RESEARCH & PUBLICATIONS

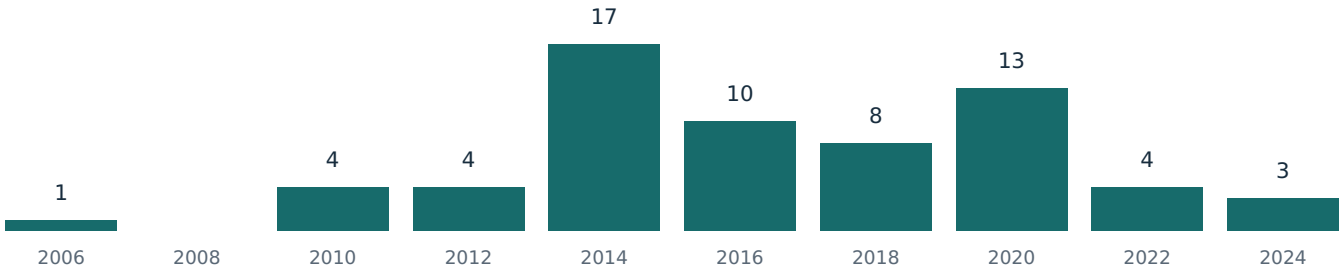
Frédéric Mahé

A publication record at a glance

64	18,375	34
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

VSEARCH: A Versatile Open Source Tool for Metagenomics — 9,202
2016 PeerJ

The Protist Ribosomal Reference Database (PR2): A Catalog of Unicellular Eukaryote Small Sub-Unit rRNA Sequences With Curated Taxonomy. — 2,096
2013 Nucleic Acids Research

Eukaryotic Plankton Diversity in the Sunlit Ocean — 1,730
2015 Science

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Ordered by publication year, newest first

2025

01 NanoASV: A Snakemake Workflow for Reproducible Field-Based Nanopore Full-Length 16S Metabarcoding Amplicon Data Analysis — 3 citations

Bioinformatics

https://exaly.com/article/199105881

2024

02 O Short-Branch Microsporidia, Where Art Thou? Identifying Diversity Hotspots for Future Sampling — 4 citations

European Journal of Protistology · 96, 126119

https://exaly.com/article/193145140

03 How Marine Are Marine Stramenopiles (MAST)? A Cross-System Evaluation. — 12 citations

FEMS Microbiology Ecology

https://exaly.com/article/193555663

2023

04 Interpreting Phylogenetic Placements for Taxonomic Assignment of Environmental DNA — 5 citations

Journal of Eukaryotic Microbiology · 70, e12990

https://exaly.com/article/165183001

2022

05 pr2-Primers: An 18S rRNA Primer Database for Protists. — 130 citations

Molecular Ecology Resources · 22, 168-179

https://exaly.com/article/81350436

06 Fruit Fly Phylogeny Imprints Bacterial Gut Microbiota — 16 citations

Evolutionary Applications · 15, 1621-1638

https://exaly.com/article/125083394

07 Seasonal Dynamics of Marine Protist Communities in Tidally Mixed Coastal Waters — 43 citations

Molecular Ecology · 31, 3761-3783

https://exaly.com/article/145942127

2021

08 The Windblown: Possible Explanations for Dinophyte DNA in Forest Soils — 12 citations

Journal of Eukaryotic Microbiology · 68, e12833

https://exaly.com/article/77895336

Ordered by publication year, newest first

2021 / continued

09 **Identifying Potential Hosts of Short-Branch Microsporidia** — 13 citations
Microbial Ecology · 82, 549-553
https://exaly.com/article/78282748

10 **metaXplor: An Interactive Viral and Microbial Metagenomic Data Manager.** — 7 citations
GigaScience
https://exaly.com/article/78781550

11 **Temporal Recovery of Soil Biological Activity and Diversity After 915-MHz Microwave Treatments** — 1 citations
Biology and Fertility of Soils · 57, 603-616
https://exaly.com/article/79329488

12 **High and Specific Diversity of Protists in the Deep-Sea Basins Dominated by Diplonemids, Kinetoplastids, Ciliates and Foraminiferans** — 55 citations
Communications Biology · 4, 1-10
https://exaly.com/article/80040651

13 **Swarm v3: Towards Tera-Scale Amplicon Clustering** — 118 citations
Bioinformatics · 38, 267-269
https://exaly.com/article/81363241

14 **Genetic Variation in Host-Specific Competitiveness of the Symbiont Rhizobium leguminosarum Symbiovar Viciae** — 16 citations
Frontiers in Plant Science · 12, 719987
https://exaly.com/article/82012776

15 **Periodontitis Associates With Species-Specific Gene Expression of the Oral Microbiota** — 60 citations
Npj Biofilms and Microbiomes · 7, 1-10
https://exaly.com/article/82244603

2020

16 **Diversity and Dynamics of Relevant Nanoplanktonic Diatoms in the Western English Channel** — 26 citations
ISME Journal · 14, 1966-1981
https://exaly.com/article/76626660

17 **Heterogeneity of the Rice Microbial Community of the Chinese Centuries-Old Honghe Hani Rice Terraces System** — 12 citations
Environmental Microbiology · 22, 3429-3445
https://exaly.com/article/76872939

Ordered by publication year, newest first

2020 / continued

18 Controlled Sampling of Ribosomally Active Protistan Diversity in Sediment-Surface Layers Identifies Putative Players in the Marine Carbon Sink
28 citations
ISME Journal · 14, 984-998
https://exaly.com/article/77242923

19 The Belowground Bacterial and Fungal Communities Differed in Their Significance as Microbial Indicator of Moroccan Carob Habitats
7 citations
Ecological Indicators · 114, 106341
https://exaly.com/article/77536932

20 The Repetitive Content in Lupin Genomes
3 citations
Compendium of Plant Genomes
https://exaly.com/article/83517700

2019

21 Global Trends in Marine Plankton Diversity Across Kingdoms of Life
383 citations
Cell · 179, 1084-1097.e21
https://exaly.com/article/72431161

22 How Deep Can Ectomycorrhizas Go? A Case Study on Pisolithus Down to 4 Meters in a Brazilian Eucalypt Plantation
29 citations
Mycorrhiza · 29, 637-648
https://exaly.com/article/74166120

23 The Rhizosphere Microbiome: A Key Component of Sustainable Cork Oak Forests in Trouble
29 citations
Forest Ecology and Management · 434, 29-39
https://exaly.com/article/74533973

2018

24 Clarifying the Relationships Between Microsporidia and Cryptomycota
112 citations
Journal of Eukaryotic Microbiology · 65, 773-782
https://exaly.com/article/68922760

25 Surface Ocean Metabarcoding Confirms Limited Diversity in Planktonic Foraminifera but Reveals Unknown Hyper-Abundant Lineages
24 citations
Scientific Reports · 8, 1-10
https://exaly.com/article/69088253

26 Worldwide Occurrence and Activity of the Reef-Building Coral Symbiont Symbiodinium in the Open Ocean
56 citations
Current Biology · 28, 3625-3633.e3
https://exaly.com/article/70459566

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2018 / continued

27 Consistent Patterns of High Alpha and Low Beta Diversity in Tropical Parasitic and Free-Living Protists
38 citations
Molecular Ecology · 27, 2846-2857
https://exaly.com/article/71106593

28 Transcriptome Profiles of Nod Factor-Independent Symbiosis in the Tropical Legume Aeschynomene evenia
41 citations
Scientific Reports · 8, 1-12
https://exaly.com/article/71487442

2017

29 UniEuk: Time to Speak a Common Language in Protistology!
68 citations
Journal of Eukaryotic Microbiology · 64, 407-411
https://exaly.com/article/66598604

30 Parasites Dominate Hyperdiverse Soil Protist Communities in Neotropical Rainforests
282 citations
Nature Ecology and Evolution · 1, 1-8
https://exaly.com/article/66703764

31 Yeasts Dominate Soil Fungal Communities in Three Lowland Neotropical Rainforests
14 citations
Environmental Microbiology Reports · 9, 668-675
https://exaly.com/article/67300763

32 Meiotic Genes in Colpodean Ciliates Support Secretive Sexuality.
11 citations
Genome Biology and Evolution · 9, 1781-1787
https://exaly.com/article/68446007

33 Habitat- and Soil-Related Drivers of the Root-Associated Fungal Community of Quercus suber in the Northern Moroccan Forest
25 citations
PLoS ONE · 12, e0187758
https://exaly.com/article/68463430

2016

34 Global Patterns of Pelagic Dinoflagellate Diversity Across Protist Size Classes Unveiled by Metabarcoding
121 citations
Environmental Microbiology · 18, 609-626
https://exaly.com/article/63444851

35 Benthic Protists: The Under-Charted Majority.
102 citations
FEMS Microbiology Ecology · 92, fiw120
https://exaly.com/article/65080601

Ordered by publication year, newest first

2016 / continued

36 Open-Source Sequence Clustering Methods Improve the State of the Art. 161 citations
MSystems
https://exaly.com/article/65599589

37 Comparison of Three Clustering Approaches for Detecting Novel Environmental Microbial Diversity 28 citations
PeerJ · 4, e1692
https://exaly.com/article/90751814

38 VSEARCH: A Versatile Open Source Tool for Metagenomics 9,202 citations
PeerJ · 4, e2584
https://exaly.com/article/90752800

2015

39 Molecular Diversity and Distribution of Marine Fungi Across 130 European Environmental Samples. 169 citations
Proceedings of the Royal Society B: Biological Sciences · 282, 20152243
https://exaly.com/article/60114088

40 Marine Protist Diversity in European Coastal Waters and Sediments as Revealed by High-Throughput Sequencing 371 citations
Environmental Microbiology · 17, 4035-4049
https://exaly.com/article/60713535

41 PFR2: A Curated Database of Planktonic Foraminifera 18S Ribosomal DNA as a Resource for Studies of Plankton Ecology, Biogeography and Evolution 65 citations
Molecular Ecology Resources · 15, 1472-1485
https://exaly.com/article/60714284

42 Swarm v2: Highly-Scalable and High-Resolution Amplicon Clustering 529 citations
PeerJ · 3, e1420
https://exaly.com/article/61139964

43 Eukaryotic Plankton Diversity in the Sunlit Ocean 1,730 citations
Science · 348, 1261605
https://exaly.com/article/61212299

44 Deep Sequencing Uncovers Protistan Plankton Diversity in the Portuguese Ria Formosa Solar Saltern Ponds 44 citations
Extremophiles · 19, 283-295
https://exaly.com/article/62812783

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2015 / continued

45 Comparing High-Throughput Platforms for Sequencing the V4 Region of SSU-rDNA in Environmental Microbial Eukaryotic Diversity Surveys
51 citations
Journal of Eukaryotic Microbiology · 62, 338-345
https://exaly.com/article/62872216

46 Swarm v2: Highly-Scalable and High-Resolution Amplicon Clustering
9 citations
PeerJ Preprints
https://exaly.com/article/108298511

47 Swarm v2: Highly-Scalable and High-Resolution Amplicon Clustering
0 citations
PeerJ Preprints
https://exaly.com/article/108305326

48 Comparison of Three Clustering Approaches for Detecting Novel Environmental Microbial Diversity
0 citations
PeerJ Preprints
https://exaly.com/article/108507943

2014

49 Intracellular Diversity of the V4 and V9 Regions of the 18S rRNA in Marine Protists (Radiolarians) Assessed by High-Throughput Sequencing
94 citations
PLoS ONE · 9, e104297
https://exaly.com/article/57407839

50 Swarm: Robust and Fast Clustering Method for Amplicon-Based Studies
864 citations
PeerJ · 2, e593
https://exaly.com/article/57470755

51 Meiosis Gene Inventory of Four Ciliates Reveals the Prevalence of a Synaptonemal Complex-Independent Crossover Pathway.
36 citations
Molecular Biology and Evolution · 31, 660-72
https://exaly.com/article/57669724

52 Patterns of Rare and Abundant Marine Microbial Eukaryotes
484 citations
Current Biology · 24, 813-821
https://exaly.com/article/58807772

53 Placing Environmental Next-Generation Sequencing Amplicons From Microbial Eukaryotes Into a Phylogenetic Context.
94 citations
Molecular Biology and Evolution · 31, 993-1009
https://exaly.com/article/59101571

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2014 / continued

54 **Ciliates and the Rare Biosphere: A Review** — 48 citations
Journal of Eukaryotic Microbiology · 61, 404-409
https://exaly.com/article/59731401

55 **Swarm: Robust and Fast Clustering Method for Amplicon-Based Studies** — 17 citations
PeerJ Preprints
https://exaly.com/article/90672204

2013

56 **The Protist Ribosomal Reference Database (PR2): A Catalog of Unicellular Eukaryote Small Sub-Unit rRNA Sequences With Curated Taxonomy.** — 2,096 citations
Nucleic Acids Research · 41, D597-604
https://exaly.com/article/52324053

57 **Vampires in the Oceans: Predatory Cercozoan Amoebae in Marine Habitats** — 93 citations
ISME Journal · 7, 2387-2399
https://exaly.com/article/55121044

58 **Diversity, Ecology and Biogeochemistry of Cyst-Forming Acantharia (Radiolaria) in the Oceans** — 85 citations
PLoS ONE · 8, e53598
https://exaly.com/article/86989320

2012

59 **Molecular Phylogeny and Morphological Evolution of the Acantharia (Radiolaria)** — 75 citations
Protist · 163, 435-450
https://exaly.com/article/54623628

2011

60 **Isolation, Phylogeny and Evolution of the SymRK Gene in the Legume Genus Lupinus L.** — 15 citations
Molecular Phylogenetics and Evolution · 60, 49-61
https://exaly.com/article/51023430

61 **New Data and Phylogenetic Placement of the Enigmatic Old World Lupin: Lupinus Mariae-Josephi H. Pascual** — 26 citations
Genetic Resources and Crop Evolution · 58, 101-114
https://exaly.com/article/51259451

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2011 / continued

62 **Assignment of 3 Genetic Linkage Groups to 3 Chromosomes of Narrow-Leafed Lupin.**

29 citations

Journal of Heredity · 102, 228-36

https://exaly.com/article/52229383

2010

63 **Transcriptome Divergence Between the Hexaploid Salt-Marsh Sister Species Spartina maritima and Spartina alterniflora (Poaceae)**

42 citations

Molecular Ecology · 19, 2050-2063

https://exaly.com/article/48489321

2006

64 **Browsing Repeats in Genomes: Pygram and an Application to Non-Coding Region Analysis**

12 citations

BMC Bioinformatics · 7, 1-17

https://exaly.com/article/40813002

End of list · 64 articles. Citation counts use Exaly’s peer-reviewed cohort.