Andreas Brune

List of Publications by Year
in descending order

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160	12,128	23879 60	36203 101
papers	citations	h-index	g-index

180	180	180	9814
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The functional evolution of termite gut microbiota. Microbiome, 2022, 10, .	4.9	35
2	A new family for â€˜termite gut treponemesâ€™: description of Breznakiellaceae fam. nov., Gracilinema caldarium gen. nov., comb. nov., Leadbettera azotonutricia gen. nov., comb. nov., Helmutkoenigia isoptericolens gen. nov., comb. nov., and Zuelzera stenostrepta gen. nov., comb. nov., and proposal of Rectinemataceae fam. nov.. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	0.8	35
3	Comparative Analysis of Brucepastera parasyntrophica gen. nov., sp. nov. and Teretinema zuelzerae gen. nov., comb. nov. (Treponemataceae) Reveals the Importance of Interspecies Hydrogen Transfer in the Energy Metabolism of Spirochetes. Applied and Environmental Microbiology, 2022, 88, .	1.4	2
4	Characterization and phylogenomic analysis of Breznakiella homolactica gen. nov. sp. nov. indicate that termite gut treponemes evolved from nonâ€acetogenic spirochetes in cockroaches. Environmental Microbiology, 2021, 23, 4228-4245.	1.8	15
5	Methanogenesis in the Digestive Tracts of the Tropical Millipedes Archispirostreptus gigas (Diplopoda,) Tj ETQq1 1 0.784314 rgBT /Ov Microbiology, 2021, 87, e0061421.	1.4	12
6	Long rDNA amplicon sequencing of insect-infecting nephridiophagids reveals their affiliation to the Chytridiomycota and a potential to switch between hosts. Scientific Reports, 2021, 11, 396.	1.6	12
7	Efficient but occasionally imperfect vertical transmission of gut mutualistic protists in a woodâ€feeding termite. Molecular Ecology, 2020, 29, 308-324.	2.0	32
8	The hydrogen threshold of obligately methyl-reducing methanogens. FEMS Microbiology Letters, 2020, 367, .	0.7	49
9	Metabolic Potential for Reductive Acetogenesis and a Novel Energy-Converting [NiFe] Hydrogenase in Bathyarchaeia From Termite Guts â€“ A Genome-Centric Analysis. Frontiers in Microbiology, 2020, 11, 635786.	1.5	23
10	Phylogenomic analysis of 589 metagenome-assembled genomes encompassing all major prokaryotic lineages from the gut of higher termites. PeerJ, 2020, 8, e8614.	0.9	43
11	Novel Lineages of Oxymonad Flagellates from the Termite Porotermes adamsoni (Stolotermitidae): the Genera Oxynympha and Termitimonas. Protist, 2019, 170, 125683.	0.6	5
12	Diet is not the primary driver of bacterial community structure in the gut of litter-feeding cockroaches. BMC Microbiology, 2019, 19, 238.	1.3	23
13	Methanogenesis in the Digestive Tracts of Insects and Other Arthropods. , 2019, , 229-260.		12
14	Rampant Host Switching Shaped the Termite Gut Microbiome. Current Biology, 2018, 28, 649-654.e2.	1.8	101
15	Ereboglobus luteus gen. nov. sp. nov. from cockroach guts, and new insights into the oxygen relationship of the genera Opitutus and Didymococcus (Verrucomicrobia : Opitutaceae). Systematic and Applied Microbiology, 2018, 41, 101-112.	1.2	30
16	Fiber-associated spirochetes are major agents of hemicellulose degradation in the hindgut of wood-feeding higher termites. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11996-E12004.	3.3	90
17	Methanogenesis in the Digestive Tracts of Insects and Other Arthropods. , 2018, , 1-32.		3
18	Exclusive Gut Flagellates of Serritermitidae Suggest a Major Transfaunation Event in Lower Termites: Description of Heliconympha glossotermitis gen. nov. spec. nov.. Journal of Eukaryotic Microbiology, 2018, 65, 77-92.	0.8	29

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19	Hand over that gun: lateral gene transfer provides an amoeba with a bacterial weapon. Environmental Microbiology, 2017, 19, 847-848.	1.8	0
20	The complete mitochondrial genomes of the higher termitesLabiotermes labralisandEmbiratermes neotenicus(Termitidae: Syntermitinae). Mitochondrial DNA Part B: Resources, 2017, 2, 109-110.	0.2	5
21	Ectosymbiotic Endomicrobia â€“ a transition stage towards intracellular symbionts?. Environmental Microbiology Reports, 2017, 9, 474-476.	1.0	2
22	Highâ€resolution phylogenetic analysis of Endomicrobia reveals multiple acquisitions of endosymbiotic lineages by termite gut flagellates. Environmental Microbiology Reports, 2017, 9, 477-483.	1.0	25
23	Genome Analysis of Endomicrobium proavitum Suggests Loss and Gain of Relevant Functions during the Evolution of Intracellular Symbionts. Applied and Environmental Microbiology, 2017, 83, .	1.4	17
24	Microenvironmental heterogeneity of gut compartments drives bacterial community structure in wood- and humus-feeding higher termites. FEMS Microbiology Ecology, 2017, 93, fiw210.	1.3	59
25	Age polyethism drives community structure of the bacterial gut microbiota in the fungusâ€cultivating termite <scp>O</scp>dontotermes formosanus. Environmental Microbiology, 2016, 18, 1440-1451.	1.8	33
26	â€˜Candidatus Adiutrix intracellularisâ€™, an endosymbiont of termite gut flagellates, is the first representative of a deepâ€branching clade of Deltaproteobacteria and a putative homoacetogen. Environmental Microbiology, 2016, 18, 2548-2564.	1.8	50
27	<scp>E</scp>ndomicrobium proavitum, the first isolate of <scp>E</scp>ndomicrobia class. nov. (phylum <scp>E</scp>lusimicrobia) â€“ an ultramicrobacterium with an unusual cell cycle that fixes nitrogen with a <scp>G</scp>roup <scp>IV</scp> nitrogenase. Environmental Microbiology, 2016, 18, 191-204.	1.8	125
28	Breznakia blatticola gen. nov. sp. nov. and Breznakia pachnodae sp. nov., two fermenting bacteria isolated from insect guts, and emended description of the family Erysipelotrichaceae. Systematic and Applied Microbiology, 2016, 39, 319-329.	1.2	45
29	Genome analysis of â€˜Candidatus Ancillula trichonymphaeâ€™, first representative of a deepâ€branching clade of Bifidobacteriales, strengthens evidence for convergent evolution in flagellate endosymbionts. Environmental Microbiology Reports, 2016, 8, 865-873.	1.0	16
30	Restriction-Modification Systems as Mobile Genetic Elements in the Evolution of an Intracellular Symbiont. Molecular Biology and Evolution, 2016, 33, 721-725.	3.5	22
31	The complete mitogenomes of six higher termite species reconstructed from metagenomic datasets (Cornitermes sp., Cubitermes ugandensis, Microcerotermes parvus, Nasutitermes corniger,) Tj ETQq1 1 0.784314 rgBT /Overl Sequencing, and Analysis, 2016, 27, 3903-3904.	0.7	16
32	Deterministic Assembly of Complex Bacterial Communities in Guts of Germ-Free Cockroaches. Applied and Environmental Microbiology, 2016, 82, 1256-1263.	1.4	59
33	Oxygen Affects Gut Bacterial Colonization and Metabolic Activities in a Gnotobiotic Cockroach Model. Applied and Environmental Microbiology, 2016, 82, 1080-1089.	1.4	42
34	Population Structure of Endomicrobia in Single Host Cells of Termite Gut Flagellates (<i>Trichonympha</i> spp.). Microbes and Environments, 2015, 30, 92-98.	0.7	29
35	Metagenomic analysis of the microbiota in the highly compartmented hindguts of six wood- or soil-feeding higher termites. Microbiome, 2015, 3, 56.	4.9	65
36	Diet is the primary determinant of bacterial community structure in the guts of higher termites. Molecular Ecology, 2015, 24, 5284-5295.	2.0	143

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37	Complete Genome Sequence of Endomicrobium proavitum , a Free-Living Relative of the Intracellular Symbionts of Termite Gut Flagellates (Phylum Elusimicrobia). Genome Announcements, 2015, 3, .	0.8	27
38	New Mode of Energy Metabolism in the Seventh Order of Methanogens as Revealed by Comparative Genome Analysis of â€œCandidatus Methanoplasma termitumâ€• Applied and Environmental Microbiology, 2015, 81, 1338-1352.	1.4	235
39	The Gut Microbiota of Termites: Digesting the Diversity in the Light of Ecology and Evolution. Annual Review of Microbiology, 2015, 69, 145-166.	2.9	312
40	Physicochemical conditions, metabolites and community structure of the bacterial microbiota in the gut of wood-feeding cockroaches (Blaberidae: Panesthiinae). FEMS Microbiology Ecology, 2015, 91, 1-14.	1.3	50
41	Classifying the bacterial gut microbiota of termites and cockroaches: A curated phylogenetic reference database (DictDb). Systematic and Applied Microbiology, 2015, 38, 472-482.	1.2	87
42	Identifying the core microbial community in the gut of fungusâ€growing termites. Molecular Ecology, 2014, 23, 4631-4644.	2.0	151
43	Symbiotic digestion of lignocellulose in termite guts. Nature Reviews Microbiology, 2014, 12, 168-180.	13.6	680
44	The fibreâ€associated cellulolytic bacterial community in the hindgut of woodâ€feeding higher termites (<scp>N</scp>asutitermes spp.). Environmental Microbiology, 2014, 16, 2711-2722.	1.8	57
45	Microprofiles of oxygen, redox potential, and pH, and microbial fermentation products in the highly alkaline gut of the saprophagous larva of Penthetria holosericea (Diptera: Bibionidae). Journal of Insect Physiology, 2014, 67, 64-69.	0.9	26
46	Phylogeny and Ultrastructure of Oxymonas jouteli, a Rostellum-free Species, and Opisthomitus longiflagellatus sp. nov., Oxymonadid Flagellates from the Gut of Neotermes jouteli. Protist, 2014, 165, 384-399.	0.6	11
47	The Cockroach Origin of the Termite Gut Microbiota: Patterns in Bacterial Community Structure Reflect Major Evolutionary Events. Applied and Environmental Microbiology, 2014, 80, 2261-2269.	1.4	229
48	Pyrotag Sequencing of the Gut Microbiota of the Cockroach Shelfordella lateralis Reveals a Highly Dynamic Core but Only Limited Effects of Diet on Community Structure. PLoS ONE, 2014, 9, e85861.	1.1	63
49	The Family Elusimicrobiaceae. , 2014, , 637-640.		3
50	Symbiotic Associations Between Termites and Prokaryotes. , 2013, , 545-577.		12
51	Immune-modulating gut symbionts are not â€œCandidatus Arthromitusâ€• Mucosal Immunology, 2013, 6, 200-201.	2.7	43
52	â€œMethanoplasmatales,â€•Thermoplasmatales-Related Archaea in Termite Guts and Other Environments, Are the Seventh Order of Methanogens. Applied and Environmental Microbiology, 2012, 78, 8245-8253.	1.4	331
53	High-Resolution Analysis of Gut Environment and Bacterial Microbiota Reveals Functional Compartmentation of the Gut in Wood-Feeding Higher Termites (Nasutitermes spp.). Applied and Environmental Microbiology, 2012, 78, 4691-4701.	1.4	192
54	Bacteroidales ectosymbionts of gut flagellates shape the nitrogen-fixing community in dry-wood termites. ISME Journal, 2012, 6, 1302-1313.	4.4	83

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55	Cartwheel Architecture of Trichonympha Basal Body. Science, 2012, 337, 553-553.	6.0	84
56	The Bacterial Community in the Gut of the Cockroach Shelfordella lateralis Reflects the Close Evolutionary Relatedness of Cockroaches and Termites. Applied and Environmental Microbiology, 2012, 78, 2758-2767.	1.4	150
57	Microbial Symbioses in the Digestive Tract of Lower Termites. , 2012, , 3-25.		9
58	â€˜<scp>C</scp>andidatus<scp>A</scp>ncillula trichonymphaeâ€™, a novel lineage of endosymbiotic <scp>A</scp>ctinobacteria in termite gut flagellates of the genus <scp>T</scp>richonympha. Environmental Microbiology, 2012, 14, 3259-3270.	1.8	43
59	Biogeography of pelagic bacterioplankton across an antagonistic temperatureâ€“salinity gradient in the Red Sea. Molecular Ecology, 2012, 21, 388-405.	2.0	98
60	Humic substance-mediated Fe(III) reduction by a fermenting Bacillus strain from the alkaline gut of a humus-feeding scarab beetle larva. Systematic and Applied Microbiology, 2012, 35, 226-232.	1.2	23
61	Nitrate reduction, nitrous oxide formation, and anaerobic ammonia oxidation to nitrite in the gut of soilâ€feeding termites (Cubitermes and Ophiotermes spp.). Environmental Microbiology, 2012, 14, 860-871.	1.8	45
62	â€˜Candidatus Arthromitusâ€™ revised: segmented filamentous bacteria in arthropod guts are members of Lachnospiraceae. Environmental Microbiology, 2012, 14, 1454-1465.	1.8	101
63	The bacterial microbiota in the ceca of Capercaillie (Tetrao urogallus) differs between wild and captive birds. Systematic and Applied Microbiology, 2011, 34, 542-551.	1.2	106
64	Effect of soil invertebrates on the formation of humic substances under laboratory conditions. Eurasian Soil Science, 2011, 44, 893-896.	0.5	16
65	Nitrogen mineralization, denitrification, and nitrate ammonification by soil-feeding termites: a 15N-based approach. Biogeochemistry, 2011, 103, 355-369.	1.7	33
66	Strict cospeciation of devescovinid flagellates and Bacteroidales ectosymbionts in the gut of dryâ€wood termites (Kalotermitidae). Environmental Microbiology, 2010, 12, 2120-2132.	1.8	88
67	Selective digestion of the proteinaceous component of humic substances by the geophagous earthworms Metaphire guillelmi and Amynthas corrugatus. Soil Biology and Biochemistry, 2010, 42, 1455-1462.	4.2	70
68	Inter- and intraspecific comparison of the bacterial assemblages in the hindgut of humivorous scarab beetle larvae (Pachnoda spp.). FEMS Microbiology Ecology, 2010, 74, 439-449.	1.3	51
69	Identification and localization of the multiple bacterial symbionts of the termite gut flagellate Joenia annectens. Microbiology (United Kingdom), 2010, 156, 2068-2079.	0.7	61
70	Role of the Termite Gut Microbiota in Symbiotic Digestion. , 2010, , 439-475.		52
71	Putatively freeâ€living â€˜Endomicrobiaâ€™â€“ ancestors of the intracellular symbionts of termite gut flagellates?. Environmental Microbiology Reports, 2010, 2, 554-559.	1.0	38
72	Methanogens in the Digestive Tract of Termites. Microbiology Monographs, 2010, , 81-100.	0.3	29

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73	Diversity, Structure, and Evolution of the Termite Gut Microbial Community. , 2010, , 413-438.		40
74	Symbionts Aiding Digestion. , 2009, , 978-983.		12
75	Genomic Analysis of â€œ Elusimicrobium minutum ,â€•the First Cultivated Representative of the Phylum â€œ Elusimicrobia â€•(Formerly Termite Group 1). Applied and Environmental Microbiology, 2009, 75, 2841-2849.	1.4	95
76	The True Diversity of Devescovinid Flagellates in the Termite Incisitermes marginipennis. Protist, 2009, 160, 522-535.	0.6	24
77	Cospeciation of termite gut flagellates and their bacterial endosymbionts: Trichonympha species and â€˜Candidatus Endomicrobium trichonymphaeâ€™. Molecular Ecology, 2009, 18, 332-342.	2.0	116
78	The Ultramicrobacterium â€œ Elusimicrobium minutum â€•gen. nov., sp. nov., the First Cultivated Representative of the Termite Group 1 Phylum. Applied and Environmental Microbiology, 2009, 75, 2831-2840.	1.4	162
79	Novel lineages of Planctomycetes densely colonize the alkaline gut of soilâ€feeding termites (Cubitermes spp.). Environmental Microbiology, 2008, 10, 1260-1270.	1.8	63
80	Peptidic soil components are a major dietary resource for the humivorous larvae of Pachnoda spp. (Coleoptera: Scarabaeidae). Journal of Insect Physiology, 2008, 54, 105-113.	0.9	16
81	Gut pH, redox conditions and oxygen levels in an aquatic caterpillar: Potential effects on the fate of ingested tannins. Journal of Insect Physiology, 2008, 54, 462-471.	0.9	33
82	Soilâ€carbon preservation through habitat constraints and biological limitations on decomposer activity. Journal of Plant Nutrition and Soil Science, 2008, 171, 27-35.	1.1	156
83	The Termite Group I Phylum Is Highly Diverse and Widespread in the Environment. Applied and Environmental Microbiology, 2007, 73, 6682-6685.	1.4	46
84	Methane Oxidation in Termite Hindguts: Absence of Evidence and Evidence of Absence. Applied and Environmental Microbiology, 2007, 73, 2024-2028.	1.4	30
85	Phylogenetic diversity of â€˜Endomicrobiaâ€™ and their specific affiliation with termite gut flagellates. Microbiology (United Kingdom), 2007, 153, 3458-3465.	0.7	75
86	Woodworker's digest. Nature, 2007, 450, 487-488.	13.7	36
87	Hydrogen is the central free intermediate during lignocellulose degradation by termite gut symbionts. ISME Journal, 2007, 1, 551-565.	4.4	100
88	Bacterial symbionts in the hepatopancreas of isopods: diversity and environmental transmission. FEMS Microbiology Ecology, 2007, 61, 141-152.	1.3	72
89	Simultaneous methanogenesis and oxygen reduction by Methanobrevibacter cuticularis at low oxygen fluxes. FEMS Microbiology Ecology, 2007, 62, 303-312.	1.3	54
90	Transformation and mineralization of soil organic nitrogen by the humivorous larva of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Plant and Soil, 2007, 301, 233-244.	1.8	14

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91	Symbiotic Associations Between Termites and Prokaryotes. , 2006, , 439-474.		53
92	Prokaryotic Symbionts of Termite Gut Flagellates: Phylogenetic and Metabolic Implications of a Tripartite Symbiosis. , 2006, 41, 39-60.		58
93	Expression profiles of fhs (FTHFS) genes support the hypothesis that spirochaetes dominate reductive acetogenesis in the hindgut of lower termites. Environmental Microbiology, 2006, 8, 1261-1270.	1.8	77
94	The gut microflora of Reticulitermes flavipes, its relation to oxygen, and evidence for oxygen-dependent acetogenesis by the most abundant Enterococcus sp.. FEMS Microbiology Ecology, 2006, 24, 137-149.	1.3	103
95	Mobilization of soil phosphorus during passage through the gut of larvae of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Plant and Soil, 2006, 288, 263-270.	1.8	12
96	Nitrogen Mineralization, Ammonia Accumulation, and Emission of Gaseous NH3 by Soil-feeding Termites. Biogeochemistry, 2006, 78, 267-283.	1.7	60
97	Nest specificity of the bacterial community in termite guts (Hodotermes mossambicus). Insectes Sociaux, 2006, 53, 339-344.	0.7	57
98	Sporotalea propionica gen. nov. sp. nov., a hydrogen-oxidizing, oxygen-reducing, propionigenic firmicute from the intestinal tract of a soil-feeding termite. Archives of Microbiology, 2006, 187, 15-27.	1.0	38
99	Niche heterogeneity determines bacterial community structure in the termite gut (Reticulitermes) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	127
100	Digestion of microbial biomass, structural polysaccharides, and protein by the humivorous larva of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Soil Biology and Biochemistry, 2005, 37, 107-116.	4.2	33
101	Selective digestion of the peptide and polysaccharide components of synthetic humic acids by the humivorous larva of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Soil Biology and Biochemistry, 2005, 37, 1476-1483.	4.2	22
102	Digestion of peptidic residues in humic substances by an alkali-stable and humic-acid-tolerant proteolytic activity in the gut of soil-feeding termites. Soil Biology and Biochemistry, 2005, 37, 1648-1655.	4.2	63
103	Physiological properties of the gut lumen of terrestrial isopods (Isopoda: Oniscidea): adaptive to digesting lignocellulose?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2005, 175, 275-283.	0.7	34
104	Dynamics of Redox Changes of Iron Caused by Lightâ€“dark Variations in Littoral Sediment of a Freshwater Lake. Biogeochemistry, 2005, 74, 323-339.	1.7	38
105	â€œ Endomicrobia â€¦ Cytoplasmic Symbionts of Termite Gut Protozoa Form a Separate Phylum of Prokaryotes. Applied and Environmental Microbiology, 2005, 71, 1473-1479.	1.4	140
106	Structure and Topology of Microbial Communities in the Major Gut Compartments of Melolontha melolontha Larvae (Coleoptera: Scarabaeidae). Applied and Environmental Microbiology, 2005, 71, 4556-4566.	1.4	104
107	In Situ Measurements of Metabolite Fluxes: Microinjection of Radiotracers into Insect Guts and Other Small Compartments. Methods in Enzymology, 2005, 397, 200-212.	0.4	0
108	Synthesis of [13C]- and [14C]-labeled phenolic humus and lignin monomers. Chemosphere, 2005, 60, 1169-1181.	4.2	26

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109	â€œ Candidatus Hepatoplasma crinochetorum,â€•a New, Stalk-Forming Lineage of Mollicutes Colonizing the Midgut Glands of a Terrestrial Isopod. Applied and Environmental Microbiology, 2004, 70, 6166-6172.	1.4	81
110	pmoA -Based Analysis of Methanotrophs in a Littoral Lake Sediment Reveals a Diverse and Stable Community in a Dynamic Environment. Applied and Environmental Microbiology, 2004, 70, 3138-3142.	1.4	85
111	Symbionts of the gut flagellate Staurojoenina sp. from Neotermes cubanus represent a novel, termite-associated lineage of Bacteroidales: description of â€˜Candidatus Vestibaculum illigatumâ€™. Microbiology (United Kingdom), 2004, 150, 2229-2235.	0.7	60
112	Characterization and partial purification of proteinases from the highly alkaline midgut of the humivorous larvae of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Soil Biology and Biochemistry, 2004, 36, 435-442.	4.2	22
113	? Candidatus Hepatincola porcellionum? gen. nov., sp. nov., a new, stalk-forming lineage of Rickettsiales colonizing the midgut glands of a terrestrial isopod. Archives of Microbiology, 2004, 181, 299-304.	1.0	64
114	Electron shuttling via humic acids in microbial iron(III) reduction in a freshwater sediment. FEMS Microbiology Ecology, 2004, 47, 85-92.	1.3	313
115	Preferential cultivation of type II methanotrophic bacteria from littoral sediments (Lake Constance). FEMS Microbiology Ecology, 2004, 47, 179-189.	1.3	57
116	Changes in amount of bacteria during gut passage of leaf litter and during coprophagy in three species ofBibionidae (Diptera) larvae. Folia Microbiologica, 2003, 48, 535-542.	1.1	25
117	Phylogenetic Diversity and Whole-Cell Hybridization of Oxymonad Flagellates from the Hindgut of the Wood-Feeding Lower Termite Reticulitermes flavipes. Protist, 2003, 154, 147-155.	0.6	42
118	In vivo observation of conidial germination at the oxicÃ¢Â€Â“anoxic interface and infection of submerged reed roots by Microdochium bolleyi. FEMS Microbiology Ecology, 2003, 45, 293-299.	1.3	11
119	The gut microenvironment of helicid snails (Gastropoda: Pulmonata): in-situ profiles of pH, oxygen, and hydrogen determined by microsensors. Canadian Journal of Zoology, 2003, 81, 928-935.	0.4	32
120	Hydrogen-Dependent Oxygen Reduction by Homoacetogenic Bacteria Isolated from Termite Guts. Applied and Environmental Microbiology, 2003, 69, 779-786.	1.4	69
121	Phylogenetic Diversity, Abundance, and Axial Distribution of Bacteria in the Intestinal Tract of Two Soil-Feeding Termites (Cubitermes spp.). Applied and Environmental Microbiology, 2003, 69, 6007-6017.	1.4	136
122	Physicochemical Conditions and Microbial Activities in the Highly Alkaline Gut of the Humus-Feeding Larva of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Applied and Environmental Microbiology, 2003, 69, 6650-6658.	1.4	145
123	Sporomusa aerivorans sp. nov., an oxygen-reducing homoacetogenic bacterium from the gut of a soil-feeding termite. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1397-1404.	0.8	54
124	Microbial Community Structure in Midgut and Hindgut of the Humus-Feeding Larva of Pachnoda ephippiata (Coleoptera: Scarabaeidae). Applied and Environmental Microbiology, 2003, 69, 6659-6668.	1.4	186
125	Axial Dynamics, Stability, and Interspecies Similarity of Bacterial Community Structure in the Highly Compartmentalized Gut of Soil-Feeding Termites (Cubitermes spp.). Applied and Environmental Microbiology, 2003, 69, 6018-6024.	1.4	81
126	Propionivibrio limicola sp. nov., a fermentative bacterium specialized in the degradation of hydroaromatic compounds, reclassification of Propionibacter pelophilus as Propionivibrio pelophilus comb. nov. and amended description of the genus Propionivibrio.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 441-444.	0.8	42

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127	Dynamics of redox potential and changes in redox state of iron and humic acids during gut passage in soil-feeding termites (Cubitermes spp.). Soil Biology and Biochemistry, 2002, 34, 221-227.	4.2	46
128	Ilyobacter insuetus sp. nov., a fermentative bacterium specialized in the degradation of hydroaromatic compounds.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 429-432.	0.8	16
129	Dynamics in composition and size-class distribution of humic substances in profundal sediments of Lake Constance. Organic Geochemistry, 2001, 32, 3-10.	0.9	22
130	Transformation and mineralization of 14 C-labeled cellulose, peptidoglycan, and protein by the soil-feeding termite Cubitermes orthognathus. Biology and Fertility of Soils, 2001, 33, 166-174.	2.3	58
131	Ferrous iron oxidation by denitrifying bacteria in profundal sediments of a deep lake (Lake Constance). FEMS Microbiology Ecology, 2001, 37, 127-134.	1.3	98
132	Cross-Epithelial Hydrogen Transfer from the Midgut Compartment Drives Methanogenesis in the Hindgut of Cockroaches. Applied and Environmental Microbiology, 2001, 67, 4657-4661.	1.4	29
133	Axial Differences in Community Structure of Crenarchaeota and Euryarchaeota in the Highly Compartmentalized Gut of the Soil-Feeding Termite Cubitermes orthognathus. Applied and Environmental Microbiology, 2001, 67, 4880-4890.	1.4	114
134	Impact of oxygen on metabolic fluxes and in situ rates of reductive acetogenesis in the hindgut of the wood-feeding termite Reticulitermes flavipes. Environmental Microbiology, 2000, 2, 436-449.	1.8	82
135	Life at the oxicâ€“anoxic interface: microbial activities and adaptations. FEMS Microbiology Reviews, 2000, 24, 691-710.	3.9	322
136	Life at the oxicâ€“anoxic interface: microbial activities and adaptations. FEMS Microbiology Reviews, 2000, 24, 691-710.	3.9	134
137	Characterization of abundance and diversity of lactic acid bacteria in the hindgut of wood- and soil-feeding termites by molecular and culture-dependent techniques. Archives of Microbiology, 2000, 173, 126-137.	1.0	105
138	Microecology of the termite gut: structure and function on a microscale. Current Opinion in Microbiology, 2000, 3, 263-269.	2.3	208
139	Transformation and mineralization of synthetic 14C-labeled humic model compounds by soil-feeding termites. Soil Biology and Biochemistry, 2000, 32, 1281-1291.	4.2	73
140	Synthesis and characterization of specifically 14C-labeled humic model compounds for feeding trials with soil-feeding termites. Soil Biology and Biochemistry, 2000, 32, 1271-1280.	4.2	32
141	Differential enumeration and in situ localization of microorganisms in the hindgut of the lower termite Mastotermes darwiniensis by hybridization with rRNA-targeted probes. Archives of Microbiology, 1999, 172, 407-416.	1.0	80
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