

Wolfgang Liebl

List of Publications by Year in descending order

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163
papers

6,663
citations

66343

42
h-index

76900

74
g-index

168
all docs

168
docs citations

168
times ranked

6570
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Clostridium ljungdahlii</i> represents a microbial production platform based on syngas. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13087-13092.	7.1	594
2	Thermophilic Adaptation of Proteins. Critical Reviews in Biochemistry and Molecular Biology, 2001, 36, 39-106.	5.2	338
3	The complete genome sequence of the algal symbiont <i>Dinoroseobacter shibae</i> : a hitchhiker's guide to life in the sea. ISME Journal, 2010, 4, 61-77.	9.8	244
4	Genome sequence of <i>Picrophilus torridus</i> and its implications for life around pH 0. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9091-9096.	7.1	231
5	A family of <i>Corynebacterium glutamicum</i> / <i>Escherichia coli</i> shuttle vectors for cloning, controlled gene expression, and promoter probing. Gene, 1991, 102, 93-98.	2.2	215
6	Direct Cloning from Enrichment Cultures, a Reliable Strategy for Isolation of Complete Operons and Genes from Microbial Consortia. Applied and Environmental Microbiology, 2001, 67, 89-99.	3.1	168
7	The Genome of a <i>Bacillus</i> Isolate Causing Anthrax in Chimpanzees Combines Chromosomal Properties of <i>B. cereus</i> with <i>B. anthracis</i> Virulence Plasmids. PLoS ONE, 2010, 5, e10986.	2.5	157
8	Meltome atlas – thermal proteome stability across the tree of life. Nature Methods, 2020, 17, 495-503.	19.0	152
9	Identification of a novel cellulose-binding domain the multidomain 120 kDa xylanase XynA of the hyperthermophilic bacterium <i>Thermotoga maritima</i> . Molecular Microbiology, 1995, 15, 431-444.	2.5	146
10	Unraveling the microbiome of a thermophilic biogas plant by metagenome and metatranscriptome analysis complemented by characterization of bacterial and archaeal isolates. Biotechnology for Biofuels, 2016, 9, 171.	6.2	134
11	Gluconic acid: Properties, production methods and applications – An excellent opportunity for agro-industrial by-products and waste bio-valorization. Process Biochemistry, 2016, 51, 1891-1903.	3.7	133
12	Purification and characterization of a novel thermostable 4- α -glucanotransferase of <i>Thermotoga maritima</i> cloned in <i>Escherichia coli</i> . FEBS Journal, 1992, 207, 81-88.	0.2	103
13	Genomic analysis reveals <i>Lactobacillus sanfranciscensis</i> as stable element in traditional sourdoughs. Microbial Cell Factories, 2011, 10, S6.	4.0	101
14	<i>Herbinix hemicellulosilytica</i> gen. nov., sp. nov., a thermophilic cellulose-degrading bacterium isolated from a thermophilic biogas reactor. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2365-2371.	1.7	90
15	Isolation and analysis of genes for amylolytic enzymes of the hyperthermophilic bacterium <i>Thermotoga maritima</i> . FEMS Microbiology Letters, 1998, 158, 9-15.	1.8	88
16	Genetic dissection of trehalose biosynthesis in <i>Corynebacterium glutamicum</i> : inactivation of trehalose production leads to impaired growth and an altered cell wall lipid composition. Microbiology (United Kingdom), 2003, 149, 1659-1673.	1.8	86
17	Metagenomic cellulases highly tolerant towards the presence of ionic liquids – linking thermostability and halotolerance. Applied Microbiology and Biotechnology, 2012, 95, 135-146.	3.6	83
18	Genome-Wide Gene Expression Analysis of the Switch between Acidogenesis and Solventogenesis in Continuous Cultures of <i>Clostridium acetobutylicum</i> . Journal of Molecular Microbiology and Biotechnology, 2011, 20, 1-15.	1.0	82

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19	Studies on lipase directed export of <i>Escherichia coli</i> β -lactamase in <i>Staphylococcus carnosus</i> . <i>Molecular Genetics and Genomics</i> , 1986, 204, 166-173.	2.4	81
20	Involvement of Two Latex-Clearing Proteins during Rubber Degradation and Insights into the Subsequent Degradation Pathway Revealed by the Genome Sequence of <i>Gordonia polyisoprenivorans</i> Strain VH2. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2874-2887.	3.1	78
21	Nucleotide sequence and fine structural analysis of the <i>Corynebacterium glutamicum</i> hom-thrB operon. <i>Molecular Microbiology</i> , 1988, 2, 63-72.	2.5	77
22	Alternative hosts for functional (meta)genome analysis. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8099-8109.	3.6	77
23	Transcriptional analysis of catabolite repression in <i>Clostridium acetobutylicum</i> growing on mixtures of d-glucose and d-xylose. <i>Journal of Biotechnology</i> , 2010, 150, 315-323.	3.8	76
24	Crystal Structure of <i>Thermotoga maritima</i> 4- β -Glucanotransferase and its Acarbose Complex: Implications for Substrate Specificity and Catalysis. <i>Journal of Molecular Biology</i> , 2002, 321, 149-162.	4.2	71
25	Cloning, Sequencing, and Characterization of a Heat- and Alkali-Stable Type I Pullulanase from <i>Anaerobranca gottschalkii</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 3407-3416.	3.1	70
26	Requirement of chelating compounds for the growth of <i>Corynebacterium glutamicum</i> in synthetic media. <i>Applied Microbiology and Biotechnology</i> , 1989, 32, 205-210.	3.6	66
27	A two-host fosmid system for functional screening of (meta)genomic libraries from extreme thermophiles. <i>Systematic and Applied Microbiology</i> , 2009, 32, 177-185.	2.8	65
28	Identification of novel esterase-active enzymes from hot environments by use of the host bacterium <i>Thermus thermophilus</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 275.	3.5	65
29	The hemicellulose-degrading enzyme system of the thermophilic bacterium <i>Clostridium stercorarium</i> : comparative characterisation and addition of new hemicellulolytic glycoside hydrolases. <i>Biotechnology for Biofuels</i> , 2018, 11, 229.	6.2	62
30	Identification and Characterization of a Novel Intracellular Alkaline β -Amylase from the Hyperthermophilic Bacterium <i>Thermotoga maritima</i> MSB8. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2206-2211.	3.1	60
31	The thermostabilizing domain of the modular xylanase XynA of <i>Thermotoga maritima</i> represents a novel type of binding domain with affinity for soluble xylan and mixed-linkage β -1,3/ β -1,4-glucan. <i>Molecular Microbiology</i> , 2000, 36, 898-912.	2.5	57
32	Isolation and analysis of a gene encoding β -glucuronidase, an enzyme with a novel primary structure involved in the breakdown of xylan. <i>Molecular Microbiology</i> , 1997, 23, 267-279.	2.5	56
33	Crystal Structure of <i>Thermotoga maritima</i> β -Glucosidase AglA Defines a New Clan of NAD ⁺ -dependent Glycosidases. <i>Journal of Biological Chemistry</i> , 2003, 278, 19151-19158.	3.4	56
34	Characterization of membrane-bound dehydrogenases from <i>Gluconobacter oxydans</i> 621H via whole-cell activity assays using multideletion strains. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6397-6412.	3.6	56
35	Deletion of pyruvate decarboxylase by a new method for efficient markerless gene deletions in <i>Gluconobacter oxydans</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2521-2530.	3.6	56
36	Studies on the utilization of lactose by <i>Corynebacterium glutamicum</i> , bearing the lactose operon of <i>Escherichia coli</i> . <i>Archives of Microbiology</i> , 1991, 155, 607-612.	2.2	54

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37	Genomics and prevalence of bacterial and archaeal isolates from biogas-producing microbiomes. <i>Biotechnology for Biofuels</i> , 2017, 10, 264.	6.2	50
38	Insights into extreme thermoacidophily based on genome analysis of <i>Picrophilus torridus</i> and other thermoacidophilic archaea. <i>Journal of Biotechnology</i> , 2006, 126, 3-10.	3.8	49
39	Purification and properties of recombinant α -glucosidase of the hyperthermophilic bacterium <i>Thermotoga maritima</i> . <i>Applied Microbiology and Biotechnology</i> , 1993, 40, 44.	3.6	48
40	Xylanase XynA from the hyperthermophilic bacterium <i>Thermotoga maritima</i> : Structure and stability of the recombinant enzyme and its isolated cellulose-binding domain. <i>Protein Science</i> , 1997, 6, 1718-1726.	7.6	47
41	<i>Thermotoga maritima</i> AgIA, an extremely thermostable NAD ⁺ , Mn ²⁺ , and thiol-dependent β -glucosidase. <i>Extremophiles</i> , 2000, 4, 189-200.	2.3	46
42	Importance of codB for new codA-based markerless gene deletion in <i>Gluconobacter</i> strains. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8341-8349.	3.6	46
43	The l-lactate dehydrogenase gene of the hyperthermophilic bacterium <i>Thermotoga maritima</i> cloned by complementation in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1993, 216, 709-715.	0.2	45
44	Properties of an α -galactosidase, and Structure of its Gene galA, within an α - and β -galactoside Utilization Gene Cluster of the Hyperthermophilic Bacterium <i>Thermotoga maritima</i> . <i>Systematic and Applied Microbiology</i> , 1998, 21, 1-11.	2.8	45
45	Comparative characterization of all cellulosomal cellulases from <i>Clostridium thermocellum</i> reveals high diversity in endoglucanase product formation essential for complex activity. <i>Biotechnology for Biofuels</i> , 2017, 10, 240.	6.2	45
46	Characterization of membrane-bound dehydrogenases of <i>Gluconobacter oxydans</i> 621H using a new system for their functional expression. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3189-3200.	3.6	44
47	Molecular and Biochemical Characterization of α -Glucosidase and α -Mannosidase and Their Clustered Genes from the Thermoacidophilic Archaeon <i>Picrophilus torridus</i> . <i>Journal of Bacteriology</i> , 2006, 188, 7123-7131.	2.2	43
48	Screening and Expression of Genes from Metagenomes. <i>Advances in Applied Microbiology</i> , 2013, 83, 1-68.	2.4	43
49	Pullulanase from the hyperthermophilic bacterium <i>Thermotoga maritima</i> : purification by β -cyclodextrin affinity chromatography. <i>Biomedical Applications</i> , 2000, 737, 245-251.	1.7	42
50	Comparative amino acid sequence analysis of <i>Thermotoga maritima</i> β -glucosidase (BglA) deduced from the nucleotide sequence of the gene indicates distant relationship between β -glucosidases of the BGA family and other families of β -1,4-glycosyl hydrolases. <i>Molecular Genetics and Genomics</i> , 1994, 242, 111-115.	2.4	41
51	A new method to evaluate temperature vs. pH activity profiles for biotechnological relevant enzymes. <i>Biotechnology for Biofuels</i> , 2017, 10, 234.	6.2	39
52	Sequence Similarity of <i>Clostridium difficile</i> Strains by Analysis of Conserved Genes and Genome Content Is Reflected by Their Ribotype Affiliation. <i>PLoS ONE</i> , 2014, 9, e86535.	2.5	39
53	Novel archaeal thermostable cellulases from an oil reservoir metagenome. <i>AMB Express</i> , 2017, 7, 183.	3.0	38
54	Cloning and characterization of α -galactoside and α -glucoside hydrolysing enzymes of <i>Thermotoga maritima</i> . <i>FEMS Microbiology Letters</i> , 1993, 109, 131-137.	1.8	37

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55	Maltose-binding protein from the hyperthermophilic bacterium <i>Thermotoga maritima</i> : stability and binding properties. <i>Journal of Molecular Biology</i> , 2000, 295, 279-288.	4.2	36
56	Extrachromosomal genetic elements in <i>Micrococcus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 63-75.	3.6	36
57	<i>Herbivorax saccincola</i> gen. nov., sp. nov., a cellulolytic, anaerobic, thermophilic bacterium isolated via in sacco enrichments from a lab-scale biogas reactor. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4458-4463.	1.7	35
58	Structure of the novel α -amylase AmyC from <i>Thermotoga maritima</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 262-270.	2.5	34
59	Xylanase Attachment to the Cell Wall of the Hyperthermophilic Bacterium <i>Thermotoga maritima</i> . <i>Journal of Bacteriology</i> , 2008, 190, 1350-1358.	2.2	34
60	Cloning and characterization of β -galactoside and β -glucoside hydrolysing enzymes of <i>Thermotoga maritima</i> . <i>FEMS Microbiology Letters</i> , 1993, 109, 131-137.	1.8	34
61	Novel Fli pilus biogenesis-dependent natural transformation. <i>Frontiers in Microbiology</i> , 2015, 6, 84.	3.5	33
62	Nucleotide sequence of α -L-arabinofuranosidases based on local similarity with several families of glycosyl hydrolases. <i>FEMS Microbiology Letters</i> , 1998, 164, 337-343.	1.8	32
63	Properties of the recombinant glucose/galactose dehydrogenase from the extreme thermoacidophile, <i>Picrophilus torridus</i> . <i>FEBS Journal</i> , 2005, 272, 1054-1062.	4.7	32
64	<i>Thermotoga maritima</i> maltosyltransferase, a novel type of maltodextrin glycosyltransferase acting on starch and malto-oligosaccharides. <i>FEBS Journal</i> , 1998, 258, 1050-1058.	0.2	30
65	Complete genome sequence of the cellulolytic thermophile <i>Ruminoclostridium cellulosi</i> wild-type strain DG5 isolated from a thermophilic biogas plant. <i>Journal of Biotechnology</i> , 2014, 188, 136-137.	3.8	30
66	Impact of Branched-Chain Amino Acid Catabolism on Fatty Acid and Alkene Biosynthesis in <i>Micrococcus luteus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 374.	3.5	29
67	AmyA, an α -Amylase with β -Cyclodextrin-Forming Activity, and AmyB from the Thermoalkaliphilic Organism <i>Anaerobranca gottschalkii</i> : Two α -Amylases Adapted to Their Different Cellular Localizations. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3709-3715.	3.1	27
68	Identification of endoxylanase XynE from <i>Clostridium thermocellum</i> as the first xylanase of glycoside hydrolase family GH141. <i>Scientific Reports</i> , 2017, 7, 11178.	3.3	27
69	Identification of residues important for NAD ⁺ -binding by the <i>Thermotoga maritima</i> α -glucosidase AglA, a member of glycoside hydrolase family 4. <i>FEBS Letters</i> , 2002, 517, 267-271.	2.8	26
70	Functional Screening of Hydrolytic Activities Reveals an Extremely Thermostable Cellulase from a Deep-Sea Archaeon. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 95.	4.1	26
71	HPAEC-PAD for oligosaccharide analysis – novel insights into analyte sensitivity and response stability. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 7169-7181.	3.7	26
72	Hyperthermostable acetyl xylan esterase. <i>Microbial Biotechnology</i> , 2010, 3, 84-92.	4.2	25

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73	A histidine gene cluster of the hyperthermophile <i>Thermotoga maritima</i> : sequence analysis and evolutionary significance. <i>Extremophiles</i> , 1998, 2, 379-389.	2.3	24
74	Comparative genotyping of <i>Clostridium thermocellum</i> strains isolated from biogas plants: Genetic markers and characterization of cellulolytic potential. <i>Systematic and Applied Microbiology</i> , 2014, 37, 311-319.	2.8	24
75	Size unlimited markerless deletions by a transconjugative plasmid-system in <i>Bacillus licheniformis</i> . <i>Journal of Biotechnology</i> , 2013, 167, 365-369.	3.8	23
76	DNA and RNA Extraction and Quantitative Real-Time PCR-Based Assays for Biogas Biocenoses in an Interlaboratory Comparison. <i>Bioengineering</i> , 2016, 3, 7.	3.5	23
77	<i>Hungateiclostridium mesophilum</i> sp. nov., a mesophilic, cellulolytic and spore-forming bacterium isolated from a biogas fermenter fed with maize silage. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3567-3573.	1.7	22
78	Complete Genome Sequence of the Solvent Producer <i>Clostridium saccharobutylicum</i> NCP262 (DSM Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	21
79	The consequence of an additional NADH dehydrogenase paralog on the growth of <i>Gluconobacter oxydans</i> DSM3504. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 375-386.	3.6	21
80	Draft genome sequence of <i>Herbinix hemicellulosilytica</i> T3/55T, a new thermophilic cellulose degrading bacterium isolated from a thermophilic biogas reactor. <i>Journal of Biotechnology</i> , 2015, 214, 59-60.	3.8	21
81	Thermostable multifunctional GH74 xyloglucanase from <i>Myceliophthora thermophila</i> : high-level expression in <i>Pichia pastoris</i> and characterization of the recombinant protein. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5653-5666.	3.6	21
82	Comparative characterization of deletion derivatives of the modular xylanase XynA of <i>Thermotoga maritima</i> . <i>Extremophiles</i> , 2006, 10, 373-381.	2.3	20
83	Toxicity of indoxyl derivative accumulation in bacteria and its use as a new counterselection principle. <i>Systematic and Applied Microbiology</i> , 2013, 36, 585-592.	2.8	20
84	<i>Corynebacterium</i> --Nonmedical. , 2006, , 796-818.		20
85	Glutamate dehydrogenase from the hyperthermophilic bacterium <i>Thermotoga maritima</i> : molecular characterization and phylogenetic implications. <i>Extremophiles</i> , 1997, 1, 53-61.	2.3	19
86	Genome Sequence of the Polysaccharide-Degrading, Thermophilic Anaerobe <i>Spirochaeta thermophila</i> DSM 6192. <i>Journal of Bacteriology</i> , 2010, 192, 6492-6493.	2.2	19
87	Optimizing the composition of a synthetic cellulosome complex for the hydrolysis of softwood pulp: identification of the enzymatic core functions and biochemical complex characterization. <i>Biotechnology for Biofuels</i> , 2018, 11, 220.	6.2	19
88	Complete Genome Sequence of <i>Clostridium stercorarium</i> subsp. <i>stercorarium</i> Strain DSM 8532, a Thermophilic Degrader of Plant Cell Wall Fibers. <i>Genome Announcements</i> , 2013, 1, e0007313.	0.8	18
89	Development of an in vivo methylation system for the solventogen <i>Clostridium saccharobutylicum</i> NCP 262 and analysis of two endonuclease mutants. <i>Journal of Biotechnology</i> , 2014, 188, 97-99.	3.8	18
90	<i>Sinorhizobium meliloti</i> strain 1021bioSandbdhAgene transcriptions are both affected by biotin available in defined medium. <i>FEMS Microbiology Letters</i> , 2000, 182, 41-44.	1.8	17

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91	Characterization and inactivation of the membrane-bound polyol dehydrogenase in <i>Gluconobacter oxydans</i> DSM 7145 reveals a role in meso-erythritol oxidation. <i>Microbiology</i> (United Kingdom), 2010, 156, 1890-1899.	1.8	17
92	Expression of membrane-bound dehydrogenases from a mother of vinegar metagenome in <i>Gluconobacter oxydans</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7901-7912.	3.6	17
93	Complete Utilization of the Major Carbon Sources Present in Sugar Beet Pulp Hydrolysates by the Oleaginous Red Yeasts <i>Rhodotorula toruloides</i> and <i>R. mucilaginosa</i> . <i>Journal of Fungi</i> (Basel,) 10, 10784314. DOI: 10.1007/s00210-020-01700-0	0.78	10
94	Plasmid-borne macrolide resistance in <i>Micrococcus luteus</i> a aThe GenBank accession number for the sequence reported in this paper is AF462611.. <i>Microbiology</i> (United Kingdom), 2002, 148, 2479-2487.	1.8	17
95	Expression in <i>Escherichia coli</i> and Structure of the Gene Encoding 4- α -Glucanotransferase from <i>Thermotoga maritima</i> . Classification of Maltodextrin Glycosyltransferases into Two Distantly Related Enzyme Subfamilies. <i>Systematic and Applied Microbiology</i> , 1994, 17, 297-305.	2.8	16
96	Differences in biomass degradation between newly isolated environmental strains of <i>Clostridium thermocellum</i> and heterogeneity in the size of the cellulosomal scaffoldin. <i>Systematic and Applied Microbiology</i> , 2015, 38, 424-432.	2.8	16
97	Structural basis for cellulose binding by the type A carbohydrate-binding module 64 of <i>Thermoplasma volcanum</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 855-858.	2.6	16
98	Synthetic co-culture of autotrophic <i>Clostridium carboxidivorans</i> and chain elongating <i>Clostridium kluyveri</i> monitored by flow cytometry. <i>Microbial Biotechnology</i> , 2022, 15, 1471-1485.	4.2	16
99	Cellulolytic enzymes from <i>Thermotoga</i> species. <i>Methods in Enzymology</i> , 2001, 330, 290-300.	1.0	15
100	First draft genome sequence of the amylolytic <i>Bacillus thermoamylovorans</i> wild-type strain 1A1 isolated from a thermophilic biogas plant. <i>Journal of Biotechnology</i> , 2014, 192, 154-155.	3.8	15
101	A metagenome-derived thermostable β -glucanase with an unusual module architecture which defines the new glycoside hydrolase family GH148. <i>Scientific Reports</i> , 2017, 7, 17306.	3.3	15
102	Transmating: conjugative transfer of a new broad host range expression vector to various <i>Bacillus</i> species using a single protocol. <i>BMC Microbiology</i> , 2018, 18, 56.	3.3	15
103	The crystal structure of <i>Thermotoga maritima</i> maltosyltransferase and its implications for the molecular basis of the novel transfer specificity 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 312, 119-131.	4.2	14
104	Proteomic analysis of the extremely thermoacidophilic archaeon <i>Picrophilus torridus</i> at pH and temperature values close to its growth limit. <i>Proteomics</i> , 2011, 11, 4559-4568.	2.2	13
105	Genetic analysis of lipolytic activities in <i>Thermus thermophilus</i> HB27. <i>Journal of Biotechnology</i> , 2014, 191, 150-157.	3.8	13
106	L-Erythrulose production with a multideletion strain of <i>Gluconobacter oxydans</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4393-4404.	3.6	13
107	Biochemical characterisation of four rhamnosidases from thermophilic bacteria of the genera <i>Thermotoga</i> , <i>Caldicellulosiruptor</i> and <i>Thermoclostridium</i> . <i>Scientific Reports</i> , 2019, 9, 15924.	3.3	13
108	Importance of <i>Defluviitalea ramosa</i> for Hydrolytic Biomass Degradation in Co-Culture with <i>Hungateiclostridium thermocellum</i> . <i>Microorganisms</i> , 2020, 8, 915.	3.6	13

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109	Novel Family of Carbohydrate-Binding Modules Revealed by the Genome Sequence of <i>Spirochaeta thermophila</i> DSM 6192. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5483-5489.	3.1	12
110	Chemostat cultivation and transcriptional analyses of <i>Clostridium acetobutylicum</i> mutants with defects in the acid and acetone biosynthetic pathways. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9777-9794.	3.6	12
111	Restriction-deficient mutants and marker-less genomic modification for metabolic engineering of the solvent producer <i>Clostridium saccharobutylicum</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 264.	6.2	12
112	Markerless deletion of putative alanine dehydrogenase genes in <i>Bacillus licheniformis</i> using a codBA-based counterselection technique. <i>Microbiology (United Kingdom)</i> , 2017, 163, 1532-1539.	1.8	12
113	<i>Variimorphobacter saccharofermentans</i> gen. nov., sp. nov., a new member of the family Lachnospiraceae, isolated from a maize-fed biogas fermenter. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	12
114	The Roles of the Various Cellulose Biosynthesis Operons in <i>Komagataeibacter hansenii</i> ATCC 23769. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0246021.	3.1	12
115	Complete Genome Sequence of the Linear Plasmid pJD12 Hosted by <i>Micrococcus</i> sp. D12, Isolated from a High-Altitude Volcanic Lake in Argentina. <i>Genome Announcements</i> , 2015, 3, .	0.8	11
116	Novel endo-(1,4)- β -glucanase Bgh12A and xyloglucanase Xgh12B from <i>Aspergillus cervinus</i> belong to GH12 subgroup I and II, respectively. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7553-7566.	3.6	11
117	An efficient method for markerless mutant generation by allelic exchange in <i>Clostridium acetobutylicum</i> and <i>Clostridium saccharobutylicum</i> using suicide vectors. <i>Biotechnology for Biofuels</i> , 2019, 12, 31.	6.2	11
118	Structure–functional analysis of the <i>Dictyoglomus</i> cell envelope. <i>Systematic and Applied Microbiology</i> , 2012, 35, 279-290.	2.8	10
119	Flow cytometric sorting of fecal bacteria after in situ hybridization with polynucleotide probes. <i>Systematic and Applied Microbiology</i> , 2016, 39, 464-475.	2.8	10
120	Complete Genome Sequence of the Novel Cellulolytic, Anaerobic, Thermophilic Bacterium <i>Herbivorax saccincola</i> Type Strain GGR1, Isolated from a Lab Scale Biogas Reactor as Established by Illumina and Nanopore MinION Sequencing. <i>Genome Announcements</i> , 2018, 6, .	0.8	10
121	<i>Ruminiclostridium herbifermentans</i> sp. nov., a mesophilic and moderately thermophilic cellulolytic and xylanolytic bacterium isolated from a lab-scale biogas fermenter fed with maize silage. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	1.7	10
122	Molecular biology: Fantastic toolkits to improve knowledge and application of acetic acid bacteria. <i>Biotechnology Advances</i> , 2022, 58, 107911.	11.7	10
123	Genomics taken to the extreme. <i>Nature Biotechnology</i> , 2004, 22, 524-525.	17.5	9
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