Fabien Burki

List of Publications by Year
in descending order

61 papers	8,672 citations	81900 39 h-index	123424 61 g-index
71 all docs	71 docs citations	71 times ranked	8116 citing authors

#	Article	IF	Citations
1	On the origin of TSAR: morphology, diversity and phylogeny of Telonemia. Open Biology, 2022, 12, 210325.	3.6	7
2	Photophysiological response of Symbiodiniaceae single cells to temperature stress. ISME Journal, 2022, 16, 2060-2064.	9.8	3
3	A molecular timescale for eukaryote evolution with implications for the origin of red algal-derived plastids. Nature Communications, 2021, 12, 1879.	12.8	124
4	Phylogenomic Insights into the Origin of Primary Plastids. Systematic Biology, 2021, 71, 105-120.	5.6	22
5	The longâ€time orphan protist <i>Meringosphaera</i><i>mediterranea</i> Lohmann, 1902 [1903] is a centrohelid heliozoan. Journal of Eukaryotic Microbiology, 2021, 68, e12860.	1.7	4
6	PhyloFisher: A phylogenomic package for resolving eukaryotic relationships. PLoS Biology, 2021, 19, e3001365.	5.6	51
7	Diversity and ecology of protists revealed by metabarcoding. Current Biology, 2021, 31, R1267-R1280.	3.9	61
8	Automated Removal of Non-homologous Sequence Stretches with PREQUAL. Methods in Molecular Biology, 2021, 2231, 147-162.	0.9	0
9	Single cell genomics reveals plastid-lacking Picozoa are close relatives of red algae. Nature Communications, 2021, 12, 6651.	12.8	40
10	The New Tree of Eukaryotes. Trends in Ecology and Evolution, 2020, 35, 43-55.	8.7	537
11	Longâ€read metabarcoding of the eukaryotic rDNA operon to phylogenetically and taxonomically resolve environmental diversity. Molecular Ecology Resources, 2020, 20, 429-443.	4.8	68
12	Perspectives from Ten Years of Protist Studies by Highâ€Throughput Metabarcoding. Journal of Eukaryotic Microbiology, 2020, 67, 612-622.	1.7	72
13	Predatory colponemids are the sister group to all other alveolates. Molecular Phylogenetics and Evolution, 2020, 149, 106839.	2.7	16
14	Progress towards the Tree of Eukaryotes. Current Biology, 2019, 29, R808-R817.	3.9	98
15	New Phylogenomic Analysis of the Enigmatic Phylum Telonemia Further Resolves the Eukaryote Tree of Life. Molecular Biology and Evolution, 2019, 36, 757-765.	8.9	93
16	Ascetosporea. Current Biology, 2019, 29, R7-R8.	3.9	19
17	Phylogenomics supports the monophyly of the Cercozoa. Molecular Phylogenetics and Evolution, 2019, 130, 416-423.	2.7	16
18	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. Journal of Eukaryotic Microbiology, 2019, 66, 4-119.	1.7	904

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19	Single cell genomics of uncultured marine alveolates shows paraphyly of basal dinoflagellates. ISME Journal, 2018, 12, 304-308.	9.8	40
20	PREQUAL: detecting non-homologous characters in sets of unaligned homologous sequences. Bioinformatics, 2018, 34, 3929-3930.	4.1	96
21	Major transitions in dinoflagellate evolution unveiled by phylotranscriptomics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E171-E180.	7.1	201
22	The Convoluted Evolution of Eukaryotes With Complex Plastids. Advances in Botanical Research, 2017, 84, 1-30.	1.1	20
23	A New Lineage of Eukaryotes Illuminates Early Mitochondrial Genome Reduction. Current Biology, 2017, 27, 3717-3724.e5.	3.9	109
24	Mitochondrial Evolution: Going, Going, Gone. Current Biology, 2016, 26, R410-R412.	3.9	17
25	Functional Relationship between a Dinoflagellate Host and Its Diatom Endosymbiont. Molecular Biology and Evolution, 2016, 33, 2376-2390.	8.9	43
26	Untangling the early diversification of eukaryotes: a phylogenomic study of the evolutionary origins of Centrohelida, Haptophyta and Cryptista. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152802.	2.6	222
27	Evolutionary Origins of Rhizarian Parasites. Molecular Biology and Evolution, 2016, 33, 980-983.	8.9	47
28	Factors mediating plastid dependency and the origins of parasitism in apicomplexans and their close relatives. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10200-10207.	7.1	203
29	Evidence for the Retention of Two Evolutionary Distinct Plastids in Dinoflagellates with Diatom Endosymbionts. Genome Biology and Evolution, 2014, 6, 2321-2334.	2.5	47
30	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. PLoS Biology, 2014, 12, e1001889.	5.6	885
31	Rhizaria. Current Biology, 2014, 24, R103-R107.	3.9	95
32	Endosymbiotic Gene Transfer in Tertiary Plastid-Containing Dinoflagellates. Eukaryotic Cell, 2014, 13, 246-255.	3.4	52
33	Single-cell transcriptomics for microbial eukaryotes. Current Biology, 2014, 24, R1081-R1082.	3.9	70
34	The Eukaryotic Tree of Life from a Global Phylogenomic Perspective. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016147-a016147.	5.5	272
35	Phylogenomics of the Intracellular Parasite Mikrocytos mackini Reveals Evidence for a Mitosome in Rhizaria. Current Biology, 2013, 23, 1541-1547.	3.9	71
36	Molecular Characterization of Parabasalian Symbionts <i><scp>C</scp>oronympha clevelandii</i> and <i><scp>T</scp>richonympha subquasilla</i> from the <scp>H</scp>awaiian Lowland Tree Termite <i><scp>I</scp>ncisitermes immigrans</i>. Journal of Eukaryotic Microbiology, 2013, 60, 313-316.	1.7	7

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37	Cthulhu Macrofasciculumque n. g., n. sp. and Cthylla Microfasciculumque n. g., n. sp., a Newly Identified Lineage of Parabasalian Termite Symbionts. PLoS ONE, 2013, 8, e58509.	2.5	30
38	Intragenomic Spread of Plastid-Targeting Presequences in the Coccolithophore Emiliania huxleyi. Molecular Biology and Evolution, 2012, 29, 2109-2112.	8.9	4
39	Re-evaluating the Green versus Red Signal in Eukaryotes with Secondary Plastid of Red Algal Origin. Genome Biology and Evolution, 2012, 4, 626-635.	2.5	64
40	Dual targeting of aminoacyl-tRNA synthetases to the mitochondrion and complex plastid in chlorarachniophytes. Journal of Cell Science, 2012, 125, 6176-6184.	2.0	17
41	Genome-Based Reconstruction of the Protein Import Machinery in the Secondary Plastid of a Chlorarachniophyte Alga. Eukaryotic Cell, 2012, 11, 324-333.	3.4	33
42	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	27.8	377
43	The Revised Classification of Eukaryotes. Journal of Eukaryotic Microbiology, 2012, 59, 429-514.	1.7	1,340
44	Identifying and Characterizing Alternative Molecular Markers for the Symbiotic and Free-Living Dinoflagellate Genus Symbiodinium. PLoS ONE, 2012, 7, e29816.	2.5	84
45	Tertiary Endosymbiosis in Two Dinotoms Has Generated Little Change in the Mitochondrial Genomes of Their Dinoflagellate Hosts and Diatom Endosymbionts. PLoS ONE, 2012, 7, e43763.	2.5	47
46	Collodictyon--An Ancient Lineage in the Tree of Eukaryotes. Molecular Biology and Evolution, 2012, 29, 1557-1568.	8.9	82
47	Gain and loss of multiple functionally related, horizontally transferred genes in the reduced genomes of two microsporidian parasites. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12638-12643.	7.1	97
48	The evolutionary history of haptophytes and cryptophytes: phylogenomic evidence for separate origins. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2246-2254.	2.6	218
49	Nucleusâ€•and nucleomorphâ€targeted histone proteins in a chlorarachniophyte alga. Molecular Microbiology, 2011, 80, 1439-1449.	2.5	25
50	The GC-Rich Mitochondrial and Plastid Genomes of the Green Alga Coccomyxa Give Insight into the Evolution of Organelle DNA Nucleotide Landscape. PLoS ONE, 2011, 6, e23624.	2.5	53
51	Evolution of Rhizaria: new insights from phylogenomic analysis of uncultivated protists. BMC Evolutionary Biology, 2010, 10, 377.	3.2	130
52	Large-Scale Phylogenomic Analyses Reveal That Two Enigmatic Protist Lineages, Telonemia and Centroheliozoa, Are Related to Photosynthetic Chromalveolates. Genome Biology and Evolution, 2009, 1, 231-238.	2.5	143
53	AIR: A batch-oriented web program package for construction of supermatrices ready for phylogenomic analyses. BMC Bioinformatics, 2009, 10, 357.	2.6	194
54	Untangling the Phylogeny of Amoeboid Protists¹. Journal of Eukaryotic Microbiology, 2009, 56, 16-25.	1.7	115

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55	Evolutionary position of breviate amoebae and the primary eukaryote divergence. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 597-604.	2.6	79
56	Phylogenomics reveals a new â€˜megagroupâ€™ including most photosynthetic eukaryotes. Biology Letters, 2008, 4, 366-369.	2.3	227
57	Phylogenomics Reshuffles the Eukaryotic Supergroups. PLoS ONE, 2007, 2, e790.	2.5	352
58	Analysis of expressed sequence tags from a naked foraminiferan Reticulomyxa filosa. Genome, 2006, 49, 882-887.	2.0	12
59	Monophyly of Rhizaria and Multigene Phylogeny of Unicellular Bikonts. Molecular Biology and Evolution, 2006, 23, 1922-1930.	8.9	42
60	Birth and adaptive evolution of a hominoid gene that supports high neurotransmitter flux. Nature Genetics, 2004, 36, 1061-1063.	21.4	179
61	Phylogenetic Position of Dujardin inferred from Nuclear-Encoded Small Subunit Ribosomal DNA. Protist, 2002, 153, 251-260.	1.5	39