

Laure Guillou

List of Publications by Year in descending order

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72
papers

8,424
citations

87843

38
h-index

85498

71
g-index

77
all docs

77
docs citations

77
times ranked

7031
citing authors

#	ARTICLE	IF	CITATIONS
1	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. <i>Nucleic Acids Research</i> , 2012, 41, D597-D604.	6.5	1,463
2	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 4-119.	0.8	904
3	Widespread occurrence and genetic diversity of marine parasitoids belonging to <i>Syndiniales</i> (<i>Alveolata</i>). <i>Environmental Microbiology</i> , 2008, 10, 3349-3365.	1.8	511
4	Marine protist diversity in European coastal waters and sediments as revealed by high-throughput sequencing. <i>Environmental Microbiology</i> , 2015, 17, 4035-4049.	1.8	384
5	Control of Toxic Marine Dinoflagellate Blooms by Serial Parasitic Killers. <i>Science</i> , 2008, 322, 1254-1257.	6.0	322
6	Phylogenetic and Ecological Analysis of Novel Marine Stramenopiles. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3528-3534.	1.4	321
7	Diversity of Picoplanktonic Prasinophytes Assessed by Direct Nuclear SSU rDNA Sequencing of Environmental Samples and Novel Isolates Retrieved from Oceanic and Coastal Marine Ecosystems. <i>Protist</i> , 2004, 155, 193-214.	0.6	235
8	BOLIDOMONAS: A NEW GENUS WITH TWO SPECIES BELONGING TO A NEW ALGAL CLASS, THE BOLIDOPHYCEAE (HETEROKONTA). <i>Journal of Phycology</i> , 1999, 35, 368-381.	1.0	225
9	Abundance and diversity of prymnesiophytes in the picoplankton community from the equatorial Pacific Ocean inferred from 18S rDNA sequences. <i>Limnology and Oceanography</i> , 2000, 45, 98-109.	1.6	208
10	Eukaryotic Richness in the Abyss: Insights from Pyrotag Sequencing. <i>PLoS ONE</i> , 2011, 6, e18169.	1.1	207
11	Picoeukaryotic diversity in an oligotrophic coastal site studied by molecular and culturing approaches. <i>FEMS Microbiology Ecology</i> , 2004, 50, 231-243.	1.3	204
12	PhytoREF: a reference database of the plastidial 16S rRNA gene of photosynthetic eukaryotes with curated taxonomy. <i>Molecular Ecology Resources</i> , 2015, 15, 1435-1445.	2.2	198
13	Validation and Application of a PCR Primer Set to Quantify Fungal Communities in the Soil Environment by Real-Time Quantitative PCR. <i>PLoS ONE</i> , 2011, 6, e24166.	1.1	198
14	Ecotype diversity in the marine picoeukaryote <i>Ostreococcus</i> (Chlorophyta, Prasinophyceae). <i>Environmental Microbiology</i> , 2005, 7, 853-859.	1.8	185
15	Unveiling the Organisms behind Novel Eukaryotic Ribosomal DNA Sequences from the Ocean. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4554-4558.	1.4	176
16	Oligonucleotide Probes for the Identification of Three Algal Groups by Dot Blot and Fluorescent Whole-Cell Hybridization. <i>Journal of Eukaryotic Microbiology</i> , 2000, 47, 76-84.	0.8	142
17	Phylogenetic analysis of the "Nannochloris-like" algae and diagnoses of <i>Picochlorum oklahomensis</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta). <i>Phycologia</i> , 2004, 43, 641-652.	0.6	139
18	Rapid protein evolution, organellar reductions, and invasive intronic elements in the marine aerobic parasite dinoflagellate <i>Amoebophrya</i> spp. <i>BMC Biology</i> , 2021, 19, 1.	1.7	135

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19	Genetic Diversity and Molecular Detection of Three Toxic Dinoflagellate Genera and from French Coasts. <i>Protist</i> , 2002, 153, 223-238.	0.6	132
20	Wide genetic diversity of picoplanktonic green algae (Chloroplastida) in the Mediterranean Sea uncovered by a phylum-biased PCR approach. <i>Environmental Microbiology</i> , 2008, 10, 1804-1822.	1.8	112
21	Zoosporic parasites infecting marine diatoms – A black box that needs to be opened. <i>Fungal Ecology</i> , 2016, 19, 59-76.	0.7	109
22	<i>Dinomyces arenysensis</i> gen. et sp. nov. (Rhizophydiales, Dinomycetaceae fam. nov.), a Chytrid Infecting Marine Dinoflagellates. <i>Protist</i> , 2014, 165, 230-244.	0.6	102
23	EukRef: Phylogenetic curation of ribosomal RNA to enhance understanding of eukaryotic diversity and distribution. <i>PLoS Biology</i> , 2018, 16, e2005849.	2.6	101
24	PIGMENT SUITES AND TAXONOMIC GROUPS IN PRASINOPHYCEAE. <i>Journal of Phycology</i> , 2004, 40, 1149-1155.	1.0	99
25	IDENTIFICATION OF THE CLASS PRYMNESIOPHYCEAE AND THE GENUS PHAEOCYSTIS WITH RIBOSOMAL RNA-TARGETED NUCLEIC ACID PROBES DETECTED BY FLOW CYTOMETRY1. <i>Journal of Phycology</i> , 1996, 32, 858-868.	1.0	82
26	Comparative analysis between protist communities from the deep-sea pelagic ecosystem and specific deep hydrothermal habitats. <i>Environmental Microbiology</i> , 2010, 12, 2946-2964.	1.8	80
27	An aerobic eukaryotic parasite with functional mitochondria that likely lacks a mitochondrial genome. <i>Science Advances</i> , 2019, 5, eaav1110.	4.7	76
28	Diel variations in <i>Prochlorococcus</i> optical properties. <i>Limnology and Oceanography</i> , 2002, 47, 1637-1647.	1.6	75
29	Ecological impacts of parasitic chytrids, syndiniales and perkinsids on populations of marine photosynthetic dinoflagellates. <i>Fungal Ecology</i> , 2016, 19, 47-58.	0.7	73
30	PHYLOGENETIC ANALYSIS AND GENOME SIZE OF OSTREOCOCCUS TAURI (CHLOROPHYTA), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.0	72
31	Diversity and Abundance of Bolidophyceae (Heterokonta) in Two Oceanic Regions. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4528-4536.	1.4	72
32	The Roscoff Culture Collection (RCC): a collection dedicated to marine picoplankton. <i>Nova Hedwigia</i> , 2004, 79, 49-70.	0.2	71
33	<i>Parvilucifera rostrata</i> sp. nov. (Perkinsozoa), a Novel Parasitoid that Infects Planktonic Dinoflagellates. <i>Protist</i> , 2014, 165, 31-49.	0.6	69
34	Interplay Between the Parasite <i>Amoebophrya</i> sp. (Alveolata) and the Cyst Formation of the Red Tide Dinoflagellate <i>Scrippsiella trochoidea</i> . <i>Protist</i> , 2011, 162, 637-649.	0.6	64
35	General Patterns of Diversity in Major Marine Microeukaryote Lineages. <i>PLoS ONE</i> , 2013, 8, e57170.	1.1	54
36	<i>Symbiomonas scintillans</i> gen. et sp. nov. and <i>Picophagus flagellatus</i> gen. et sp. nov. (Heterokonta): Two New Heterotrophic Flagellates of Picoplanktonic Size. <i>Protist</i> , 1999, 150, 383-398.	0.6	53

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37	Potential roles for recently discovered chytrid parasites in the dynamics of harmful algal blooms. <i>Fungal Biology Reviews</i> , 2015, 29, 20-33.	1.9	51
38	The Parasitic Dinoflagellates <i>Blastodinium</i> spp. Inhabiting the Gut of Marine, Planktonic Copepods: Morphology, Ecology, and Unrecognized Species Diversity. <i>Frontiers in Microbiology</i> , 2012, 3, 305.	1.5	45
39	Genomic Insights into Processes Driving the Infection of <i>Alexandrium tamarense</i> by the Parasitoid <i>Amoebophrya</i> sp. <i>Eukaryotic Cell</i> , 2014, 13, 1439-1449.	3.4	42
40	Molecular Diversity of the Syndinean Genus <i>Euduboscquella</i> Based on Single-Cell PCR Analysis. <i>Applied and Environmental Microbiology</i> , 2012, 78, 334-345.	1.4	40
41	Ultrastructure of <i>Selenidium pendula</i> , the Type Species of Archigregarines, and Phylogenetic Relations to Other Marine Apicomplexa. <i>Protist</i> , 2016, 167, 339-368.	0.6	40
42	Genetic diversity of Amoebophryidae (Syndiniales) during <i>Alexandrium catenella/tamarense</i> (Dinophyceae) blooms in the Thau lagoon (Mediterranean Sea, France). <i>Research in Microbiology</i> , 2011, 162, 959-968.	1.0	39
43	Protists Within Corals: The Hidden Diversity. <i>Frontiers in Microbiology</i> , 2018, 9, 2043.	1.5	39
44	Phylogenetic and morphological characterisation of the green algae infesting blue mussel <i>Mytilus edulis</i> in the North and South Atlantic oceans. <i>Diseases of Aquatic Organisms</i> , 2008, 81, 231-240.	0.5	39
45	Evidence for parasite-mediated selection during short-lasting toxic algal blooms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161870.	1.2	38
46	A new view on the morphology and phylogeny of eugregarines suggested by the evidence from the gregarine <i>Ancora sagittata</i> (Leuckart, 1860) LabbA©, 1899 (Apicomplexa: Eugregarinida). <i>PeerJ</i> , 2017, 5, e3354.	0.9	29
47	Paralytic shellfish toxin content is related to genomic <i>sxtA4</i> copy number in <i>Alexandrium minutum</i> strains. <i>Frontiers in Microbiology</i> , 2015, 6, 404.	1.5	28
48	Cryptic species in the parasitic <i>Amoebophrya</i> species complex revealed by a polyphasic approach. <i>Scientific Reports</i> , 2020, 10, 2531.	1.6	28
49	Evolutionary processes and cellular functions underlying divergence in <i>Alexandrium minutum</i> . <i>Molecular Ecology</i> , 2016, 25, 5129-5143.	2.0	25
50	Ecological and evolutionary significance of novel protist lineages. <i>European Journal of Protistology</i> , 2016, 55, 4-11.	0.5	25
51	Transcriptomic profiling of <i>Alexandrium fundyense</i> during physical interaction with or exposure to chemical signals from the parasite <i>Amoebophrya</i> . <i>Molecular Ecology</i> , 2016, 25, 1294-1307.	2.0	22
52	Does environmental heterogeneity explain temporal $\hat{\alpha}^2$ diversity of small eukaryotic phytoplankton? Example from a tropical eutrophic coastal lagoon. <i>Journal of Plankton Research</i> , 2017, 39, 698-714.	0.8	21
53	CHARACTERIZATION OF THE PARMALES: MUCH MORE THAN THE RESOLUTION OF A TAXONOMIC ENIGMA. <i>Journal of Phycology</i> , 2011, 47, 2-4.	1.0	19
54	Comparative Time-Scale Gene Expression Analysis Highlights the Infection Processes of Two <i>Amoebophrya</i> Strains. <i>Frontiers in Microbiology</i> , 2018, 9, 2251.	1.5	19

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55	From the sxtA4 Gene to Saxitoxin Production: What Controls the Variability Among <i>Alexandrium minutum</i> and <i>Alexandrium pacificum</i> Strains?. <i>Frontiers in Microbiology</i> , 2021, 12, 613199.	1.5	19
56	Significance of Plankton Community Structure and Nutrient Availability for the Control of Dinoflagellate Blooms by Parasites: A Modeling Approach. <i>PLoS ONE</i> , 2015, 10, e0127623.	1.1	18
57	Fine structure and Molecular Phylogenetic Position of Two Marine Gregarines, <i>Selenidium pygospionis</i> sp. n. and <i>S. pherusa</i> sp. n., with Notes on the Phylogeny of Archigregarinida (Apicomplexa). <i>Protist</i> , 2018, 169, 826-852.	0.6	16
58	First Ultrastructural and Molecular Phylogenetic Evidence from the Blastogregarines, an Early Branching Lineage of Plesiomorphic Apicomplexa. <i>Protist</i> , 2018, 169, 697-726.	0.6	14
59	Identification to species level of live single microalgal cells from plankton samples with matrix-free laser/desorption ionization mass spectrometry. <i>Metabolomics</i> , 2020, 16, 28.	1.4	14
60	Photosymbiosis in Marine Pelagic Environments. , 2016, , 305-332.		13
61	Parasitic infections by Group <sc>II</sc> Syndiniales target selected dinoflagellate host populations within diverse protist assemblages in a model coastal pond. <i>Environmental Microbiology</i> , 2022, 24, 1818-1834.	1.8	13
62	16S rRNA gene-based molecular analysis of mat-forming and accompanying bacteria covering organically-enriched marine sediments underlying a salmon farm in Southern Chile (Calbuco Island). <i>Gayana</i> , 2010, 74, 125-1235.	0.0	10
63	Intracellular development and impact of a marine eukaryotic parasite on its zombified microalgal host. <i>ISME Journal</i> , 2022, 16, 2348-2359.	4.4	10
64	Redescription and phylogenetic analyses of <i>Durchoniella</i> spp. (Ciliophora, Astomatida) associated with the polychaete <i>Cirriformia tentaculata</i> (Montagu, 1808). <i>European Journal of Protistology</i> , 2017, 61, 265-277.	0.5	9
65	Dinophyceae can use exudates as weapons against the parasite <i>Amoebophrya</i> sp. (Syndiniales). <i>ISME Communications</i> , 2021, 1, .	1.7	8
66	Marine gregarine genomes reveal the breadth of apicomplexan diversity with a partially conserved glideosome machinery. <i>BMC Genomics</i> , 2022, 23, .	1.2	7
67	First report of vampyrellid predator-prey dynamics in a marine system. <i>ISME Journal</i> , 2019, 13, 1110-1113.	4.4	6
68	Dinoflagellate Host Chloroplasts and Mitochondria Remain Functional During <i>Amoebophrya</i> Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 600823.	1.5	6
69	Unveiling protist diversity associated with the Pacific oyster <i>Crassostrea gigas</i> using blocking and excluding primers. <i>BMC Microbiology</i> , 2020, 20, 193.	1.3	6
70	A review of the characteristics of the dinoflagellate parasite <i>Ichthyodinium chabelardi</i> and its potential effect on fin fish populations. <i>Marine and Freshwater Research</i> , 2019, 70, 1307.	0.7	4
71	Temperature Affects the Biological Control of Dinoflagellates by the Generalist Parasitoid <i>Parvilucifera rostrata</i> . <i>Microorganisms</i> , 2022, 10, 385.	1.6	4
72	On the trail of ancestors of diatoms. <i>Journal of Phycology</i> , 2014, 50, 975-976.	1.0	0