

Symbiotic digestion of lignocellulose in termite guts

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Symbiont-derived α -1,3-glucanases in a social insect: mutualism beyond nutrition. <i>Frontiers in Microbiology</i> , 2014, 5, 607.	1.5	48
2	Identifying the core microbial community in the gut of fungus-growing termites. <i>Molecular Ecology</i> , 2014, 23, 4631-4644.	2.0	151
3	Metabolomic profiling of ¹³ C-labelled cellulose digestion in a lower termite: insights into gut symbiont function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140990.	1.2	58
4	In vivo function and comparative genomic analyses of the <i>Drosophila</i> gut microbiota identify candidate symbiosis factors. <i>Frontiers in Microbiology</i> , 2014, 5, 576.	1.5	72
5	The fibre-associated cellulolytic bacterial community in the hindgut of wood-feeding higher termites (<i>Nasutitermes</i> spp.). <i>Environmental Microbiology</i> , 2014, 16, 2711-2722.	1.8	57
6	The Molecular Basis of Bacterial-Insect Symbiosis. <i>Journal of Molecular Biology</i> , 2014, 426, 3830-3837.	2.0	112
7	Key roles for freshwater Actinobacteria revealed by deep metagenomic sequencing. <i>Molecular Ecology</i> , 2014, 23, 6073-6090.	2.0	170
8	Gill bacteria enable a novel digestive strategy in a wood-feeding mollusk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5096-104.	3.3	98
9	Microprofiles of oxygen, redox potential, and pH, and microbial fermentation products in the highly alkaline gut of the saprophagous larva of <i>Penthetria holosericea</i> (Diptera: Bibionidae). <i>Journal of Insect Physiology</i> , 2014, 67, 64-69.	0.9	26
10	Who digests the lignocellulose?. <i>Environmental Microbiology</i> , 2014, 16, 2644-2645.	1.8	2
11	Phylogeny and Ultrastructure of <i>Oxymonas jouteli</i> , a Rostellum-free Species, and <i>Opisthomitus longiflagellatus</i> sp. nov., Oxymonadid Flagellates from the Gut of <i>Neotermes jouteli</i> . <i>Protist</i> , 2014, 165, 384-399.	0.6	11
12	Insect-mediated nitrogen dynamics in decomposing wood. <i>Ecological Entomology</i> , 2015, 40, 97-112.	1.1	46
13	Origin of termite eusociality: trophallaxis integrates the social, nutritional, and microbial environments. <i>Ecological Entomology</i> , 2015, 40, 323-335.	1.1	142
14	Population Structure of Endomicrobia in Single Host Cells of Termite Gut Flagellates (<i>Trichonympha</i> spp.). <i>Microbes and Environments</i> , 2015, 30, 92-98.	0.7	29
15	Metagenomic analysis of the microbiota in the highly compartmented hindguts of six wood- or soil-feeding higher termites. <i>Microbiome</i> , 2015, 3, 56.	4.9	65
16	Complete Genome Sequence of <i>Elizabethkingia</i> sp. BM10, a Symbiotic Bacterium of the Wood-Feeding Termite <i>Reticulitermes speratus</i> KMT1. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
17	EFFECTS OF FIVE DIVERSE LIGNOCELLULOSIC DIETS ON DIGESTIVE ENZYME BIOCHEMISTRY IN THE TERMITE <i>Reticulitermes flavipes</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2015, 90, 89-103.	0.6	10
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20	Linking lignocellulosic dietary patterns with gut microbial Enterotypes of <i>Tsitermes ampliceps</i> and comparison with <i>Mironasutitermes shangchengensis</i> . <i>Genetics and Molecular Research</i> , 2015, 14, 13954-13967.	0.3	4
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24	Profiling the Succession of Bacterial Communities throughout the Life Stages of a Higher Termite <i>Nasutitermes arborum</i> (Termitidae, Nasutitermitinae) Using 16S rRNA Gene Pyrosequencing. <i>PLoS ONE</i> , 2015, 10, e0140014.	1.1	23
25	Cellulase gene expression profiles in termites according to habitat and diet. <i>Journal of Asia-Pacific Entomology</i> , 2015, 18, 369-375.	0.4	2
26	Predominant expression and activity of vacuolar H ⁺ -ATPases in the mixed segment of the wood-feeding termite <i>Nasutitermes takasagoensis</i> . <i>Journal of Insect Physiology</i> , 2015, 78, 1-8.	0.9	5
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29	Draft Genome Sequence of <i>Clostridium beijerinckii</i> Ne1, Clostridia from an Enrichment Culture Obtained from Australian Subterranean Termite, <i>Nasutitermes exitiosus</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	2
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33	Prospects and challenges for fungal metatranscriptomics of complex communities. <i>Fungal Ecology</i> , 2015, 14, 133-137.	0.7	44
34	Phylogenetic diversity of Archaea in the intestinal tract of termites from different lineages. <i>Journal of Basic Microbiology</i> , 2015, 55, 1021-1028.	1.8	15
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38	The Gut Microbiota of Termites: Digesting the Diversity in the Light of Ecology and Evolution. <i>Annual Review of Microbiology</i> , 2015, 69, 145-166.	2.9	312
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42	The Gut Microbiota of Workers of the Litter-Feeding Termite <i>Syntermes wheeleri</i> (Termitidae: Tj ETQq1 1 0.784314 rrgBT /Overlock 10 T	1.4	26
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53	Comparative Analysis of Microbial Diversity in Termite Gut and Termite Nest Using Ion Sequencing. <i>Current Microbiology</i> , 2016, 72, 267-75.	1.0	28
54	<i>Dysgonomonas termitidis</i> sp. nov., isolated from the gut of the subterranean termite <i>Reticulitermes speratus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 681-685.	0.8	73

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93	The Role of Symbionts in the Evolution of Termites and Their Rise to Ecological Dominance in the Tropics. <i>Advances in Environmental Microbiology</i> , 2016, , 121-172.	0.1	14
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101	Host origin and tissue microhabitat shaping the microbiota of the terrestrial isopod <i>Armadillidium vulgare</i> . <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw063.	1.3	41
102	Digestion of Termiticide Bait Matrices by the Pest Termite <i>Reticulitermes flavipes</i> (Isoptera:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 Td</i>	0.8	4
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109	Insect biodiversity: underutilized bioresource for sustainable applications in life sciences. <i>Regional Environmental Change</i> , 2017, 17, 1445-1454.	1.4	21

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110	Metagenomic mining of glycoside hydrolases from the hindgut bacterial symbionts of a termite (<i>Trinervitermes trinervoides</i>) and the characterization of a multimodular xylanase (GH11). <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 174-186.	1.4	22
111	Morphophysiological study of digestive system litter-feeding termite <i>Cornitermes cumulans</i> (Kollar). <i>Trends in Microbiology</i> , 2017, 15, 107-114.	1.5	9
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129	Draft Genome Sequence of <i>Lactococcus</i> sp. Strain Rs-Y01, Isolated from the Gut of the Lower Termite <i>Reticulitermes speratus</i> . <i>Genome Announcements</i> , 2017, 5, .	0.8	1
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