the enrichment process in an air-cathode microbial fuel cell. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 94, 1087-94	5.7	24
68	Inhibition of hepatitis C virus replication and viral helicase by ethyl acetate extract of the marine feather star <i>Alloeocomatella polycladia</i> . <i>Marine Drugs</i> , <b>2012</b> , 10, 744-61	6	15
67	Inhibition of both protease and helicase activities of hepatitis C virus NS3 by an ethyl acetate extract of marine sponge <i>Amphimedon</i> sp. <i>PLoS ONE</i> , <b>2012</b> , 7, e48685	3.7	7
66	Oligonucleotide primers, probes and molecular methods for the environmental monitoring of methanogenic archaea. <i>Microbial Biotechnology</i> , <b>2011</b> , 4, 585-602	6.3	52
65	Alternately binding probe competitive PCR as a simple, cost-effective, and accurate quantification method for JAK2V617F allele burden in myeloproliferative neoplasms. <i>Leukemia Research</i> , <b>2011</b> , 35, 1632-6	2.7	13
64	Ecophysiology of uncultured filamentous anaerobes belonging to the phylum KSB3 that cause bulking in methanogenic granular sludge. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 2081-7	4.8	13
63	rRNA-based analysis to monitor succession of faecal bacterial communities in Holstein calves. <i>Letters in Applied Microbiology</i> , <b>2010</b> , 51, 570-7	2.9	59
62	Quantitative detection of chloroethene-reductive bacteria <i>Dehalococcoides</i> spp. using alternately binding probe competitive Polymerase Chain Reaction. <i>Molecular and Cellular Probes</i> , <b>2010</b> , 24, 131-7	3.3	5
61	Real-time monitoring of RNA helicase activity using fluorescence resonance energy transfer in vitro. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 393, 131-6	3.4	27
60	An rRNA-based analysis for evaluating the effect of heat stress on the rumen microbial composition of Holstein heifers. <i>Anaerobe</i> , <b>2010</b> , 16, 27-33	2.8	56
59	Cultivation of methanogens under low-hydrogen conditions by using the coculture method. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 4892-6	4.8	60
58	Affinity capillary electrophoresis with magnetic beads for multiplex quantitative analysis of bacterial 16S rRNA. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 107, 662-7	3.3	7

57	Quantitative detection of culturable methanogenic archaea abundance in anaerobic treatment systems using the sequence-specific rRNA cleavage method. <i>ISME Journal</i> , <b>2009</b> , 3, 522-35	11.9	31
56	Effect of gelling agent on colony formation in solid cultivation of microbial community in lake sediment. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 1827-34	5.2	68
55	High-throughput screening assay of hepatitis C virus helicase inhibitors using fluorescence-quenching phenomenon. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 379, 1054-9	3.4	19
54	Universal quenching probe system: flexible, specific, and cost-effective real-time polymerase chain reaction method. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 5678-85	7.8	28
53	Comparative analysis of bacterial and archaeal communities in methanogenic sludge granules from upflow anaerobic sludge blanket reactors treating various food-processing, high-strength organic wastewaters. <i>Microbes and Environments</i> , <b>2009</b> , 24, 88-96	2.6	84
52	In situ detection and quantification of uncultured members of the phylum Nitrospirae abundant in methanogenic wastewater treatment systems. <i>Microbes and Environments</i> , <b>2009</b> , 24, 97-104	2.6	16
51	Cultivation of uncultured chloroflexi subphyla: significance and ecophysiology of formerly uncultured chloroflexi subphylum with natural and biotechnological relevance. <i>Microbes and Environments</i> , <b>2009</b> , 24, 205-16	2.6	182
50	Impact of consumption of probiotic lactobacilli-containing yogurt on microbial composition in human feces. <i>International Journal of Food Microbiology</i> , <b>2008</b> , 122, 16-22	5.8	31
49	<i>Thermodesulfovibrio aggregans</i> sp. nov. and <i>Thermodesulfovibrio thiophilus</i> sp. nov., anaerobic, thermophilic, sulfate-reducing bacteria isolated from thermophilic methanogenic sludge, and emended description of the genus <i>Thermodesulfovibrio</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 2541-8	2.2	75
48	<i>Methanolinea tarda</i> gen. nov., sp. nov., a methane-producing archaeon isolated from a methanogenic digester sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 294-301	2.2	146
47	<i>Desulfovibrio marinisediminis</i> sp. nov., a novel sulfate-reducing bacterium isolated from coastal marine sediment via enrichment with Casamino acids. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 2433-8	2.2	22
46	Comparison of electrode reduction activities of <i>Geobacter sulfurreducens</i> and an enriched consortium in an air-cathode microbial fuel cell. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 7348-55	4.8	165
45	<i>Syntrophorhabdus aromaticivorans</i> gen. nov., sp. nov., the first cultured anaerobe capable of degrading phenol to acetate in obligate syntrophic associations with a hydrogenotrophic methanogen. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 2051-8	4.8	153
44	Estimation of single-nucleotide polymorphism allele frequency by alternately binding probe competitive polymerase chain reaction. <i>Analytica Chimica Acta</i> , <b>2008</b> , 608, 211-6	6.6	8
43	<i>Bellilinea caldifistulae</i> gen. nov., sp. nov. and <i>Longilinea arvoryzae</i> gen. nov., sp. nov., strictly anaerobic, filamentous bacteria of the phylum Chloroflexi isolated from methanogenic propionate-degrading consortia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2007</b> , 57, 2299-2306	2.2	246
42	Microbial communities in anaerobic digestion processes for waste and wastewater treatment: a microbiological update. <i>Current Opinion in Biotechnology</i> , <b>2007</b> , 18, 273-8	11.4	140
41	Characterization of filamentous bacteria, belonging to candidate phylum KSB3, that are associated with bulking in methanogenic granular sludges. <i>ISME Journal</i> , <b>2007</b> , 1, 246-55	11.9	33
40	Evaluation of group-specific, 16S rRNA-targeted scissor probes for quantitative detection of predominant bacterial populations in dairy cattle rumen. <i>Journal of Applied Microbiology</i> , <b>2007</b> , 103, 1995-2005	4.7	17

39	Phylogenetic analysis and fluorescence in situ hybridization detection of archaeal and bacterial endosymbionts in the anaerobic ciliate trimyema compressum. <i>Microbial Ecology</i> , <b>2007</b> , 54, 627-36	4.4	37
38	Microbial diversity and methanogenic potential in a high temperature natural gas field in Japan. <i>Extremophiles</i> , <b>2007</b> , 11, 453-61	3	52
37	Pelotomaculum propionicum sp. nov., an anaerobic, mesophilic, obligately syntrophic, propionate-oxidizing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2007</b> , 57, 1487-1492	2.2	72
36	Anaerosporobacter mobilis gen. nov., sp. nov., isolated from forest soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2007</b> , 57, 1784-1787	2.2	25
35	Methanogen Diversity in Deep Subsurface Gas-Associated Water at the Minami-Kanto Gas Field in Japan. <i>Geomicrobiology Journal</i> , <b>2007</b> , 24, 93-100	2.5	39
34	Isolation of key methanogens for global methane emission from rice paddy fields: a novel isolate affiliated with the clone cluster rice cluster I. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 4326-31	4.8	99
33	Dethiosulfatibacter aminovorans gen. nov., sp. nov., a novel thiosulfate-reducing bacterium isolated from coastal marine sediment via sulfate-reducing enrichment with Casamino acids. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2007</b> , 57, 2320-2326	2.2	35
32	Pelotomaculum terephthalicum sp. nov. and Pelotomaculum isophthalicum sp. nov.: two anaerobic bacteria that degrade phthalate isomers in syntrophic association with hydrogenotrophic methanogens. <i>Archives of Microbiology</i> , <b>2006</b> , 185, 172-82	3	85
31	Application of pseudomurein endoisopeptidase to fluorescence in situ hybridization of methanogens within the family Methanobacteriaceae. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 6907-13	4.8	41
30	Tepidanaerobacter syntrophicus gen. nov., sp. nov., an anaerobic, moderately thermophilic, syntrophic alcohol- and lactate-degrading bacterium isolated from thermophilic digested sludges. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 1621-1629	2.2	65
29	Anaerolinea thermolimososa sp. nov., Levilinea saccharolytica gen. nov., sp. nov. and Leptolinea tardivitalis gen. nov., sp. nov., novel filamentous anaerobes, and description of the new classes Anaerolineae classis nov. and Caldilineae classis nov. in the bacterial phylum Chloroflexi. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 1331-1340	2.2	437
28	Isolation of Uncultivated Methanogens using Anaerobic Syntrophic Substrate-degrading Coculture System.. <i>Journal of Japan Society on Water Environment</i> , <b>2006</b> , 29, 389-397	0.2	
27	Yet-to-be Cultured Microorganisms Relevant to Methane Fermentation Processes. <i>Microbes and Environments</i> , <b>2006</b> , 21, 1-15	2.6	51
26	Non-sulfate-reducing, syntrophic bacteria affiliated with desulfotomaculum cluster I are widely distributed in methanogenic environments. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 2080-91	4.8	147
25	Diversity, localization, and physiological properties of filamentous microbes belonging to Chloroflexi subphylum I in mesophilic and thermophilic methanogenic sludge granules. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 7493-503	4.8	189
24	Filamentous Microorganisms Affiliated with Uncultured Bacterial Group at Phylum Level: Microbes as Causative Agent for Filamentous Bulking of Methanogenic Sludge Granules. <i>Journal of Japan Society on Water Environment</i> , <b>2005</b> , 28, 37-42	0.2	
23	Comparative analysis of bacterial diversity in freshwater sediment of a shallow eutrophic lake by molecular and improved cultivation-based techniques. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 2162-9	4.8	206
22	Clostridium jejuense sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 1465-1468	2.2	21

21	Identification and isolation of anaerobic, syntrophic phthalate isomer-degrading microbes from methanogenic sludges treating wastewater from terephthalate manufacturing. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 1617-26	4.8	71
20	Sequence-specific cleavage of small-subunit (SSU) rRNA with oligonucleotides and RNase H: a rapid and simple approach to SSU rRNA-based quantitative detection of microorganisms. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 3650-63	4.8	39
19	Anaerolinea thermophila gen. nov., sp. nov. and Caldilinea aerophila gen. nov., sp. nov., novel filamentous thermophiles that represent a previously uncultured lineage of the domain Bacteria at the subphylum level. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1843-51	2.2	249
18	Archaeal community compositions at different depths (up to 30 m) of a municipal solid waste landfill in Taiwan as revealed by 16S rDNA cloning analyses. <i>Biotechnology Letters</i> , <b>2003</b> , 25, 719-24	3	30
17	Molecular detection and direct enumeration of methanogenic Archaea and methanotrophic Bacteria in domestic solid waste landfill soils. <i>Biotechnology Letters</i> , <b>2003</b> , 25, 1563-9	3	27
16	Gemmatimonas aurantiaca gen. nov., sp. nov., a gram-negative, aerobic, polyphosphate-accumulating micro-organism, the first cultured representative of the new bacterial phylum Gemmatimonadetes phyl. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1155-1160	2.2	314
15	Sporotomaculum syntrophicum sp. nov., a novel anaerobic, syntrophic benzoate-degrading bacterium isolated from methanogenic sludge treating wastewater from terephthalate manufacturing. <i>Archives of Microbiology</i> , <b>2003</b> , 179, 242-9	3	37
14	Pelotomaculum thermopropionicum gen. nov., sp. nov., an anaerobic, thermophilic, syntrophic propionate-oxidizing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2002</b> , 52, 1729-1735	2.2	150
13	?????????:?????????????. <i>Nippon Nogeikagaku Kaishi</i> , <b>2002</b> , 76, 721-723		
12	Pelotomaculum thermopropionicum gen. nov., sp. nov., an anaerobic, thermophilic, syntrophic propionate-oxidizing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2002</b> , 52, 1729-1735	2.2	110
11	Recent advances in methane fermentation technology. <i>Current Opinion in Biotechnology</i> , <b>2001</b> , 12, 277-82	1.4	68
10	In situ detection, isolation, and physiological properties of a thin filamentous microorganism abundant in methanogenic granular sludges: a novel isolate affiliated with a clone cluster, the green non-sulfur bacteria, subdivision I. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 5740-9	4.8	104
9	Cultivation and in situ detection of a thermophilic bacterium capable of oxidizing propionate in syntrophic association with hydrogenotrophic methanogens in a thermophilic methanogenic granular sludge. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 3608-15	4.8	100
8	Syntrophothermus lipocalidus gen. nov., sp. nov., a novel thermophilic, syntrophic, fatty-acid-oxidizing anaerobe which utilizes isobutyrate. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2000</b> , 50 Pt 2, 771-779	2.2	175
7	Fluorescence in situ hybridization using 16S rRNA-targeted oligonucleotides reveals localization of methanogens and selected uncultured bacteria in mesophilic and thermophilic sludge granules. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 1280-8	4.8	352
6	Phylogenetic diversity of mesophilic and thermophilic granular sludges determined by 16S rRNA gene analysis. <i>Microbiology (United Kingdom)</i> , <b>1998</b> , 144 ( Pt 9), 2655-2665	2.9	281
5	A novel and cost-effective sewage treatment system consisting of UASB pre-treatment and aerobic post-treatment units for developing countries. <i>Water Science and Technology</i> , <b>1997</b> , 36, 189	2.2	32
4	Caldilineae1-3		



3 Caldilineaceae1-3

2 Caldilinea1-4

1 Caldilineales1-1