Laure Guillou

List of Publications by Year
in descending order

72 papers	8,424 citations	87723 38 h-index	85405 71 g-index
77 all docs	77 docs citations	77 times ranked	7031 citing authors

#	Article	IF	Citations
1	Temperature Affects the Biological Control of Dinoflagellates by the Generalist Parasitoid Parvilucifera rostrata. Microorganisms, 2022, 10, 385.	1.6	4
2	Parasitic infections by Group <scp>II</scp> Syndiniales target selected dinoflagellate host populations within diverse protist assemblages in a model coastal pond. Environmental Microbiology, 2022, 24, 1818-1834.	1.8	13
3	Intracellular development and impact of a marine eukaryotic parasite on its zombified microalgal host. ISME Journal, 2022, 16, 2348-2359.	4.4	10
4	Marine gregarine genomes reveal the breadth of apicomplexan diversity with a partially conserved glideosome machinery. BMC Genomics, 2022, 23, .	1.2	7
5	From the sxtA4 Gene to Saxitoxin Production: What Controls the Variability Among Alexandrium minutum and Alexandrium pacificum Strains?. Frontiers in Microbiology, 2021, 12, 613199.	1.5	19
6	Dinophyceae can use exudates as weapons against the parasite Amoebophrya sp. (Syndiniales). ISME Communications, 2021, 1, .	1.7	8
7	Rapid protein evolution, organellar reductions, and invasive intronic elements in the marine aerobic parasite dinoflagellate Amoebophrya spp. BMC Biology, 2021, 19, 1.	1.7	135
8	Dinoflagellate Host Chloroplasts and Mitochondria Remain Functional During Amoebophrya Infection. Frontiers in Microbiology, 2020, 11, 600823.	1.5	6
9	Unveiling protist diversity associated with the Pacific oyster Crassostrea gigas using blocking and excluding primers. BMC Microbiology, 2020, 20, 193.	1.3	6
10	Identification to species level of live single microalgal cells from plankton samples with matrix-free laser/desorption ionization mass spectrometry. Metabolomics, 2020, 16, 28.	1.4	14
11	Cryptic species in the parasitic Amoebophrya species complex revealed by a polyphasic approach. Scientific Reports, 2020, 10, 2531.	1.6	28
12	An aerobic eukaryotic parasite with functional mitochondria that likely lacks a mitochondrial genome. Science Advances, 2019, 5, eaav1110.	4.7	76
13	First report of vampyrellid predatorâ€“prey dynamics in a marine system. ISME Journal, 2019, 13, 1110-1113.	4.4	6
14	Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. Journal of Eukaryotic Microbiology, 2019, 66, 4-119.	0.8	904
15	A review of the characteristics of the dinoflagellate parasite Ichthyodinium chabelardi and its potential effect on fin fish populations. Marine and Freshwater Research, 2019, 70, 1307.	0.7	4
16	First Ultrastructural and Molecular Phylogenetic Evidence from the Blastogregarines, an Early Branching Lineage of Plesiomorphic Apicomplexa. Protist, 2018, 169, 697-726.	0.6	14
17	Fine structure and Molecular Phylogenetic Position of Two Marine Gregarines, Selenidium pygospionis sp. n. and S. pherusae sp. n., with Notes on the Phylogeny of Archigregarinida (Apicomplexa). Protist, 2018, 169, 826-852.	0.6	16
18	Comparative Time-Scale Gene Expression Analysis Highlights the Infection Processes of Two Amoebophrya Strains. Frontiers in Microbiology, 2018, 9, 2251.	1.5	19

#	Article	IF	Citations
19	EukRef: Phylogenetic curation of ribosomal RNA to enhance understanding of eukaryotic diversity and distribution. PLoS Biology, 2018, 16, e2005849.	2.6	101
20	Protists Within Corals: The Hidden Diversity. Frontiers in Microbiology, 2018, 9, 2043.	1.5	39
21	Does environmental heterogeneity explain temporal Î² diversity of small eukaryotic phytoplankton? Example from a tropical eutrophic coastal lagoon. Journal of Plankton Research, 2017, 39, 698-714.	0.8	21
22	Redescription and phylogenetic analyses of Durchoniella spp. (Ciliophora, Astomatida) associated with the polychaete Cirriformia tentaculata (Montagu, 1808). European Journal of Protistology, 2017, 61, 265-277.	0.5	9
23	A new view on the morphology and phylogeny of eugregarines suggested by the evidence from the gregarineAncora sagittata(Leuckart, 1860) LabbÃ©, 1899 (Apicomplexa: Eugregarinida). PeerJ, 2017, 5, e3354.	0.9	29
24	Transcriptomic profiling of Alexandrium fundyense during physical interaction with or exposure to chemical signals from the parasite Amoebophrya. Molecular Ecology, 2016, 25, 1294-1307.	2.0	22
25	Evolutionary processes and cellular functions underlying divergence in Alexandrium minutum. Molecular Ecology, 2016, 25, 5129-5143.	2.0	25
26	Evidence for parasite-mediated selection during short-lasting toxic algal blooms. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161870.	1.2	38
27	Photosymbiosis in Marine Pelagic Environments. , 2016, , 305-332.		13
28	Ultrastructure of Selenidium pendula, the Type Species of Archigregarines, and Phylogenetic Relations to Other Marine Apicomplexa. Protist, 2016, 167, 339-368.	0.6	40
29	Ecological impacts of parasitic chytrids, syndiniales and perkinsids on populations of marine photosynthetic dinoflagellates. Fungal Ecology, 2016, 19, 47-58.	0.7	73
30	Ecological and evolutionary significance of novel protist lineages. European Journal of Protistology, 2016, 55, 4-11.	0.5	25
31	Zoosporic parasites infecting marine diatoms â€“ A black box that needs to be opened. Fungal Ecology, 2016, 19, 59-76.	0.7	109
32	Marine protist diversity in <scp>E</scp>uropean coastal waters and sediments as revealed by highâ€throughput sequencing. Environmental Microbiology, 2015, 17, 4035-4049.	1.8	384
33	Phyto<scp>REF</scp>: a reference database of the plastidial 16S <scp>rRNA</scp> gene of photosynthetic eukaryotes with curated taxonomy. Molecular Ecology Resources, 2015, 15, 1435-1445.	2.2	198
34	Paralytic shellfish toxin content is related to genomic sxtA4 copy number in Alexandrium minutum strains. Frontiers in Microbiology, 2015, 6, 404.	1.5	28
35	Potential roles for recently discovered chytrid parasites in the dynamics of harmful algal blooms. Fungal Biology Reviews, 2015, 29, 20-33.	1.9	51
36	Significance of Plankton Community Structure and Nutrient Availability for the Control of Dinoflagellate Blooms by Parasites: A Modeling Approach. PLoS ONE, 2015, 10, e0127623.	1.1	18

#	Article	IF	Citations
37	On the trail of ancestors of diatoms. Journal of Phycology, 2014, 50, 975-976.	1.0	0
38	Genomic Insights into Processes Driving the Infection of Alexandrium tamarense by the Parasitoid Amoebophrya sp. Eukaryotic Cell, 2014, 13, 1439-1449.	3.4	42
39	Dinomyces arenysensis gen. et sp. nov. (Rhizophydiales, Dinomycetaceae fam. nov.), a Chytrid Infecting Marine Dinoflagellates. Protist, 2014, 165, 230-244.	0.6	102
40	Parvilucifera rostrata sp. nov. (Perkinsozoa), a Novel Parasitoid that Infects Planktonic Dinoflagellates. Protist, 2014, 165, 31-49.	0.6	69
41	General Patterns of Diversity in Major Marine Microeukaryote Lineages. PLoS ONE, 2013, 8, e57170.	1.1	54
42	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.	6.5	1,463
43	Molecular Diversity of the Syndinean Genus Euduboscquella Based on Single-Cell PCR Analysis. Applied and Environmental Microbiology, 2012, 78, 334-345.	1.4	40
44	The Parasitic Dinoflagellates Blastodinium spp. Inhabiting the Gut of Marine, Planktonic Copepods: Morphology, Ecology, and Unrecognized Species Diversity. Frontiers in Microbiology, 2012, 3, 305.	1.5	45
45	Genetic diversity of Amoebophryidae (Syndiniales) during Alexandrium catenella/tamarense (Dinophyceae) blooms in the Thau lagoon (Mediterranean Sea, France). Research in Microbiology, 2011, 162, 959-968.	1.0	39
46	Eukaryotic Richness in the Abyss: Insights from Pyrotag Sequencing. PLoS ONE, 2011, 6, e18169.	1.1	207
47	CHARACTERIZATION OF THE PARMALES: MUCH MORE THAN THE RESOLUTION OF A TAXONOMIC ENIGMA. Journal of Phycology, 2011, 47, 2-4.	1.0	19
48	Interplay Between the Parasite Amoebophrya sp. (Alveolata) and the Cyst Formation of the Red Tide Dinoflagellate Scrippsiella trochoidea. Protist, 2011, 162, 637-649.	0.6	64
49	Validation and Application of a PCR Primer Set to Quantify Fungal Communities in the Soil Environment by Real-Time Quantitative PCR. PLoS ONE, 2011, 6, e24166.	1.1	198
50	Comparative analysis between protist communities from the deepâ€sea pelagic ecosystem and specific deep hydrothermal habitats. Environmental Microbiology, 2010, 12, 2946-2964.	1.8	80
51	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). Gayana, 2010, 74, 125-1235.	0.0	10
52	Wide genetic diversity of picoplanktonic green algae (Chloroplastida) in the Mediterranean Sea uncovered by a phylumâ€biased PCR approach. Environmental Microbiology, 2008, 10, 1804-1822.	1.8	112
53	Widespread occurrence and genetic diversity of marine parasitoids belonging to Syndiniales (Alveolata). Environmental Microbiology, 2008, 10, 3349-3365.	1.8	511
54	Control of Toxic Marine Dinoflagellate Blooms by Serial Parasitic Killers. Science, 2008, 322, 1254-1257.	6.0	322

#	Article	IF	Citations
55	Phylogenetic and morphological characterisation of the green algae infesting blue musselMytilus edulisin the North and South Atlantic oceans. Diseases of Aquatic Organisms, 2008, 81, 231-240.	0.5	39
56	Ecotype diversity in the marine picoeukaryote Ostreococcus (Chlorophyta, Prasinophyceae). Environmental Microbiology, 2005, 7, 853-859.	1.8	185
57	Phylogenetic and Ecological Analysis of Novel Marine Stramenopiles. Applied and Environmental Microbiology, 2004, 70, 3528-3534.	1.4	321
58	PIGMENT SUITES AND TAXONOMIC GROUPS IN PRASINOPHYCEAE. Journal of Phycology, 2004, 40, 1149-1155.	1.0	99
59	Diversity of Picoplanktonic Prasinophytes Assessed by Direct Nuclear SSU rDNA Sequencing of Environmental Samples and Novel Isolates Retrieved from Oceanic and Coastal Marine Ecosystems. Protist, 2004, 155, 193-214.	0.6	235
60	Picoeukaryotic diversity in an oligotrophic coastal site studied by molecular and culturing approaches. FEMS Microbiology Ecology, 2004, 50, 231-243.	1.3	204
61	Phylogenetic analysis of the â€˜Nannochloris-likeâ€™ algae and diagnoses of Picochlorum oklahomensis gen. et sp. nov. (Trebouxiophyceae, Chlorophyta). Phycologia, 2004, 43, 641-652.	0.6	139
62	The Roscoff Culture Collection (RCC): a collection dedicated to marine picoplankton. Nova Hedwigia, 2004, 79, 49-70.	0.2	71
63	Unveiling the Organisms behind Novel Eukaryotic Ribosomal DNA Sequences from the Ocean. Applied and Environmental Microbiology, 2002, 68, 4554-4558.	1.4	176
64	Diel variations in Prochlorococcus optical properties. Limnology and Oceanography, 2002, 47, 1637-1647.	1.6	75
65	Genetic Diversity and Molecular Detection of Three Toxic Dinoflagellate Genera and from French Coasts. Protist, 2002, 153, 223-238.	0.6	132
66	Oligonucleotide Probes for the Identification of Three Algal Groups by Dot Blot and Fluorescent Whole-Cell Hybridization. Journal of Eukaryotic Microbiology, 2000, 47, 76-84.	0.8	142
67	Abundance and diversity of prymnesiophytes in the picoplankton coÎ¼munity from the equatorial Pacific Ocean inferred from 18S rDNA sequences. Limnology and Oceanography, 2000, 45, 98-109.	1.6	208
68	BOLIDOMONAS: A NEW GENUS WITH TWO SPECIES BELONGING TO A NEW ALGAL CLASS, THE BOLIDOPHYCEAE (HETEROKONTA). Journal of Phycology, 1999, 35, 368-381.	1.0	225
69	Symbiomonas scintillans gen. et sp. nov. and Picophagus flagellatus gen. et sp. nov. (Heterokonta): Two New Heterotrophic Flagellates of Picoplanktonic Size. Protist, 1999, 150, 383-398.	0.6	53
70	Diversity and Abundance of Bolidophyceae (Heterokonta) in Two Oceanic Regions. Applied and Environmental Microbiology, 1999, 65, 4528-4536.	1.4	72
71	PHYLOGENETIC ANALYSIS AND GENOME SIZE OF OSTREOCOCCUS TAURI (CHLOROPHYTA,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	72
72	IDENTIFICATION OF THE CLASS PRYMNESIOPHYCEAE AND THE GENUS PHAEOCYSTIS WITH RIBOSOMAL RNA-TARGETED NUCLEIC ACID PROBES DETECTED BY FLOW CYTOMETRY1. Journal of Phycology, 1996, 32, 858-868.	1.0	82