Martin Embley

List of Publications by Year
in descending order

66 papers	11,428 citations	50566 48 h-index	111975 67 g-index
71 all docs	71 docs citations	71 times ranked	9642 citing authors

#	Article	IF	Citations
1	A new family of cell surface located purine transporters in Microsporidia and related fungal endoparasites. ELife, 2019, 8, .	2.8	24
2	Resculpting the binding pocket of APC superfamily LeuT-fold amino acid transporters. Cellular and Molecular Life Sciences, 2018, 75, 921-938.	2.4	21
3	Transporter gene acquisition and innovation in the evolution of Microsporidia intracellular parasites. Nature Communications, 2018, 9, 1709.	5.8	58
4	Evolutionary conservation and in vitro reconstitution of microsporidian ironâ€“sulfur cluster biosynthesis. Nature Communications, 2017, 8, 13932.	5.8	67
5	Phylogenetic Diversity of NTT Nucleotide Transport Proteins in Free-Living and Parasitic Bacteria and Eukaryotes. Genome Biology and Evolution, 2017, 9, 480-487.	1.1	33
6	Microsporidia: Why Make Nucleotides if You Can Steal Them?. PLoS Pathogens, 2016, 12, e1005870.	2.1	62
7	Transcriptomic profiling of host-parasite interactions in the microsporidian Trachipleistophora hominis. BMC Genomics, 2015, 16, 983.	1.2	30
8	Lateral gene transfers and the origins of the eukaryote proteome: a view from microbial parasites. Current Opinion in Microbiology, 2015, 23, 155-162.	2.3	42
9	Transport proteins of parasitic protists and their role in nutrient salvage. Frontiers in Plant Science, 2014, 5, 153.	1.7	65
10	Archaeal â€œDark Matterâ€•and the Origin of Eukaryotes. Genome Biology and Evolution, 2014, 6, 474-481.	1.1	81
11	Compositional Biases among Synonymous Substitutions Cause Conflict between Gene and Protein Trees for Plastid Origins. Molecular Biology and Evolution, 2014, 31, 1697-1709.	3.5	49
12	Plasma Membrane-Located Purine Nucleotide Transport Proteins Are Key Components for Host Exploitation by Microsporidian Intracellular Parasites. PLoS Pathogens, 2014, 10, e1004547.	2.1	69
13	Bayesian modelling of compositional heterogeneity in molecular phylogenetics. Statistical Applications in Genetics and Molecular Biology, 2014, 13, 589-609.	0.2	17
14	Conflicting Phylogenies for Early Land Plants are Caused by Composition Biases among Synonymous Substitutions. Systematic Biology, 2014, 63, 272-279.	2.7	172
15	Patterns of prokaryotic lateral gene transfers affecting parasitic microbial eukaryotes. Genome Biology, 2013, 14, R19.	13.9	80
16	Reduction and Expansion in Microsporidian Genome Evolution: New Insights from Comparative Genomics. Genome Biology and Evolution, 2013, 5, 2285-2303.	1.1	114
17	An archaeal origin of eukaryotes supports only two primary domains of life. Nature, 2013, 504, 231-236.	13.7	456
18	The Genome of the Obligate Intracellular Parasite Trachipleistophora hominis: New Insights into Microsporidian Genome Dynamics and Reductive Evolution. PLoS Pathogens, 2012, 8, e1002979.	2.1	127

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19	The SAR11 Group of Alpha-Proteobacteria Is Not Related to the Origin of Mitochondria. PLoS ONE, 2012, 7, e30520.	1.1	71
20	Informational Gene Phylogenies Do Not Support a Fourth Domain of Life for Nucleocytoplasmic Large DNA Viruses. PLoS ONE, 2011, 6, e21080.	1.1	73
21	Planctomycetes and eukaryotes: A case of analogy not homology. BioEssays, 2011, 33, 810-817.	1.2	79
22	Diversity and reductive evolution of mitochondria among microbial eukaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 713-727.	1.8	190
23	Horizontal Gene Transfer in Eukaryotic Parasites: A Case Study of Entamoeba histolytica and Trichomonas vaginalis. Methods in Molecular Biology, 2009, 532, 489-500.	0.4	48
24	Localization and functionality of microsporidian ironâ€"sulphur cluster assembly proteins. Nature, 2008, 452, 624-628.	13.7	210
25	A novel route for ATP acquisition by the remnant mitochondria of Encephalitozoon cuniculi. Nature, 2008, 453, 553-556.	13.7	222
26	The archaebacterial origin of eukaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20356-20361.	3.3	306
27	Reductive Evolution of the Mitochondrial Processing Peptidases of the Unicellular Parasites Trichomonas vaginalis and Giardia intestinalis. PLoS Pathogens, 2008, 4, e1000243.	2.1	56
28	Frataxin, a Conserved Mitochondrial Protein, in the Hydrogenosome of Trichomonas vaginalis. Eukaryotic Cell, 2007, 6, 1431-1438.	3.4	43
29	Of clades and clans: terms for phylogenetic relationships in unrooted trees. Trends in Ecology and Evolution, 2007, 22, 114-115.	4.2	145
30	Structure and Content of the Entamoeba histolytica Genome. Advances in Parasitology, 2007, 65, 51-190.	1.4	188
31	Draft Genome Sequence of the Sexually Transmitted Pathogen Trichomonas vaginalis. Science, 2007, 315, 207-212.	6.0	731
32	Hydrogenosomal succinyl-CoA synthetase from the rumen-dwelling fungus Neocallimastix patriciarum; an energy-producing enzyme of mitochondrial origin. Gene, 2006, 373, 75-82.	1.0	20
33	Eukaryotic evolution, changes and challenges. Nature, 2006, 440, 623-630.	13.7	805
34	Multiple secondary origins of the anaerobic lifestyle in eukaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 1055-1067.	1.8	110
35	Introduction: how and when did microbes change the world?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 845-850.	1.8	29
36	The genome of the protist parasite Entamoeba histolytica. Nature, 2005, 433, 865-868.	13.7	783

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37	A Novel ADP/ATP Transporter in the Mitosome of the Microaerophilic Human Parasite Entamoeba histolytica. Current Biology, 2005, 15, 737-742.	1.8	82
38	Inference of the Phylogenetic Position of Oxymonads Based on Nine Genes: Support for Metamonada and Excavata. Molecular Biology and Evolution, 2005, 22, 2508-2518.	3.5	66
39	Comparative Genomics of Trypanosomatid Parasitic Protozoa. Science, 2005, 309, 404-409.	6.0	713
40	The Genome of the African Trypanosome Trypanosoma brucei. Science, 2005, 309, 416-422.	6.0	1,496
41	Isolation of haloarchaea that grow at low salinities. Environmental Microbiology, 2004, 6, 591-595.	1.8	107
42	Trichomonas hydrogenosomes contain the NADH dehydrogenase module of mitochondrial complex I. Nature, 2004, 432, 618-622.	13.7	247
43	Early evolution comes full circle. Nature, 2004, 431, 134-137.	13.7	51
44	The Amitochondriate Eukaryote Trichomonas vaginalis Contains a Divergent Thioredoxin-linked Peroxiredoxin Antioxidant System. Journal of Biological Chemistry, 2004, 279, 5249-5256.	1.6	69
45	Hydrogenosomes, Mitochondria and Early Eukaryotic Evolution. IUBMB Life, 2003, 55, 387-395.	1.5	151
46	Phylogenetic Analyses of Diplomonad Genes Reveal Frequent Lateral Gene Transfers Affecting Eukaryotes. Current Biology, 2003, 13, 94-104.	1.8	253
47	Biochemical and genetic evidence for a family of heterotrimeric G-proteins in Trichomonas vaginalis. Molecular and Biochemical Parasitology, 2003, 129, 179-189.	0.5	10
48	Use of 16S rRNA-targeted oligonucleotide probes to investigate function and phylogeny of sulphate-reducing bacteria and methanogenic archaea in a UK estuary. FEMS Microbiology Ecology, 2003, 44, 361-371.	1.3	48
49	Fungal Hydrogenosomes Contain Mitochondrial Heat-Shock Proteins. Molecular Biology and Evolution, 2003, 20, 1051-1061.	3.5	39
50	Mitochondria and hydrogenosomes are two forms of the same fundamental organelle. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 191-203.	1.8	138
51	Grassland Management Regimens Reduce Small-Scale Heterogeneity and Species Diversity of Î²-Proteobacterial Ammonia Oxidizer Populations. Applied and Environmental Microbiology, 2002, 68, 20-30.	1.4	187
52	An [Fe] hydrogenase from the anaerobic hydrogenosome-containing fungus Neocallimastix frontalis L2. Gene, 2002, 296, 45-52.	1.0	37
53	Iron hydrogenases â€“ ancient enzymes in modern eukaryotes. Trends in Biochemical Sciences, 2002, 27, 148-153.	3.7	135
54	The ribulose-1,5-bisphosphate carboxylase/oxygenase gene cluster of Methylococcus capsulatus (Bath). Archives of Microbiology, 2002, 177, 279-289.	1.0	63

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55	A mitochondrial remnant in the microsporidian Trachipleistophora hominis. Nature, 2002, 418, 865-869.	13.7	396
56	The distribution and activity of sulphate reducing bacteria in estuarine and coastal marine sediments. Antonie Van Leeuwenhoek, 2002, 81, 181-187.	0.7	57
57	Conserved properties of hydrogenosomal and mitochondrial ADP/ATP carriers: a common origin for both organelles. EMBO Journal, 2002, 21, 572-579.	3.5	99
58	Unique phylogenetic relationships of glucokinase and glucosephosphate isomerase of the amitochondriate eukaryotes Giardia intestinalis, Spironucleus barkhanus and Trichomonas vaginalis. Gene, 2001, 281, 123-131.	1.0	56
59	Microsporidia are related to Fungi: Evidence from the largest subunit of RNA polymerase II and other proteins. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 580-585.	3.3	489
60	Early branching eukaryotes?. Current Opinion in Genetics and Development, 1998, 8, 624-629.	1.5	269
61	Anaerobic eukaryote evolution: hydrogenosomes as biochemically modified mitochondria?. Trends in Ecology and Evolution, 1997, 12, 437-441.	4.2	93
62	MICROBIAL DIVERSITY: Domains and Kingdoms. Annual Review of Ecology, Evolution, and Systematics, 1996, 27, 569-595.	6.7	11
63	Phylogenetic Relationships among Karyorelictids and Heterotrichs Inferred from Small Subunit rRNA Sequences: Resolution at the Base of the Ciliate Tree. Molecular Phylogenetics and Evolution, 1995, 4, 77-87.	1.2	83
64	Multiple origins of anaerobic ciliates with hydrogenosomes within the radiation of aerobic ciliates. Proceedings of the Royal Society B: Biological Sciences, 1995, 262, 87-93.	1.2	156
65	Systematic and morphological diversity of endosymbiotic methanogens in anaerobic ciliates. Antonie Van Leeuwenhoek, 1994, 64, 261-271.	0.7	48
66	RNA sequence analysis shows that the symbionts in the ciliate Metopus contortus are polymorphs of a single methanogen species. FEMS Microbiology Letters, 1992, 76, 57-61.	0.7	15