

Patrick J Keeling

List of Publications by Year in descending order

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375
papers

29,155
citations

5261

83
h-index

8384

147
g-index

402
all docs

402
docs citations

402
times ranked

17244
citing authors

#	ARTICLE	IF	CITATIONS
1	Horizontal gene transfer in eukaryotic evolution. <i>Nature Reviews Genetics</i> , 2008, 9, 605-618.	7.7	1,122
2	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	2.6	885
3	Nuclear-encoded proteins target to the plastid in <i>Toxoplasma gondii</i> and <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12352-12357.	3.3	691
4	Rethinking the marine carbon cycle: Factoring in the multifarious lifestyles of microbes. <i>Science</i> , 2015, 347, 1257594.	6.0	679
5	Macronuclear Genome Sequence of the Ciliate <i>Tetrahymena thermophila</i> , a Model Eukaryote. <i>PLoS Biology</i> , 2006, 4, e286.	2.6	657
6	The endosymbiotic origin, diversification and fate of plastids. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 729-748.	1.8	565
7	The tree of eukaryotes. <i>Trends in Ecology and Evolution</i> , 2005, 20, 670-676.	4.2	549
8	CBOL Protist Working Group: Barcoding Eukaryotic Richness beyond the Animal, Plant, and Fungal Kingdoms. <i>PLoS Biology</i> , 2012, 10, e1001419.	2.6	488
9	Microsporidia: Biology and Evolution of Highly Reduced Intracellular Parasites. <i>Annual Review of Microbiology</i> , 2002, 56, 93-116.	2.9	430
10	A common red algal origin of the apicomplexan, dinoflagellate, and heterokont plastids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10949-10954.	3.3	406
11	Nuclear-Encoded, Plastid-Targeted Genes Suggest a Single Common Origin for Apicomplexan and Dinoflagellate Plastids. <i>Molecular Biology and Evolution</i> , 2001, 18, 418-426.	3.5	395
12	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , 2012, 492, 59-65.	13.7	377
13	The Number, Speed, and Impact of Plastid Endosymbioses in Eukaryotic Evolution. <i>Annual Review of Plant Biology</i> , 2013, 64, 583-607.	8.6	376
14	Diversity and evolutionary history of plastids and their hosts. <i>American Journal of Botany</i> , 2004, 91, 1481-1493.	0.8	344
15	Mitochondrial and plastid genome architecture: Reoccurring themes, but significant differences at the extremes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10177-10184.	3.3	327
16	Dinoflagellate Nuclear SSU rRNA Phylogeny Suggests Multiple Plastid Losses and Replacements. <i>Journal of Molecular Evolution</i> , 2001, 53, 204-213.	0.8	313
17	Alpha-tubulin from early-diverging eukaryotic lineages and the evolution of the tubulin family. <i>Molecular Biology and Evolution</i> , 1996, 13, 1297-1305.	3.5	299
18	Evidence from Beta-Tubulin Phylogeny that Microsporidia Evolved from Within the Fungi. <i>Molecular Biology and Evolution</i> , 2000, 17, 23-31.	3.5	299

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19	Microsporidia Evolved from Ancestral Sexual Fungi. <i>Current Biology</i> , 2008, 18, 1675-1679.	1.8	256
20	Lateral gene transfer and the evolution of plastid-targeted proteins in the secondary plastid-containing alga <i>Bigeloviella natans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7678-7683.	3.3	241
21	Untangling the early diversification of eukaryotes: a phylogenomic study of the evolutionary origins of Centrohelida, Haptophyta and Cryptista. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152802.	1.2	222
22	Microsporidia " Emergent Pathogens in the Global Food Chain. <i>Trends in Parasitology</i> , 2016, 32, 336-348.	1.5	221
23	The evolutionary history of haptophytes and cryptophytes: phylogenomic evidence for separate origins. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2246-2254.	1.2	218
24	Recycled plastids: a "green movement"™ in eukaryotic evolution. <i>Trends in Genetics</i> , 2002, 18, 577-584.	2.9	212
25	Microbial diversity associated with four functional groups of benthic reef algae and the reef-building coral <i>Montastraea annularis</i> . <i>Environmental Microbiology</i> , 2011, 13, 1192-1204.	1.8	208
26	Irremediable Complexity?. <i>Science</i> , 2010, 330, 920-921.	6.0	204
27	Molecular data and the evolutionary history of dinoflagellates. <i>European Journal of Protistology</i> , 2004, 40, 85-111.	0.5	203
28	Factors mediating plastid dependency and the origins of parasitism in apicomplexans and their close relatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10200-10207.	3.3	203
29	The complete sequence of the smallest known nuclear genome from the microsporidian <i>Encephalitozoon intestinalis</i> . <i>Nature Communications</i> , 2010, 1, 77.	5.8	198
30	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. <i>ELife</i> , 2015, 4, e06974.	2.8	198
31	Congruent evidence from α -tubulin and β -tubulin gene phylogenies for a zygomycete origin of microsporidia. <i>Fungal Genetics and Biology</i> , 2003, 38, 298-309.	0.9	195
32	Complete nucleotide sequence of the chlorarachniophyte nucleomorph: Nature's smallest nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9566-9571.	3.3	185
33	The Complete Chloroplast Genome of the Chlorarachniophyte <i>Bigeloviella natans</i> : Evidence for Independent Origins of Chlorarachniophyte and Euglenid Secondary Endosymbionts. <i>Molecular Biology and Evolution</i> , 2007, 24, 54-62.	3.5	185
34	Multiple protein phylogenies show that <i>Oxyrrhis marina</i> and <i>Perkinsus marinus</i> are early branches of the dinoflagellate lineage. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 355-365.	0.8	180
35	Nucleus-Encoded, Plastid-Targeted Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Indicates a Single Origin for Chromalveolate Plastids. <i>Molecular Biology and Evolution</i> , 2003, 20, 1730-1735.	3.5	179
36	Tracing the Evolution of the Light-Harvesting Antennae in Chlorophyll a/b-Containing Organisms. <i>Plant Physiology</i> , 2007, 143, 1802-1816.	2.3	179

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37	Diverse, uncultivated bacteria and archaea underlying the cycling of dissolved protein in the ocean. <i>ISME Journal</i> , 2016, 10, 2158-2173.	4.4	177
38	The others: our biased perspective of eukaryotic genomes. <i>Trends in Ecology and Evolution</i> , 2014, 29, 252-259.	4.2	167
39	Chromalveolates and the Evolution of Plastids by Secondary Endosymbiosis. <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 1-8.	0.8	162
40	On the monophyly of chromalveolates using a six-protein phylogeny of eukaryotes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 487-496.	0.8	161
41	How a neutral evolutionary ratchet can build cellular complexity. <i>IUBMB Life</i> , 2011, 63, 528-537.	1.5	160
42	Morphostasis in alveolate evolution. <i>Trends in Ecology and Evolution</i> , 2003, 18, 395-402.	4.2	148
43	Phylogeny of gregarines (Apicomplexa) as inferred from small-subunit rDNA and β -tubulin. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 345-354.	0.8	146
44	A Tertiary Plastid Uses Genes from Two Endosymbionts. <i>Journal of Molecular Biology</i> , 2006, 357, 1373-1382.	2.0	146
45	Complex Protein Targeting to Dinoflagellate Plastids. <i>Journal of Molecular Biology</i> , 2005, 348, 1015-1024.	2.0	143
46	Large-Scale Phylogenomic Analyses Reveal That Two Enigmatic Protist Lineages, Telonemia and Centroheliozoa, Are Related to Photosynthetic Chromalveolates. <i>Genome Biology and Evolution</i> , 2009, 1, 231-238.	1.1	143
47	Re-examining Alveolate Evolution Using Multiple Protein Molecular Phylogenies. <i>Journal of Eukaryotic Microbiology</i> , 2002, 49, 30-37.	0.8	139
48	Five Questions about Microsporidia. <i>PLoS Pathogens</i> , 2009, 5, e1000489.	2.1	137
49	Gene Replacement of Fructose-1,6-Bisphosphate Aldolase Supports the Hypothesis of a Single Photosynthetic Ancestor of Chromalveolates. <i>Eukaryotic Cell</i> , 2004, 3, 1169-1175.	3.4	132
50	Functional and ecological impacts of horizontal gene transfer in eukaryotes. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 613-619.	1.5	130
51	Evolution of Rhizaria: new insights from phylogenomic analysis of uncultivated protists. <i>BMC Evolutionary Biology</i> , 2010, 10, 377.	3.2	130
52	Comparative genomics of parasitic silkworm microsporidia reveal an association between genome expansion and host adaptation. <i>BMC Genomics</i> , 2013, 14, 186.	1.2	127
53	A bacterial proteorhodopsin proton pump in marine eukaryotes. <i>Nature Communications</i> , 2011, 2, 183.	5.8	126
54	The complete plastid genome sequence of the parasitic green alga <i>Helicosporidium</i> sp. is highly reduced and structured. <i>BMC Biology</i> , 2006, 4, 12.	1.7	122

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55	Microsporidian mitosomes retain elements of the general mitochondrial targeting system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15916-15920.	3.3	121
56	A distinct lineage of giant viruses brings a rhodopsin photosystem to unicellular marine predators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20574-20583.	3.3	120
57	Multiple Gene Phylogenies Support the Monophyly of Cryptomonad and Haptophyte Host Lineages. <i>Current Biology</i> , 2007, 17, 887-891.	1.8	119
58	Genomic Survey of the Non-Cultivable Opportunistic Human Pathogen, <i>Enterocytozoon bieneusi</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000261.	2.1	119
59	Microsporidia: a journey through radical taxonomical revisions. <i>Fungal Biology Reviews</i> , 2009, 23, 1-8.	1.9	118
60	Foraminifera and Cercozoa Are Related in Actin Phylogeny: Two Orphans Find a Home?. <i>Molecular Biology and Evolution</i> , 2001, 18, 1551-1557.	3.5	117
61	Evidence that eukaryotic triosephosphate isomerase is of alpha-proteobacterial origin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 1270-1275.	3.3	116
62	Origins of microsporidia. <i>Trends in Microbiology</i> , 1998, 6, 19-23.	3.5	115
63	Evidence That Plant-Like Genes in <i>Chlamydia</i> Species Reflect an Ancestral Relationship between <i>Chlamydiaceae</i> , <i>Cyanobacteria</i> , and the Chloroplast. <i>Genome Research</i> , 2002, 12, 1159-1167.	2.4	114
64	Environmental Barcoding Reveals Massive Dinoflagellate Diversity in Marine Environments. <i>PLoS ONE</i> , 2010, 5, e13991.	1.1	112
65	Evolution of Red Algal Plastid Genomes: Ancient Architectures, Introns, Horizontal Gene Transfer, and Taxonomic Utility of Plastid Markers. <i>PLoS ONE</i> , 2013, 8, e59001.	1.1	112
66	The Reduced Genome of the Parasitic Microsporidian <i>Enterocytozoon bieneusi</i> Lacks Genes for Core Carbon Metabolism. <i>Genome Biology and Evolution</i> , 2010, 2, 304-309.	1.1	110
67	A New Lineage of Eukaryotes Illuminates Early Mitochondrial Genome Reduction. <i>Current Biology</i> , 2017, 27, 3717-3724.e5.	1.8	109
68	Molecular Phylogeny and Description of the Novel Katablepharid <i>Roombia truncata</i> gen. et sp. nov., and Establishment of the <i>Hacrobia</i> Taxon nov. <i>PLoS ONE</i> , 2009, 4, e7080.	1.1	108
69	Marine Protists Are Not Just Big Bacteria. <i>Current Biology</i> , 2017, 27, R541-R549.	1.8	108
70	Non-photosynthetic predators are sister to red algae. <i>Nature</i> , 2019, 572, 240-243.	13.7	107
71	Genome Compaction and Stability in Microsporidian Intracellular Parasites. <i>Current Biology</i> , 2004, 14, 891-896.	1.8	104
72	A widespread coral-infecting apicomplexan with chlorophyll biosynthesis genes. <i>Nature</i> , 2019, 568, 103-107.	13.7	102

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73	EukRef: Phylogenetic curation of ribosomal RNA to enhance understanding of eukaryotic diversity and distribution. <i>PLoS Biology</i> , 2018, 16, e2005849.	2.6	101
74	Archaea: narrowing the gap between prokaryotes and eukaryotes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 5761-5764.	3.3	98
75	The Highly Reduced and Fragmented Mitochondrial Genome of the Early-branching Dinoflagellate <i>Oxyrrhis marina</i> Shares Characteristics with both Apicomplexan and Dinoflagellate Mitochondrial Genomes. <i>Journal of Molecular Biology</i> , 2007, 372, 356-368.	2.0	98
76	Progress towards the Tree of Eukaryotes. <i>Current Biology</i> , 2019, 29, R808-R817.	1.8	98
77	EARLY EVOLUTIONARY HISTORY OF DINOFLAGELLATES AND APICOMPLEXANS (ALVEOLATA) AS INFERRED FROM HSP90 AND ACTIN PHYLOGENIES ¹ . <i>Journal of Phycology</i> , 2004, 40, 341-350.	1.0	97
78	Gain and loss of multiple functionally related, horizontally transferred genes in the reduced genomes of two microsporidian parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12638-12643.	3.3	97
79	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. <i>Nature Methods</i> , 2020, 17, 481-494.	9.0	97
80	A class of eukaryotic GTPase with a punctate distribution suggesting multiple functional replacements of translation elongation factor 1 β . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15380-15385.	3.3	96
81	COMMON EVOLUTIONARY ORIGIN OF STARCH BIOSYNTHETIC ENZYMES IN GREEN AND RED ALGAE ¹ . <i>Journal of Phycology</i> , 2005, 41, 1131-1141.	1.0	96
82	Global analysis of plastid diversity reveals apicomplexan-related lineages in coral reefs. <i>Current Biology</i> , 2012, 22, R518-R519.	1.8	95
83	Rhizaria. <i>Current Biology</i> , 2014, 24, R103-R107.	1.8	95
84	Parabasal flagellates are ancient eukaryotes. <i>Nature</i> , 2000, 405, 635-637.	13.7	93
85	Morphology and Ultrastructure of Multiple Life Cycle Stages of the Photosynthetic Relative of Apicomplexa, <i>Chromera velia</i> . <i>Protist</i> , 2011, 162, 115-130.	0.6	93
86	Evaluating the Ribosomal Internal Transcribed Spacer (ITS) as a Candidate Dinoflagellate Barcode Marker. <i>PLoS ONE</i> , 2012, 7, e42780.	1.1	92
87	Shikimate pathway in apicomplexan parasites. <i>Nature</i> , 1999, 397, 219-220.	13.7	91
88	A high frequency of overlapping gene expression in compacted eukaryotic genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10936-10941.	3.3	90
89	The Complete Plastid Genomes of the Two <i>Dinotoms</i> TM <i>Durinskia baltica</i> and <i>Kryptoperidinium foliaceum</i> . <i>PLoS ONE</i> , 2010, 5, e10711.	1.1	89
90	Lateral Gene Transfer and Metabolic Adaptation in the Human Parasite <i>Trichomonas vaginalis</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 1769-1773.	3.5	88

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91	The Phylogeny of Colpodellids (Alveolata) Using Small Subunit rRNA Gene Sequences Suggests They are the Free-living Sister Group to Apicomplexans. <i>Journal of Eukaryotic Microbiology</i> , 2002, 49, 498-504.	0.8	87
92	A Novel Polyubiquitin Structure in Cercozoa and Foraminifera: Evidence for a New Eukaryotic Supergroup. <i>Molecular Biology and Evolution</i> , 2003, 20, 62-66.	3.5	87
93	The Role of Host Phylogeny Varies in Shaping Microbial Diversity in the Hindguts of Lower Termites. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1059-1070.	1.4	87
94	Novel Predators Reshape Holozoan Phylogeny and Reveal the Presence of a Two-Component Signaling System in the Ancestor of Animals. <i>Current Biology</i> , 2017, 27, 2043-2050.e6.	1.8	87
95	Systematic evaluation of horizontal gene transfer between eukaryotes and viruses. <i>Nature Microbiology</i> , 2022, 7, 327-336.	5.9	87
96	Plastid-Derived Genes in the Nonphotosynthetic Alveolate <i>Oxyrrhis marina</i> . <i>Molecular Biology and Evolution</i> , 2008, 25, 1297-1306.	3.5	85
97	Multiple Independent Origins of Apicomplexan-Like Parasites. <i>Current Biology</i> , 2019, 29, 2936-2941.e5.	1.8	84
98	Cascades of convergent evolution: The corresponding evolutionary histories of euglenozoans and dinoflagellates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9963-9970.	3.3	83
99	Morphological Identification and Single-Cell Genomics of Marine Diplonemids. <i>Current Biology</i> , 2016, 26, 3053-3059.	1.8	83
100	Endosymbiosis: The feeling is not mutual. <i>Journal of Theoretical Biology</i> , 2017, 434, 75-79.	0.8	83
101	Collodictyon—An Ancient Lineage in the Tree of Eukaryotes. <i>Molecular Biology and Evolution</i> , 2012, 29, 1557-1568.	3.5	82
102	Nucleus-to-Nucleus Gene Transfer and Protein Retargeting into a Remnant Cytoplasm of Cryptophytes and Diatoms. <i>Molecular Biology and Evolution</i> , 2006, 23, 2413-2422.	3.5	80
103	Divergent Mitochondrial Respiratory Chains in Phototrophic Relatives of Apicomplexan Parasites. <i>Molecular Biology and Evolution</i> , 2015, 32, 1115-1131.	3.5	79
104	Lateral transfer at the gene and subgenomic levels in the evolution of eukaryotic enolase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10745-10750.	3.3	78
105	Lateral Gene Transfer of a Multigene Region from Cyanobacteria to Dinoflagellates Resulting in a Novel Plastid-Targeted Fusion Protein. <i>Molecular Biology and Evolution</i> , 2006, 23, 1437-1443.	3.5	78
106	Evolution of the sex-Related Locus and Genomic Features Shared in Microsporidia and Fungi. <i>PLoS ONE</i> , 2010, 5, e10539.	1.1	77
107	Causes and effects of nuclear genome reduction. <i>Current Opinion in Genetics and Development</i> , 2005, 15, 601-608.	1.5	76
108	An aerobic eukaryotic parasite with functional mitochondria that likely lacks a mitochondrial genome. <i>Science Advances</i> , 2019, 5, eaav1110.	4.7	76

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109	The Function and Evolution of Motile DNA Replication Systems in Ciliates. <i>Current Biology</i> , 2021, 31, 66-76.e6.	1.8	76
110	Eye-like ocelloids are built from different endosymbiotically acquired components. <i>Nature</i> , 2015, 523, 204-207.	13.7	74
111	Bacterial and archaeal symbioses with protists. <i>Current Biology</i> , 2021, 31, R862-R877.	1.8	74
112	Symbionts of the ciliate <i>Euplotes</i> : diversity, patterns and potential as models for bacteria-eukaryote endosymbioses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190693.	1.2	73
113	The "other" coral symbiont: <i>Ostreobium</i> diversity and distribution. <i>ISME Journal</i> , 2017, 11, 296-299.	4.4	72
114	Phylogenomics of the Intracellular Parasite <i>Mikrocytos mackini</i> Reveals Evidence for a Mitosome in Rhizaria. <i>Current Biology</i> , 2013, 23, 1541-1547.	1.8	71
115	A non-canonical genetic code in an early diverging eukaryotic lineage.. <i>EMBO Journal</i> , 1996, 15, 2285-2290.	3.5	70
116	Tetrapyrrole Synthesis of Photosynthetic Chromerids Is Likely Homologous to the Unusual Pathway of Apicomplexan Parasites. <i>Plant Cell</i> , 2011, 23, 3454-3462.	3.1	70
117	Single-cell transcriptomics for microbial eukaryotes. <i>Current Biology</i> , 2014, 24, R1081-R1082.	1.8	70
118	Pyruvate-Phosphate Dikinase of Oxymonads and Parabasalia and the Evolution of Pyrophosphate-Dependent Glycolysis in Anaerobic Eukaryotes. <i>Eukaryotic Cell</i> , 2006, 5, 148-154.	3.4	69
119	Broad genomic and transcriptional analysis reveals a highly derived genome in dinoflagellate mitochondria. <i>BMC Biology</i> , 2007, 5, 41.	1.7	69
120	Widespread recycling of processed cDNAs in dinoflagellates. <i>Current Biology</i> , 2008, 18, R550-R552.	1.8	69
121	Comment on "A Green Algal Apicoplast Ancestor". <i>Science</i> , 2003, 301, 49a-49.	6.0	68
122	Cryptic Organelles in Parasitic Protists and Fungi. <i>Advances in Parasitology</i> , 2003, 54, 9-68.	1.4	67
123	MOLECULAR PHYLOGENY AND SURFACE MORPHOLOGY OF MARINE ASEPTATE GREGARINES (APICOMPLEXA): SELENIDIUM SPP. AND LECUDINA SPP. <i>Journal of Parasitology</i> , 2003, 89, 1191-1205.	0.3	67
124	Lateral Transfer and Recompartmentalization of Calvin Cycle Enzymes of Plants and Algae. <i>Journal of Molecular Evolution</i> , 2004, 58, 367-375.	0.8	67
125	Draft genome sequence of the <i>Daphnia</i> pathogen <i>Octospora bayeri</i> : insights into the gene content of a large microsporidian genome and a model for host-parasite interactions. <i>Genome Biology</i> , 2009, 10, R106.	13.9	67
126	Molecular Phylogeny and Surface Morphology of <i>Colpodella edax</i> (Alveolata): Insights into the Phagotrophic Ancestry of Apicomplexans. <i>Journal of Eukaryotic Microbiology</i> , 2003, 50, 334-340.	0.8	65

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127	Global distribution of a wild alga revealed by targeted metagenomics. <i>Current Biology</i> , 2012, 22, R675-R677.	1.8	65
128	Sympatric kelp species share a large portion of their surface bacterial communities. <i>Environmental Microbiology</i> , 2018, 20, 658-670.	1.8	65
129	Widespread and ancient distribution of a noncanonical genetic code in diplomonads. <i>Molecular Biology and Evolution</i> , 1997, 14, 895-901.	3.5	64
130	Re-evaluating the Green versus Red Signal in Eukaryotes with Secondary Plastid of Red Algal Origin. <i>Genome Biology and Evolution</i> , 2012, 4, 626-635.	1.1	64
131	Complete Nucleotide Sequence of the <i>Sulfolobus islandicus</i> Multicopy Plasmid pRN1. <i>Plasmid</i> , 1996, 35, 141-144.	0.4	63
132	Characterisation of a Non-canonical Genetic Code in the Oxymonad <i>Streblomastix strix</i> . <i>Journal of Molecular Biology</i> , 2003, 326, 1337-1349.	2.0	63
133	The search for the missing link: A relic plastid in <i>Perkinsus</i> ?. <i>International Journal for Parasitology</i> , 2011, 41, 1217-1229.	1.3	63
134	Actin and Ubiquitin Protein Sequences Support a Cercozoan/Foraminiferan Ancestry for the Plasmodiophorid Plant Pathogens. <i>Journal of Eukaryotic Microbiology</i> , 2004, 51, 113-118.	0.8	62
135	Parallel genome reduction in symbionts descended from closely related free-living bacteria. <i>Nature Ecology and Evolution</i> , 2017, 1, 1160-1167.	3.4	62
136	Phylogenetic Diversity of Parabasalian Symbionts from Termites, Including the Phylogenetic Position of <i>Pseudotrypanosoma</i> and <i>Trichonympha</i> . <i>Journal of Eukaryotic Microbiology</i> , 1998, 45, 643-650.	0.8	61
137	Molecular phylogenetic position of <i>Trichomitopsis termopsidis</i> (Parabasalia) and evidence for the Trichomitopsiinae. <i>European Journal of Protistology</i> , 2002, 38, 279-286.	0.5	61
138	Bacterial Catalase in the Microsporidian <i>Nosema locustae</i> : Implications for Microsporidian Metabolism and Genome Evolution. <i>Eukaryotic Cell</i> , 2003, 2, 1069-1075.	3.4	61
139	Simplicity and Complexity of Microsporidian Genomes. <i>Eukaryotic Cell</i> , 2004, 3, 1363-1369.	3.4	60
140	Organelle Evolution: What's in a Name?. <i>Current Biology</i> , 2008, 18, R345-R347.	1.8	60
141	A kingdom's progress: Archezoa and the origin of eukaryotes. <i>BioEssays</i> , 1998, 20, 87-95.	1.2	59
142	Split Photosystem Protein, Linear-Mapping Topology, and Growth of Structural Complexity in the Plastid Genome of <i>Chromera velia</i> . <i>Molecular Biology and Evolution</i> , 2013, 30, 2447-2462.	3.5	59
143	<i>Chromulinavorax destructans</i> , a pathogen of microzooplankton that provides a window into the enigmatic candidate phylum <i>Dependentiae</i> . <i>PLoS Pathogens</i> , 2019, 15, e1007801.	2.1	59
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