Daniel J.G. Lahr

List of Publications by Year
in descending order

64 papers	3,605 citations	236925 25 h-index	144013 57 g-index
68 all docs	68 docs citations	68 times ranked	4306 citing authors

#	Article	IF	Citations
1	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. Journal of Eukaryotic Microbiology, 2019, 66, 4-119.	1.7	904
2	Estimating the timing of early eukaryotic diversification with multigene molecular clocks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13624-13629.	7.1	747
3	Reducing the impact of PCR-mediated recombination in molecular evolution and environmental studies using a new-generation high-fidelity DNA polymerase. BioTechniques, 2009, 47, 857-866.	1.8	163
4	Between a Pod and a Hard Test: The Deep Evolution of Amoebae. Molecular Biology and Evolution, 2017, 34, 2258-2270.	8.9	161
5	Soil protistology rebooted: 30 fundamental questions to start with. Soil Biology and Biochemistry, 2017, 111, 94-103.	8.8	130
6	The Dynamic Nature of Eukaryotic Genomes. Molecular Biology and Evolution, 2008, 25, 787-794.	8.9	127
7	The chastity of amoebae: re-evaluating evidence for sex in amoeboid organisms. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2081-2090.	2.6	122
8	Comprehensive Phylogenetic Reconstruction of Amoebozoa Based on Concatenated Analyses of SSU-rDNA and Actin Genes. PLoS ONE, 2011, 6, e22780.	2.5	77
9	Current and future perspectives on the systematics, taxonomy and nomenclature of testate amoebae. European Journal of Protistology, 2016, 55, 105-117.	1.5	75
10	Agglutinated tests in post-Sturtian cap carbonates of Namibia and Mongolia. Earth and Planetary Science Letters, 2011, 308, 29-40.	4.4	73
11	Possible early foraminiferans in post-Sturtian (716â˜635 Ma) cap carbonates. Geology, 2012, 40, 67-70.	4.4	66
12	Expansion of the molecular and morphological diversity of Acanthamoebidae (Centramoebida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	4.6	58
13	Multicellularity arose several times in the evolution of eukaryotes (Response to DOI) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262	2.5	57
14	Genome skimming is a low-cost and robust strategy to assemble complete mitochondrial genomes from ethanol preserved specimens in biodiversity studies. PeerJ, 2019, 7, e7543.	2.0	52
15	Putative Cryogenian ciliates from Mongolia. Geology, 2011, 39, 1123-1126.	4.4	49
16	Phylogenomics and Morphological Reconstruction of Arcellinida Testate Amoebae Highlight Diversity of Microbial Eukaryotes in the Neoproterozoic. Current Biology, 2019, 29, 991-1001.e3.	3.9	49
17	Multigene Phylogenetic Reconstruction of the Tubulinea (Amoebozoa) Corroborates Four of the Six Major Lineages, while Additionally Revealing that Shell Composition Does not Predict Phylogeny in the Arcellinida. Protist, 2013, 164, 323-339.	1.5	45
18	Testate Amoeba Functional Traits and Their Use in Paleoecology. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	40

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19	Phylogenetic reconstruction based on <i><scp>COI</scp></i> reshuffles the taxonomy of hyalosphenid shelled (testate) amoebae and reveals the convoluted evolution of shell plate shapes. Cladistics, 2016, 32, 606-623.	3.3	39
20	PRESERVATIONAL AND MORPHOLOGICAL VARIABILITY OF ASSEMBLAGES OF AGGLUTINATED EUKARYOTES IN CRYOGENIAN CAP CARBONATES OF NORTHERN NAMIBIA. Palaios, 2013, 28, 67-79.	1.3	36
21	How discordant morphological and molecular evolution among microorganisms can revise our notions of biodiversity on Earth. BioEssays, 2014, 36, 950-959.	2.5	36
22	Carbonaceous and siliceous Neoproterozoic vase-shaped microfossils (Urucum Formation, Brazil) and the question of early protistan biomineralization. Journal of Paleontology, 2017, 91, 393-406.	0.8	35
23	Cryptic Diversity within Morphospecies of Testate Amoebae (Amoebozoa: Arcellinida) in New England Bogs and Fens. Protist, 2014, 165, 196-207.	1.5	32
24	Towards an applied metaecology. Perspectives in Ecology and Conservation, 2019, 17, 172-181.	1.9	30
25	All Eukaryotes Are Sexual, unless Proven Otherwise. BioEssays, 2019, 41, e1800246.	2.5	29
26	The Phanerozoic diversification of silica-cycling testate amoebae and its possible links to changes in terrestrial ecosystems. PeerJ, 2015, 3, e1234.	2.0	29
27	Comparative Genomics Supports Sex and Meiosis in Diverse Amoebozoa. Genome Biology and Evolution, 2018, 10, 3118-3128.	2.5	25
28	Evolution of the Actin Gene Family in Testate Lobose Amoebae (Arcellinida) is Characterized by Two Distinct Clades of Paralogs and Recent Independent Expansions. Molecular Biology and Evolution, 2011, 28, 223-236.	8.9	21
29	Time to regulate microbial eukaryote nomenclature. Biological Journal of the Linnean Society, 2012, 107, 469-476.	1.6	21
30	Uncovering Cryptic Diversity in Two Amoebozoan Species Using Complete Mitochondrial Genome Sequences. Journal of Eukaryotic Microbiology, 2016, 63, 112-122.	1.7	20
31	Biologically agglutinated eukaryotic microfossil from Cryogenian cap carbonates. Geobiology, 2017, 15, 499-515.	2.4	20
32	Insights into vase-shaped microfossil diversity and Neoproterozoic biostratigraphy in light of recent Brazilian discoveries. Journal of Paleontology, 2019, 93, 612-627.	0.8	17
33	A contribution to the phylogeny of agglutinating Arcellinida (Amoebozoa) based on SSU rRNA gene sequences. European Journal of Protistology, 2017, 59, 99-107.	1.5	16
34	Gene discovery from a pilot study of the transcriptomes from three diverse microbial eukaryotes: Corallomyxa tenera, Chilodonella uncinata, and Subulatomonas tetraspora. Protist Genomics, 2012, 1, .	1.7	15
35	Reinvestigation of <i>Phryganella paradoxa</i> (Arcellinida, Amoebozoa) Penard 1902. Journal of Eukaryotic Microbiology, 2019, 66, 232-243.	1.7	12
36	Deconstructing Difflugia: The tangled evolution of lobose testate amoebae shells (Amoebozoa:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Phylogenetics and Evolution, 2022, 175, 107557.	2.7	12

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37	NAD9/NAD7 (mitochondrial nicotinamide adenine dinucleotide dehydrogenase gene)â€"A new â€œHoly Grailâ€• phylogenetic and DNA-barcoding marker for Arcellinida (Amoebozoa)?. European Journal of Protistology, 2017, 58, 175-186.	1.5	11
38	Taxonomic Identity in Microbial Eukaryotes: A Practical Approach Using the Testate Amoeba <i>Centropyxis</i> to Resolve Conflicts Between Old and New Taxonomic Descriptions. Journal of Eukaryotic Microbiology, 2008, 55, 409-416.	1.7	10
39	Evolution of bacterial recombinase A (recA) in eukaryotes explained by addition of genomic data of key microbial lineages. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161453.	2.6	10
40	Morphometric and genetic analysis of Arcella intermedia and Arcella intermedia laevis (Amoebozoa,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Protistology, 2017, 58, 187-194.	1.5	10
41	Topological assessment of metabolic networks reveals evolutionary information. Scientific Reports, 2018, 8, 15918.	3.3	10
42	<i>Sapocribrum chincoteaguense</i> n. gen. n. sp.: A Small, Scaleâ€bearing Amoebozoan with Flabellinid Affinities. Journal of Eukaryotic Microbiology, 2015, 62, 444-453.	1.7	9
43	Phylogenetic divergence within the Arcellinida (Amoebozoa) is congruent with test size and metabolism type. European Journal of Protistology, 2020, 72, 125645.	1.5	9
44	Molecular investigation of Phryganella acropodia Hertwig et Lesser, 1874 (Arcellinida, Amoebozoa). European Journal of Protistology, 2020, 75, 125707.	1.5	9
45	Occurrence of the lobose testate amoeba Pseudonebela africana (Amoebozoa, Arcellinida) in the Brazilian â€œcerradoâ€• European Journal of Protistology, 2011, 47, 231-234.	1.5	8
46	Quadrulella texcalense sp. nov. from a Mexican desert: An unexpected new environment for hyalospheniid testate amoebae. European Journal of Protistology, 2017, 61, 253-264.	1.5	8
47	PYRITIZED CRYOGENIAN CYANOBACTERIAL FOSSILS FROM ARCTIC ALASKA. Palaios, 2017, 32, 769-778.	1.3	7
48	Doushantuo-Pertatatakaâ€"Like Acritarchs From the Late Ediacaran Bocaina Formation (CorumbÃ¡) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	7
49	Discomorphella pedroeneasi sp. nov. (Ciliophora, Odontostomatida): An anaerobic ciliate hosting multiple cytoplasmic and macronuclear endocytobionts. European Journal of Protistology, 2017, 58, 103-134.	1.5	6
50	The Sexual Ancestor of all Eukaryotes: A Defense of the â€œMeiosis Toolkitâ€• BioEssays, 2020, 42, e2000037.	2.5	6
51	The integrin-mediated adhesive complex in the ancestor of animals, fungi, and amoebae. Current Biology, 2021, 31, 3073-3085.e3.	3.9	6
52	Are microbes fundamentally different than macroorganisms? Convergence and a possible case for neutral phenotypic evolution in testate amoeba (Amoebozoa: Arcellinida). Royal Society Open Science, 2015, 2, 150414.	2.4	5
53	An emerging paradigm for the origin and evolution of shelled amoebae, integrating advances from molecular phylogenetics, morphology and paleontology. Memorias Do Instituto Oswaldo Cruz, 2021, 116, e200620.	1.6	5
54	Population and molecular responses to warming in Netzelia tuberspinifera â€" An endemic and sensitive protist from East Asia. Science of the Total Environment, 2022, 806, 150897.	8.0	5

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55	Diverse vase-shaped microfossils within a Cryogenian glacial setting in the Urucum Formation (Brazil). Precambrian Research, 2021, 367, 106470.	2.7	5
56	A comparative study indicates vertical inheritance and horizontal gene transfer of arsenic resistance-related genes in eukaryotes. Molecular Phylogenetics and Evolution, 2022, 173, 107479.	2.7	4
57	Phylogenetic reconstruction and evolution of the Rab GTPase gene family in Amoebozoa. Small GTPases, 2022, 13, 100-113.	1.6	3
58	Exploring the protist microbiome: The diversity of bacterial communities associated with Arcella spp. (Tubulina: Amoebozoa). European Journal of Protistology, 2022, 82, 125861.	1.5	3
59	De novo Sequencing, Assembly, and Annotation of the Transcriptome for the Freeâ€Living Testate Amoeba <i>Arcella intermedia</i>. Journal of Eukaryotic Microbiology, 2020, 67, 383-392.	1.7	2
60	Complex Evolution of the Mismatch Repair System in Eukaryotes is Illuminated by Novel Archaeal Genomes. Journal of Molecular Evolution, 2021, 89, 12-18.	1.8	2
61	Comparative Characterization of Mitogenomes From Five Orders of Cestodes (Eucestoda: Tapeworms). Frontiers in Genetics, 2021, 12, 788871.	2.3	2
62	Growth Rate Modulation Enables Coexistence in a Competitive Exclusion Scenario Between Microbial Eukaryotes. Acta Protozoologica, 2019, 58, 217-233.	0.5	1
63	The epistemic and pedagogical dimensions of evolutionary thinking in educational resources for zoology designed for preservice teacher education. Journal of Biological Education, 0, , 1-14.	1.5	0
64	Current knowledge and research perspectives of the shell formation process in the genus Arcella (Arcellinida: Amoebozoa). Protistology, 2020, 14, .	0.2	0