Daniel J.G. Lahr

List of Publications by Year
in descending order

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64	3,605	236925	144013
papers	citations	25 h-index	57 g-index

68	68	68	4306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phylogenetic reconstruction and evolution of the Rab GTPase gene family in Amoebozoa. Small GTPases, 2022, 13, 100-113.	1.6	3
2	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
3	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
4	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
5	Deconstructing Difflugia: The tangled evolution of lobose testate amoebae shells (Amoebozoa:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Phylogenetics and Evolution, 2022, 175, 107557.	2.7	12
6	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
7	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
8	The integrin-mediated adhesive complex in the ancestor of animals, fungi, and amoebae. Current Biology, 2021, 31, 3073-3085.e3.	3.9	6
9	Diverse vase-shaped microfossils within a Cryogenian glacial setting in the Urucum Formation (Brazil). Precambrian Research, 2021, 367, 106470.	2.7	5
10	Doushantuo-Pertatatakaâ€"Like Acritarchs From the Late Ediacaran Bocaina Formation (CorumbÃ¡) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	7
11	Comparative Characterization of Mitogenomes From Five Orders of Cestodes (Eucestoda: Tapeworms). Frontiers in Genetics, 2021, 12, 788871.	2.3	2
12	Phylogenetic divergence within the Arcellinida (Amoebozoa) is congruent with test size and metabolism type. European Journal of Protistology, 2020, 72, 125645.	1.5	9
13	Testate Amoeba Functional Traits and Their Use in Paleoecology. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	40
14	The Sexual Ancestor of all Eukaryotes: A Defense of the â€œMeiosis Toolkitâ€• BioEssays, 2020, 42, e2000037.	2.5	6
15	De novo Sequencing, Assembly, and Annotation of the Transcriptome for the Freeâ€Living Testate Amoeba Arcella intermedia. Journal of Eukaryotic Microbiology, 2020, 67, 383-392.	1.7	2
16	Molecular investigation of Phryganella acropodia Hertwig et Lesser, 1874 (Arcellinida, Amoebozoa). European Journal of Protistology, 2020, 75, 125707.	1.5	9
17	Current knowledge and research perspectives of the shell formation process in the genus Arcella (Arcellinida: Amoebozoa). Protistology, 2020, 14, .	0.2	0
18	Reinvestigation of Phryganella paradoxa (Arcellinida, Amoebozoa) Penard 1902. Journal of Eukaryotic Microbiology, 2019, 66, 232-243.	1.7	12

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19	All Eukaryotes Are Sexual, unless Proven Otherwise. BioEssays, 2019, 41, e1800246.	2.5	29
20	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
21	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
22	Towards an applied metaecology. Perspectives in Ecology and Conservation, 2019, 17, 172-181.	1.9	30
23	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. Journal of Eukaryotic Microbiology, 2019, 66, 4-119.	1.7	904
24	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
25	Growth Rate Modulation Enables Coexistence in a Competitive Exclusion Scenario Between Microbial Eukaryotes. Acta Protozoologica, 2019, 58, 217-233.	0.5	1
26	Comparative Genomics Supports Sex and Meiosis in Diverse Amoebozoa. Genome Biology and Evolution, 2018, 10, 3118-3128.	2.5	25
27	Topological assessment of metabolic networks reveals evolutionary information. Scientific Reports, 2018, 8, 15918.	3.3	10
28	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
29	Biologically agglutinated eukaryotic microfossil from Cryogenian cap carbonates. Geobiology, 2017, 15, 499-515.	2.4	20
30	Soil protistology rebooted: 30 fundamental questions to start with. Soil Biology and Biochemistry, 2017, 111, 94-103.	8.8	130
31	Between a Pod and a Hard Test: The Deep Evolution of Amoebae. Molecular Biology and Evolution, 2017, 34, 2258-2270.	8.9	161
32	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
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	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
35	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
36	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

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37	PYRITIZED CRYOGENIAN CYANOBACTERIAL FOSSILS FROM ARCTIC ALASKA. Palaios, 2017, 32, 769-778.	1.3	7
38	Expansion of the molecular and morphological diversity of Acanthamoebidae (Centramoebida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	4.6	58
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	Phylogenetic reconstruction based on <scp>COI</scp> 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
41	Uncovering Cryptic Diversity in Two Amoebozoan Species Using Complete Mitochondrial Genome Sequences. Journal of Eukaryotic Microbiology, 2016, 63, 112-122.	1.7	20
42	Current and future perspectives on the systematics, taxonomy and nomenclature of testate amoebae. European Journal of Protistology, 2016, 55, 105-117.	1.5	75
43	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
44	Sapocribrum chincoteaguense n. gen. n. sp.: A Small, Scaleâ€bearing Amoebozoan with Flabellinid Affinities. Journal of Eukaryotic Microbiology, 2015, 62, 444-453.	1.7	9
45	The Phanerozoic diversification of silica-cycling testate amoebae and its possible links to changes in terrestrial ecosystems. PeerJ, 2015, 3, e1234.	2.0	29
46	Cryptic Diversity within Morphospecies of Testate Amoebae (Amoebozoa: Arcellinida) in New England Bogs and Fens. Protist, 2014, 165, 196-207.	1.5	32
47	How discordant morphological and molecular evolution among microorganisms can revise our notions of biodiversity on Earth. BioEssays, 2014, 36, 950-959.	2.5	36
48	Multicellularity arose several times in the evolution of eukaryotes (Response to DOI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (10.1	2.5	57
49	PRESERVATIONAL AND MORPHOLOGICAL VARIABILITY OF ASSEMBLAGES OF AGGLUTINATED EUKARYOTES IN CRYOGENIAN CAP CARBONATES OF NORTHERN NAMIBIA. Palaios, 2013, 28, 67-79.	1.3	36
50	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
51	Possible early foraminiferans in post-Sturtian (716â^'635 Ma) cap carbonates. Geology, 2012, 40, 67-70.	4.4	66
52	Time to regulate microbial eukaryote nomenclature. Biological Journal of the Linnean Society, 2012, 107, 469-476.	1.6	21
53	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
54	Putative Cryogenian ciliates from Mongolia. Geology, 2011, 39, 1123-1126.	4.4	49

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55	Agglutinated tests in post-Sturtian cap carbonates of Namibia and Mongolia. Earth and Planetary Science Letters, 2011, 308, 29-40.	4.4	73
56	Comprehensive Phylogenetic Reconstruction of Amoebozoa Based on Concatenated Analyses of SSU-rDNA and Actin Genes. PLoS ONE, 2011, 6, e22780.	2.5	77
57	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
58	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
59	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
60	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
61	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
62	Taxonomic Identity in Microbial Eukaryotes: A Practical Approach Using the Testate Amoeba Centropyxis to Resolve Conflicts Between Old and New Taxonomic Descriptions. Journal of Eukaryotic Microbiology, 2008, 55, 409-416.	1.7	10
63	The Dynamic Nature of Eukaryotic Genomes. Molecular Biology and Evolution, 2008, 25, 787-794.	8.9	127
64	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