Brian Leander

List of Publications by Year
in descending order

106	4,585	109321	118850
papers	citations	35 h-index	62 g-index

107	107	107	3914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Morphostasis in alveolate evolution. Trends in Ecology and Evolution, 2003, 18, 395-402.	8.7	148
4	Phylogeny of gregarines (Apicomplexa) as inferred from small-subunit rDNA and Î²-tubulin. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 345-354.	1.7	146
5	Marine gregarines: evolutionary prelude to the apicomplexan radiation?. Trends in Parasitology, 2008, 24, 60-67.	3.3	125
6	Did trypanosomatid parasites have photosynthetic ancestors?. Trends in Microbiology, 2004, 12, 251-258.	7.7	106
7	Evolution of microtubule organizing centers across the tree of eukaryotes. Plant Journal, 2013, 75, 230-244.	5.7	98
8	EARLY EVOLUTIONARY HISTORY OF DINOFLAGELLATES AND APICOMPLEXANS (ALVEOLATA) AS INFERRED FROM HSP90 AND ACTIN PHYLOGENIES1. Journal of Phycology, 2004, 40, 341-350.	2.3	97
9	The Phylogeny of Colpodellids (Alveolata) Using Small Subunit rRNA Gene Sequences Suggests They are the Free-living Sister Group to Apicomplexans. Journal of Eukaryotic Microbiology, 2002, 49, 498-504.	1.7	87
10	Multiple Independent Origins of Apicomplexan-Like Parasites. Current Biology, 2019, 29, 2936-2941.e5.	3.9	84
11	Cascades of convergent evolution: The corresponding evolutionary histories of euglenozoans and dinoflagellates. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9963-9970.	7.1	83
12	Metagenomic Analysis Suggests Modern Freshwater Microbialites Harbor a Distinct Core Microbial Community. Frontiers in Microbiology, 2016, 6, 1531.	3.5	78
13	Eye-like ocelloids are built from different endosymbiotically acquired components. Nature, 2015, 523, 204-207.	27.8	74
14	Morphostasis in a novel eukaryote illuminates the evolutionary transition from phagotrophy to phototrophy: description of Rapaza viridis n. gen. et sp. (Euglenozoa, Euglenida). BMC Evolutionary Biology, 2012, 12, 29.	3.2	71
15	Character evolution in heterotrophic euglenids. European Journal of Protistology, 2001, 37, 337-356.	1.5	67
16	MOLECULAR PHYLOGENY AND SURFACE MORPHOLOGY OF MARINE ASEPTATE GREGARINES (APICOMPLEXA): SELENIDIUM SPP. AND LECUDINA SPP. Journal of Parasitology, 2003, 89, 1191-1205.	0.7	67
17	Macroevolution of complex cytoskeletal systems in euglenids. BioEssays, 2007, 29, 987-1000.	2.5	67
18	Molecular Phylogeny and Surface Morphology of Colpodella edax (Alveolata): Insights into the Phagotrophic Ancestry of Apicomplexans. Journal of Eukaryotic Microbiology, 2003, 50, 334-340.	1.7	65

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19	Phylogeny of Marine Gregarines (Apicomplexa) â€" Pterospora, Lithocystis and Lankesteria â€" and the Origin(s) of Coelomic Parasitism. Protist, 2006, 157, 45-60.	1.5	64
20	Morphology and Phylogeny of the Pseudocolonial Dinoflagellates Polykrikos lebourae and Polykrikos herdmanae n. sp.. Protist, 2007, 158, 209-227.	1.5	64
21	Ultrastructure and molecular phylogenetic position of a novel euglenozoan with extrusive episymbiotic bacteria: Bihospites bacati n. gen. et sp. (Symbiontida). BMC Microbiology, 2010, 10, 145.	3.3	59
22	Comparative Morphology of the Euglenid Pellicle. II. Diversity of Strip Substructure. Journal of Eukaryotic Microbiology, 2001, 48, 202-217.	1.7	55
23	Ultrastructure of a novel tube-forming, intracellular parasite of dinoflagellates: Parvilucifera prorocentri sp. nov. (Alveolata, Myzozoa). European Journal of Protistology, 2008, 44, 55-70.	1.5	54
24	Masters of miniaturization: Convergent evolution among interstitial eukaryotes. BioEssays, 2010, 32, 430-437.	2.5	54
25	Molecular phylogeny of euglyphid testate amoebae (Cercozoa: Euglyphida) suggests transitions between marine supralittoral and freshwater/terrestrial environments are infrequent. Molecular Phylogenetics and Evolution, 2010, 55, 113-122.	2.7	54
26	Comparative Morphology of the Euglenid Pellicle. I. Patterns of Strips and Pores. Journal of Eukaryotic Microbiology, 2000, 47, 469-479.	1.7	51
27	CHARACTER EVOLUTION IN POLYKRIKOID DINOFLAGELLATES. Journal of Phycology, 2007, 43, 366-377.	2.3	50
28	TRENDS IN THE EVOLUTION OF THE EUGLENID PELLICLE. Evolution; International Journal of Organic Evolution, 2001, 55, 2215-2235.	2.3	48
29	A new case of kleptoplasty in animals: Marine flatworms steal functional plastids from diatoms. Science Advances, 2019, 5, eaaw4337.	10.3	46
30	Symbiotic Innovation in the Oxymonad Streblomastix strix. Journal of Eukaryotic Microbiology, 2004, 51, 291-300.	1.7	44
31	A wide diversity of previously undetected freeâ€living relatives of diplomonads isolated from marine/saline habitats. Environmental Microbiology, 2010, 12, 2700-2710.	3.8	44
32	Multiple losses of photosynthesis in <scp>N</scp>itzschia (<scp>B</scp>acillariophyceae). Phycological Research, 2015, 63, 19-28.	1.6	43
33	EVOLUTION OF PHACUS (EUGLENOPHYCEAE) AS INFERRED FROM PELLICLE MORPHOLOGY AND SSU rDNA. Journal of Phycology, 2001, 37, 143-159.	2.3	39
34	Molecular phylogeny of the marine sand-dwelling dinoflagellateHerdmania litoralisand an emended description of the closely related planktonic genusArchaeperidiniumJÃ¶rgensen. European Journal of Phycology, 2011, 46, 98-112.	2.0	38
35	Re-classification of Pheopolykrikos hartmannii as Polykrikos (Dinophyceae) based partly on the ultrastructure of complex extrusomes. European Journal of Protistology, 2010, 46, 29-37.	1.5	37
36	Comprehensive Ultrastructure of Kipferlia bialata Provides Evidence for Character Evolution within the Fornicata (Excavata). Protist, 2013, 164, 423-439.	1.5	37

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37	Ultrastructure and Molecular Phylogenetic Position of a Novel Phagotrophic Stramenopile from Low Oxygen Environments: Rictus lutensis gen. et sp. nov. (Bicosoecida, incertae sedis). Protist, 2010, 161, 264-278.	1.5	36
38	Microbial arms race: Ballistic â€œnematocystsâ€•in dinoflagellates represent a new extreme in organelle complexity. Science Advances, 2017, 3, e1602552.	10.3	36
39	Molecular systematics of marine gregarines (Apicomplexa) from North-eastern Pacific polychaetes and nemerteans, with descriptions of three novel species: Lecudina phyllochaetopteri sp. nov., Difficilina tubulani sp. nov. and Difficilina paranemertis sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2681-2690.	1.7	35
40	A Hierarchical View of Convergent Evolution in Microbial Eukaryotes¹. Journal of Eukaryotic Microbiology, 2008, 55, 59-68.	1.7	34
41	Validation of a universal set of primers to study animalâ€associated microeukaryotic communities. Environmental Microbiology, 2019, 21, 3855-3861.	3.8	34
42	MORPHOLOGY AND MOLECULAR PHYLOGENY OF A NEW MARINE SANDâ€DWELLING PROROCENTRUM SPECIES, P.ÂTSAWWASSENENSE (DINOPHYCEAE, PROROCENTRALES), FROM BRITISH COLUMBIA, CANADA¹. Journal of Phycology, 2008, 44, 451-466.	2.3	33
43	Species Boundaries in Gregarine Apicomplexan Parasites: A Case Studyâ€”Comparison of Morphometric and Molecular Variability in Lecudina cf. tuzetae (Eugregarinorida, Lecudinidae). Journal of Eukaryotic Microbiology, 2011, 58, 275-283.	1.7	32
44	The Complete Genome and Physiological Analysis of the Eurythermal Firmicute Exiguobacterium chiriqhucha Strain RW2 Isolated From a Freshwater Microbialite, Widely Adaptable to Broad Thermal, pH, and Salinity Ranges. Frontiers in Microbiology, 2018, 9, 3189.	3.5	32
45	The curious and neglected soft-bodied meiofauna: Rouphozoa (Gastrotricha and Platyhelminthes). Hydrobiologia, 2020, 847, 2613-2644.	2.0	32
46	An SSU rDNA barcoding approach to the diversity of marine interstitial cercozoans, including descriptions of four novel genera and nine novel species. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1962-1977.	1.7	31
47	Morphological Identities of Two Different Marine Stramenopile Environmental Sequence Clades: Bicosoeca kenaiensis (Hilliard, 1971) and Cantina marsupialis (Larsen and Patterson, 1990) gen. nov., comb. nov.. Journal of Eukaryotic Microbiology, 2015, 62, 532-542.	1.7	30
48	Ultrastructure of the archigregarine Selenidium vivax (Apicomplexa) â€“ A dynamic parasite of sipunculid worms (host: Phascolosoma agassizii). Marine Biology Research, 2006, 2, 178-190.	0.7	29
49	LESSARDIA ELONGATA GEN. ET SP. NOV. (DINOFLAGELLATA, PERIDINIALES, PODOLAMPACEAE) AND THE TAXONOMIC POSITION OF THE GENUS ROSCOFFIA¹. Journal of Phycology, 2003, 39, 368-378.	2.3	28
50	Microbiomes of microscopic marine invertebrates do not reveal signatures of phylosymbiosis. Nature Microbiology, 2022, 7, 810-819.	13.3	26
51	Taxonomy, phylogeny, biogeography, and ecology of Sabulodinium undulatum (Dinophyceae), including an emended description of the species. Phycological Research, 2007, 55, 159-175.	1.6	24
52	Different modes of convergent evolution reflect phylogenetic distances: a reply to Arendt and Reznick. Trends in Ecology and Evolution, 2008, 23, 481-482.	8.7	24
53	Characterization of three novel species of Labyrinthulomycota isolated from ochre sea stars (Pisaster ochraceus). Marine Biology, 2016, 163, 1.	1.5	23
54	Molecular systematics of marine gregarine apicomplexans from Pacific tunicates, with descriptions of five novel species of Lankesteria. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2598-2614.	1.7	23

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55	Surface morphology of the marine parasite Haplozoon axiothellae Siebert (Dinoflagellata). European Journal of Protistology, 2002, 38, 287-297.	1.5	22
56	The Complete Genome and Physiological Analysis of the Microbialite-Dwelling Agrococcus pavilionensis sp. nov; Reveals Genetic Promiscuity and Predicted Adaptations to Environmental Stress. Frontiers in Microbiology, 2018, 9, 2180.	3.5	22
57	A model for the morphogenesis of strip reduction patterns in phototrophic euglenids: evidence for heterochrony in pellicle evolution. Evolution & Development, 2006, 8, 378-388.	2.0	21
58	Cellular Identity of a Novel Small Subunit rDNA Sequence Clade of Apicomplexans: Description of the Marine Parasite Rhytidocystis polygordiae n. sp. (Host: Polygordius sp., Polychaeta). Journal of Eukaryotic Microbiology, 2006, 53, 280-291.	1.7	20
59	Parasitic infection of the hyperiid amphipod Themisto libellula in the Canadian Beaufort Sea (Arctic) Tj ETQq1 1 0.784314 rgBT /Overlock Biology, 2010, 33, 1339-1350.	1.2	20
60	Ultrastructure and Molecular Phylogenetic Position of Heteronema scaphurum: A Eukaryovorous Euglenid with a Cytoproct. Journal of Eukaryotic Microbiology, 2013, 60, 107-120.	1.7	20
61	Comparative Ultrastructure and Molecular Phylogeny of Selenidium melongena n. sp. and S. terebellae Ray 1930 Demonstrate Niche Partitioning in Marine Gregarine Parasites (Apicomplexa). Protist, 2014, 165, 493-511.	1.5	20
62	Single-cell transcriptomics using spliced leader PCR: Evidence for multiple losses of photosynthesis in polykrikoid dinoflagellates. BMC Genomics, 2015, 16, 528.	2.8	20
63	Comparative Ultrastructure of Fornicate Excavates, Including a Novel Free-living Relative of Diplomonads: Aduncisulcus paluster gen. et sp. nov.. Protist, 2016, 167, 584-596.	1.5	20
64	NOVEL PELLICLE SURFACE PATTERNS ON EUGLENA OBTUSA (EUGLENOPHYTA) FROM THE MARINE BENTHIC ENVIRONMENT: IMPLICATIONS FOR PELLICLE DEVELOPMENT AND EVOLUTION¹. Journal of Phycology, 2008, 44, 132-141.	2.3	19
65	Morphology and molecular phylogeny ofAmphidiniopsis rotundatasp. nov. (Peridiniales,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	18
66	MORPHOLOGY AND MOLECULAR PHYLOGENY OF ANKISTRODINIUM GEN. NOV. (DINOPHYCEAE), A NEW GENUS OF MARINE SANDâ€DWELLING DINOFLAGELLATES FORMERLY CLASSIFIED WITHIN AMPHIDINIUM¹. Journal of Phycology, 2012, 48, 1143-1152.	2.3	18
67	Cryptic Diversity of Freeâ€Living Parabasalids, Pseudotrichomonas keilini and Lacusteria cypriaca n. g., n. sp., as Inferred from Small Subunit rDNA Sequences. Journal of Eukaryotic Microbiology, 2010, 57, 554-561.	1.7	17
68	Identity of environmental DNA sequences using descriptions of four novel marine gregarine parasites, Polyplicarium n. gen. (Apicomplexa), from capitellid polychaetes. Marine Biodiversity, 2013, 43, 133-147.	1.0	17
69	Fusiforma themisticola n. gen., n. sp., a New Genus and Species of Apostome Ciliate Infecting the Hyperiid Amphipod Themisto libellula in the Canadian Beaufort Sea (Arctic Ocean), and Establishment of the Pseudocolliniidae (Ciliophora, Apostomatia). Protist, 2013, 164, 793-810.	1.5	17
70	Euglenida. , 2017, , 1047-1088.		17
71	Echinoderes hakaiensis sp. nov.: a new mud dragon (Kinorhyncha, Echinoderidae) from the northeastern Pacific Ocean with the redescription of Echinoderes pennaki Higgins, 1960. Marine Biodiversity, 2018, 48, 303-325.	1.0	17
72	Evolution of the microtubular cytoskeleton (flagellar apparatus) in parasitic protists. Molecular and Biochemical Parasitology, 2016, 209, 26-34.	1.1	16

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73	How exaptations facilitated photosensory evolution: Seeing the light by accident. BioEssays, 2017, 39, 1600266.	2.5	16
74	Species diversity in the marine microturbellarian Astrotorhynchus bifidus sensu lato (Platyhelminthes: Rhabdocoela) from the Northeast Pacific Ocean. Molecular Phylogenetics and Evolution, 2018, 120, 259-273.	2.7	16
75	Morphology and taxonomy of a new marine sand-dwelling Amphidiniopsis species (Dinophyceae,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.0	15
76	Reconciling the bizarre inheritance of microtubules in complex (euglenid) microeukaryotes. Protoplasma, 2012, 249, 859-869.	2.1	15
77	Predatory protists. Current Biology, 2020, 30, R510-R516.	3.9	15
78	Multigene phylogenetics of euglenids based on single-cell transcriptomics of diverse phagotrophs. Molecular Phylogenetics and Evolution, 2021, 159, 107088.	2.7	15
79	Old Lineages in a New Ecosystem: Diversification of Arcellinid Amoebae (Amoebozoa) and Peatland Mosses. PLoS ONE, 2014, 9, e95238.	2.5	15
80	Phylogenetic position and description of Rhytidocystis cyamus sp. n. (Apicomplexa, Rhytidocystidae): a novel intestinal parasite of the north-eastern Pacific â€˜stink wormâ€™ (Polychaeta, Opheliidae, Travisia) Tj ETQq0 1 0 rgBT /Overlock 10	1.0	13
81	A new species of Polygordius (Polychaeta: Polygordiidae): from the inner continental shelf and in bays and harbours of the north-eastern United States. Journal of the Marine Biological Association of the United Kingdom, 2006, 86, 1025-1034.	0.8	12
82	Morphology and molecular phylogeny of Haplozoon praxillellae n. sp. (Dinoflagellata): A novel intestinal parasite of the maldanid polychaete Praxillella pacifica Berkeley. European Journal of Protistology, 2008, 44, 299-307.	1.5	12
83	Dinoflagellate nucleus contains an extensive endomembrane network, the nuclear net. Scientific Reports, 2019, 9, 839.	3.3	12
84	Single-Cell Transcriptomics of Abedinium Reveals a New Early-Branching Dinoflagellate Lineage. Genome Biology and Evolution, 2020, 12, 2417-2428.	2.5	11
85	Pellicle ultrastructure demonstrates that Moyeria is a fossil euglenid. Palynology, 2020, 44, 461-471.	1.5	10
86	Morphology and Molecular Phylogeny of a New Marine, Sandâ€dwelling Dinoflagellate Genus, Pachena (Dinophyceae), with Descriptions of Three New Species. Journal of Phycology, 2020, 56, 798-817.	2.3	8
87	Euglenida. , 2017, , 1-42.		8
88	Ultrastructure and molecular phylogenetic position of a new marine sand-dwelling dinoflagellate from British Columbia, Canada: Pseudadenoides polypyrenoides sp. nov. (Dinophyceae). European Journal of Phycology, 2017, 52, 208-224.	2.0	7
89	Neuroanatomy of mud dragons: a comprehensive view of the nervous system in Echinoderes (Kinorhyncha) by confocal laser scanning microscopy. BMC Evolutionary Biology, 2019, 19, 86.	3.2	7
90	Species diversity of eukalyptorhynch flatworms (Platyhelminthes, Rhabdocoela) from the coastal margin of British Columbia: Polycystididae, Koinocystididae and Gnathorhynchidae. Marine Biology Research, 2018, 14, 899-923.	0.7	6

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91	Molecular phylogeny of neodalyellid flatworms (Rhabdocoela), including three new species from British Columbia. Journal of Zoological Systematics and Evolutionary Research, 2019, 57, 41-56.	1.4	6
92	Molecular examination of kalyptorhynch diversity (Platyhelminthes: Rhabdocoela), including descriptions of five meiofaunal species from the north-eastern Pacific Ocean. Journal of the Marine Biological Association of the United Kingdom, 2014, 94, 499-514.	0.8	5
93	Ultrastructure of the marine benthic dinoflagellatePlagiodinium belizeanum(Dinophyceae) from the southeast Pacific island of Okinawa, Japan. Phycologia, 2018, 57, 209-222.	1.4	5
94	A revision of the genus Cheliplana de Beauchamp, 1927 (Rhabdocoela: Schizorhynchia), with the description of six new species. Zootaxa, 2021, 4970, 453494.	0.5	5
95	Molecular contributions to species boundaries in dicyemid parasites from eastern Pacific cephalopods. Marine Biology Research, 2015, 11, 414-422.	0.7	4
96	Molecular Phylogenetic Positions of Two New Marine Gregarines (Apicomplexa)â€”Paralecudina anankea n. sp. and Lecudina caspera n. sp.â€”from the Intestine of Lumbrineris inflata (Polychaeta) Show Patterns of Coâ€evolution. Journal of Eukaryotic Microbiology, 2018, 65, 211-219.	1.7	4
97	Molecular phylogeny of trigonostomine turbellarians (Platyhelminthes: Rhabdocoela:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 of the Linnean Society, 2018, 182, 237-257.	2.3	4
98	Insights into mud dragon morphology (Kinorhyncha, Allomalorhagida): myoanatomy and neuroanatomy of Dracoderes abei and Pycnophyes ilyocryptus. Organisms Diversity and Evolution, 2020, 20, 467-493.	1.6	4
99	Grappleria corona gen. et sp. nov. (Platyhelminthes: Rhabdocoela: Jenseniidae fam. nov.) and an updated molecular phylogeny of â€˜dalyelliidâ€™ and temnocephalid microturbellarians. Systematics and Biodiversity, 2021, 19, 261-272.	1.2	4
100	Myoanatomy of three aberrant kinorhynch species: similar but different?. Zoomorphology, 2021, 140, 193-215.	0.8	4
101	The molecular phylogenetic position of Mariplanella piscadera sp. nov. reveals a new major group of rhabdocoel flatworms: Mariplanellida status novus (Platyhelminthes: Rhabdocoela). Organisms Diversity and Evolution, 2022, 22, 577-584.	1.6	4
102	Description and phylogenetic position of the first sand-dwelling entoproct from the western coast of North America:Loxosomella vancouverensissp. nov.. Marine Biology Research, 2012, 8, 284-291.	0.7	3
103	Insights into the Morphology of Haplozoan Parasites (Dinoflagellata) using Confocal Laser Scanning Microscopy. Journal of Eukaryotic Microbiology, 2021, 68, e12855.	1.7	3
104	Revisiting kinorhynch segmentation: variation of segmental patterns in the nervous system of three aberrant species. Frontiers in Zoology, 2021, 18, 54.	2.0	3
105	THE KINGDOM PROTISTA: THE DAZZLING WORLD OF LIVING CELLS by Pickett-Heaps, Jeremy D. and Pickett-Heaps, Julianne. Journal of Phycology, 2006, 42, 1155-1156.	2.3	0
106	A letter to Denis Lynn. Aquatic Ecosystem Health and Management, 2020, 23, 17-18.	0.6	0