Enrique Lara

List of Publications by Year
in descending order

105 papers	10,036 citations	87888 38 h-index	39675 94 g-index
117 all docs	117 docs citations	117 times ranked	8683 citing authors

#	Article	IF	Citations
1	Eukaryotic plankton diversity in the sunlit ocean. Science, 2015, 348, 1261605.	12.6	1,551
2	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. Nucleic Acids Research, 2012, 41, D597-D604.	14.5	1,463
3	The Revised Classification of Eukaryotes. Journal of Eukaryotic Microbiology, 2012, 59, 429-514.	1.7	1,340
4	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. Journal of Eukaryotic Microbiology, 2019, 66, 4-119.	1.7	904
5	CBOL Protist Working Group: Barcoding Eukaryotic Richness beyond the Animal, Plant, and Fungal Kingdoms. PLoS Biology, 2012, 10, e1001419.	5.6	488
6	Soil protists: a fertile frontier in soil biology research. FEMS Microbiology Reviews, 2018, 42, 293-323.	8.6	368
7	Parasites dominate hyperdiverse soil protist communities in Neotropical rainforests. Nature Ecology and Evolution, 2017, 1, 91.	7.8	262
8	The Environmental Clade LKM11 and Rozella Form the Deepest Branching Clade of Fungi. Protist, 2010, 161, 116-121.	1.5	197
9	Secondary Metabolites Help Biocontrol Strain Pseudomonas fluorescens CHA0 To Escape Protozoan Grazing. Applied and Environmental Microbiology, 2006, 72, 7083-7090.	3.1	183
10	Soil protistology rebooted: 30 fundamental questions to start with. Soil Biology and Biochemistry, 2017, 111, 94-103.	8.8	130
11	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
12	Diversity and biogeography of testate amoebae. Biodiversity and Conservation, 2008, 17, 329-343.	2.6	119
13	Protist taxonomic and functional diversity in soil, freshwater and marine ecosystems. Environment International, 2021, 146, 106262.	10.0	110
14	An unexpected role for mixotrophs in the response of peatland carbon cycling to climate warming. Scientific Reports, 2015, 5, 16931.	3.3	108
15	Distribution patterns of soil microbial eukaryotes suggests widespread algivory by phagotrophic protists as an alternative pathway for nutrient cycling. Soil Biology and Biochemistry, 2017, 112, 68-76.	8.8	104
16	Tipping point in plantâ€“fungal interactions under severe drought causes abrupt rise in peatland ecosystem respiration. Global Change Biology, 2018, 24, 972-986.	9.5	98
17	COI Barcoding of Nebelid Testate Amoebae (Amoebozoa: Arcellinida): Extensive Cryptic Diversity and Redefinition of the Hyalospheniidae Schultze. Protist, 2012, 163, 415-434.	1.5	93
18	Cultivation-independent analysis reveals a shift in ciliate 18S rRNA gene diversity in a polycyclic aromatic hydrocarbon-polluted soil. FEMS Microbiology Ecology, 2007, 62, 365-373.	2.7	84

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19	Panâ€oceanic distribution of new highly diverse clades of deepâ€sea diplonemids. Environmental Microbiology, 2009, 11, 47-55.	3.8	82
20	Ribosomal RNA Genes Challenge the Monophyly of the Hyalospheniidae (Amoebozoa: Arcellinida). Protist, 2008, 159, 165-176.	1.5	75
21	Current and future perspectives on the systematics, taxonomy and nomenclature of testate amoebae. European Journal of Protistology, 2016, 55, 105-117.	1.5	75
22	Highly Diverse and Seasonally Dynamic Protist Community in a Pristine Peat Bog. Protist, 2011, 162, 14-32.	1.5	74
23	Phylogenomic Analysis of Kinetoplastids Supports That Trypanosomatids Arose from within Bodonids. Molecular Biology and Evolution, 2011, 28, 53-58.	8.9	68
24	SSU rRNA reveals major trends in oomycete evolution. Fungal Diversity, 2011, 49, 93-100.	12.3	63
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	Andalucia (n. gen.)-the Deepest Branch Within Jakobids (Jakobida; Excavata), Based on Morphological and Molecular Study of a New Flagellate from Soil. Journal of Eukaryotic Microbiology, 2006, 53, 112-120.	1.7	53
27	Ecology of testate amoebae in peatlands of central China and development of a transfer function for paleohydrological reconstruction. Journal of Paleolimnology, 2013, 50, 319-330.	1.6	53
28	Using DNA-barcoding for sorting out protist species complexes: A case study of the Nebela tinctaâ€“collarisâ€“bohemica group (Amoebozoa; Arcellinida, Hyalospheniidae). European Journal of Protistology, 2013, 49, 222-237.	1.5	51
29	Molecular comparison of cultivable protozoa from a pristine and a polycyclic aromatic hydrocarbon polluted site. Soil Biology and Biochemistry, 2007, 39, 139-148.	8.8	49
30	Functional traits as a new approach for interpreting testate amoeba palaeo-records in peatlands and assessing the causes and consequences of past changes in species composition. Holocene, 2015, 25, 1375-1383.	1.7	49
31	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
32	SSU rRNA Phylogeny of Arcellinida (Amoebozoa) Reveals that the Largest Arcellinid Genus, Difflugia Leclerc 1815, is not Monophyletic. Protist, 2012, 163, 389-399.	1.5	48
33	Amphitremida (Poche, 1913) Is a New Major, Ubiquitous Labyrinthulomycete Clade. PLoS ONE, 2013, 8, e53046.	2.5	48
34	Environmental filtering and phylogenetic clustering correlate with the distribution patterns of cryptic protist species. Ecology, 2018, 99, 904-914.	3.2	47
35	Checklist, diversity and distribution of testate amoebae in Chile. European Journal of Protistology, 2015, 51, 409-424.	1.5	44
36	Comparative analysis of bones, mites, soil chemistry, nematodes and soil micro-eukaryotes from a suspected homicide to estimate the post-mortem interval. Scientific Reports, 2018, 8, 25.	3.3	44

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37	SSU rRNA Reveals a Sequential Increase in Shell Complexity Among the Euglyphid Testate Amoebae (Rhizaria: Euglyphida). Protist, 2007, 158, 229-237.	1.5	43
38	Soil microorganisms behave like macroscopic organisms: patterns in the global distribution of soil euglyphid testate amoebae. Journal of Biogeography, 2016, 43, 520-532.	3.0	43
39	Application of the denaturing gradient gel electrophoresis (DGGE) technique as an efficient diagnostic tool for ciliate communities in soil. Science of the Total Environment, 2010, 408, 1221-1225.	8.0	42
40	Microbial eukaryote communities exhibit robust biogeographical patterns along a gradient of Patagonian and Antarctic lakes. Environmental Microbiology, 2016, 18, 5249-5264.	3.8	41
41	Testate Amoeba Functional Traits and Their Use in Paleoecology. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	40
42	Comparing Potential COI and SSU rDNA Barcodes for Assessing the Diversity and Phylogenetic Relationships of Cyphoderiid Testate Amoebae (Rhizaria: Euglyphida). Protist, 2011, 162, 131-141.	1.5	39
43	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
44	Contribution of soil algae to the global carbon cycle. New Phytologist, 2022, 234, 64-76.	7.3	39
45	One Alga to Rule them All: Unrelated Mixotrophic Testate Amoebae (Amoebozoa, Rhizaria and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.5	38
46	Eight species in the Nebela collaris complex: Nebela gimlii (Arcellinida, Hyalospheniidae), a new species described from a Swiss raised bog. European Journal of Protistology, 2015, 51, 79-85.	1.5	36
47	Dispersal limitations and historical factors determine the biogeography of specialized terrestrial protists. Molecular Ecology, 2019, 28, 3089-3100.	3.9	34
48	Waterâ€“energy balance, past ecological perturbations and evolutionary constraints shape the latitudinal diversity gradient of soil testate amoebae in southâ€western South America. Global Ecology and Biogeography, 2016, 25, 1216-1227.	5.8	33
49	Lateral transfer of the gene for a widely used marker, Î±-tubulin, indicated by a multi-protein study of the phylogenetic position of Andalucia (Excavata). Molecular Phylogenetics and Evolution, 2008, 47, 366-377.	2.7	29
50	COI gene and ecological data suggest size-dependent high dispersal and low intra-specific diversity in free-living terrestrial protists (Euglyphida: Assulina). Journal of Biogeography, 2011, 38, 640-650.	3.0	29
51	A molecular perspective on ciliates as soil bioindicators. European Journal of Soil Biology, 2012, 49, 107-111.	3.2	29
52	High-throughput sequencing reveals diverse oomycete communities in oligotrophic peat bog micro-habitat. Fungal Ecology, 2016, 23, 42-47.	1.6	29
53	The Phanerozoic diversification of silica-cycling testate amoebae and its possible links to changes in terrestrial ecosystems. PeerJ, 2015, 3, e1234.	2.0	29
54	Higher spatial than seasonal variation in floodplain soil eukaryotic microbial communities. Soil Biology and Biochemistry, 2020, 147, 107842.	8.8	28

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55	Genetic Determinism vs. Phenotypic Plasticity in Protist Morphology. Journal of Eukaryotic Microbiology, 2017, 64, 729-739.	1.7	27
56	Response of forest soil euglyphid testate amoebae (Rhizaria: Cercozoa) to pig cadavers assessed by high-throughput sequencing. International Journal of Legal Medicine, 2016, 130, 551-562.	2.2	26
57	Soil protist diversity in the Swiss western Alps is better predicted by topoâ€climatic than by edaphic variables. Journal of Biogeography, 2020, 47, 866-878.	3.0	26
58	Arcellinida testate amoebae (Amoebozoa: Arcellinida): model of organisms for assessing microbial biogeography. , 2011, , 111-129.		25
59	Multiple barcode assessment within the Saprolegnia-Achlya clade (Saprolegniales, Oomycota,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.8	22
60	Time to regulate microbial eukaryote nomenclature. Biological Journal of the Linnean Society, 2012, 107, 469-476.	1.6	21
61	Relationships between testate amoeba communities and water quality in Lake Donghu, a large alkaline lake in Wuhan, China. Frontiers of Earth Science, 2013, 7, 182-190.	2.1	21
62	Morphological and Molecular Diversification of Asian Endemic Difflugia tuberspinifera (Amoebozoa,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	19
63	Planktonic eukaryote molecular diversity: discrimination of minerotrophic and ombrotrophic peatland pools in Tierra del Fuego (Argentina). Journal of Plankton Research, 2015, 37, 645-655.	1.8	19
64	Mycamoeba gemmipara nov. gen., nov. sp., the First Cultured Member of the Environmental Dermamoebidae Clade LKM74 and its Unusual Life Cycle. Journal of Eukaryotic Microbiology, 2017, 64, 257-265.	1.7	18
65	En garde! Redefinition of Nebela militaris (Arcellinida, Hyalospheniidae) and erection of Alabasta gen. nov.. European Journal of Protistology, 2018, 66, 156-165.	1.5	17
66	Comparative analysis of diversity and environmental niches of soil bacterial, archaeal, fungal and protist communities reveal niche divergences along environmental gradients in the Alps. Soil Biology and Biochemistry, 2022, 169, 108674.	8.8	17
67	Sphenoderiidae (fam. nov.), a New Clade of Euglyphid Testate Amoebae Characterized by Small, Round Scales Surrounding the Aperture. Protist, 2013, 164, 782-792.	1.5	16
68	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
69	Global distribution of Trebouxiophyceae diversity explored by highâ€throughput sequencing and phylogenetic approaches. Environmental Microbiology, 2019, 21, 3885-3895.	3.8	16
70	High-throughput sequencing of litter and moss eDNA reveals a positive correlation between the diversity of Apicomplexa and their invertebrate hosts across alpine habitats. Soil Biology and Biochemistry, 2020, 147, 107837.	8.8	15
71	Environmental DNA COI barcoding for quantitative analysis of protists communities: A test using the Nebela collaris complex (Amoebozoa; Arcellinida; Hyalospheniidae). European Journal of Protistology, 2015, 51, 311-320.	1.5	14
72	Multiple convergences in the evolutionary history of the testate amoeba family Arcellidae (Amoebozoa: Arcellinida: Sphaerothecina): when the ecology rules the morphology. Zoological Journal of the Linnean Society, 2022, 194, 1044-1071.	2.3	13

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73	Assessing the responses of Sphagnum micro-eukaryotes to climate changes using high throughput sequencing. PeerJ, 2020, 8, e9821.	2.0	13
74	From Environmental Sequences to Morphology: Observation and Characterisation of a Paulinellid Testate Amoeba (Micropyxidiella edaphonis gen. nov. sp. nov. Euglyphida, Paulinellidae) from Soil using Fluorescent in situ Hybridization. Protist, 2015, 166, 264-270.	1.5	12
75	Geographical distance and local environmental conditions drive the genetic population structure of a freshwater microalga (Bathycoccaceae; Chlorophyta) in Patagonian lakes. FEMS Microbiology Ecology, 2017, 93, .	2.7	12
76	Deconstructing Difflugia: The tangled evolution of lobose testate amoebae shells (Amoebozoa:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Phylogenetics and Evolution, 2022, 175, 107557.	2.7	12
77	Incipient loss of flagella in the genus Geolegnia: the emergence of a new clade within Leptolegnia?. IMA Fungus, 2013, 4, 169-175.	3.8	11
78	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
79	Contrasted Micro-Eukaryotic Diversity Associated with Sphagnum Mosses in Tropical, Subtropical and Temperate Climatic Zones. Microbial Ecology, 2019, 78, 714-724.	2.8	11
80	Greater topoclimatic control of aboveâ€•versus belowâ€ground communities. Global Change Biology, 2020, 26, 6715-6728.	9.5	11
81	Symbiosis between Testate Amoebae and Photosynthetic Organisms. , 2017, , 399-419.		10
82	Contribution of microbial photosynthesis to peatland carbon uptake along a latitudinal gradient. Journal of Ecology, 2021, 109, 3424-3441.	4.0	10
83	Soil protist function varies with elevation in the Swiss Alps. Environmental Microbiology, 2022, 24, 1689-1702.	3.8	10
84	Diversity of photosynthetic picoeukaryotes in eutrophic shallow lakes as assessed by combining flow cytometry cell-sorting and high throughput sequencing. FEMS Microbiology Ecology, 2019, 95, .	2.7	9
85	Phylogenetic divergence within the Arcellinida (Amoebozoa) is congruent with test size and metabolism type. European Journal of Protistology, 2020, 72, 125645.	1.5	9
86	Rain-Fed Granite Rock Basins Accumulate a High Diversity of Dormant Microbial Eukaryotes. Microbial Ecology, 2020, 79, 882-897.	2.8	9
87	Molecular investigation of Phryganella acropodia Hertwig et Lesser, 1874 (Arcellinida, Amoebozoa). European Journal of Protistology, 2020, 75, 125707.	1.5	9
88	Population dynamics of amoeboid protists in a tropical desert: seasonal changes and effects of vegetation and soil conditions. Acta Protozoologica, 2018, 57, 231-242.	0.5	9
89	Freshwater protists: unveiling the unexplored in a large floodplain system. Environmental Microbiology, 2022, 24, 1731-1745.	3.8	9
90	Nebela jiuhuensis nov. sp. (Amoebozoa; Arcellinida; Hyalospheniidae): A New Member of the Nebela saccifera â€•equicalceus â€•ansata Group Described from Sphagnum Peatlands in Southâ€Central China. Journal of Eukaryotic Microbiology, 2016, 63, 558-566.	1.7	8

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91	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
92	Discrepancies between prokaryotes and eukaryotes need to be considered in soil <scp>DNA</scp>â€based studies. Environmental Microbiology, 2022, 24, 3829-3839.	3.8	8
93	Niche Conservatism Drives the Elevational Diversity Gradient in Major Groups of Free-Living Soil Unicellular Eukaryotes. Microbial Ecology, 2022, 83, 459-469.	2.8	7
94	We are ready for faunistic surveys of bdelloid rotifers through DNA barcoding: the example of Sphagnum bogs of the Swiss Jura Mountains. , 2019, 38, 213-225.		7
95	Cyphoderia ampulla(Cyphoderiidae: Rhizaria), a tale of freshwater sailors: The causes and consequences of ecological transitions through the salinity barrier in a family of benthic protists. Molecular Ecology, 2022, 31, 2644-2663.	3.9	7
96	Arcellinida testate amoebae as climate miner's canaries in Southern Spain. European Journal of Protistology, 2021, 81, 125828.	1.5	6
97	Diversity and biogeography of testate amoebae. Topics in Biodiversity and Conservation, 2007, , 95-109.	1.0	6
98	First freshwater member ever reported for the family Bathycoccaceae (Chlorophyta; Archaeplastida) from Argentinean Patagonia revealed by environmental DNA survey. European Journal of Protistology, 2017, 60, 45-49.	1.5	5
99	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
100	Superficially described and ignored for 92Âyears, rediscovered and emended: Apodera angatakere (Amoebozoa: Arcellinida: Hyalospheniformes) is a new flagship testate amoeba taxon from Aotearoa (New Zealand). Journal of Eukaryotic Microbiology, 2021, 68, e12867.	1.7	4
101	Phylogenetic diversity and dominant ecological traits of freshwater Antarctic Chrysophyceae. Polar Biology, 2021, 44, 941-957.	1.2	3
102	Using Testate Amoebae Communities to Evaluate Environmental Stress: A Molecular Biology Perspective. , 2019, , 308-313.		3
103	Description of Phaeobola aeris gen. nov., sp. nov (Rhizaria, Cercozoa, Euglyphida) Sheds Light on Euglyphidaâ€™s Dark Matter. Journal of Eukaryotic Microbiology, 2021, 68, e12835.	1.7	2
104	A reassessment of testate amoebae diversity in Tierra del Fuego peatlands: Implications for large scale inferences. European Journal of Protistology, 2021, 80, 125806.	1.5	2
105	Case 3782 â€“ Nebela militaris Penard, 1890 (Arcellinida, Hyalospheniidae): proposed conservation of the specific name by giving it precedence over Nebela bursella Taranek, 1881. Bulletin of Zoological Nomenclature, 2020, 77, 22.	0.1	1