

# Hervé Moreau

## List of Publications by Year in descending order

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43  
papers

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citations

172457

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254184

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Genome analysis of the smallest free-living eukaryote <i>Ostreococcus tauri</i> unveils many unique features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11647-11652.	7.1	809
2	Phylogeny and Molecular Evolution of the Green Algae. <i>Critical Reviews in Plant Sciences</i> , 2012, 31, 1-46.	5.7	723
3	Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes <i>Micromonas</i> . <i>Science</i> , 2009, 324, 268-272.	12.6	591
4	The tiny eukaryote <i>Ostreococcus</i> provides genomic insights into the paradox of plankton speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7705-7710.	7.1	563
5	Ecotype diversity in the marine picoeukaryote <i>Ostreococcus</i> (Chlorophyta, Prasinophyceae). <i>Environmental Microbiology</i> , 2005, 7, 853-859.	3.8	185
6	Exploring nucleo-cytoplasmic large DNA viruses in Tara Oceans microbial metagenomes. <i>ISME Journal</i> , 2013, 7, 1678-1695.	9.8	185
7	An original adaptation of photosynthesis in the marine green alga <i>Ostreococcus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7881-7886.	7.1	154
8	Gene functionalities and genome structure in <i>Bathycoccus prasinos</i> reflect cellular specializations at the base of the green lineage. <i>Genome Biology</i> , 2012, 13, R74.	9.6	143
9	Life-Cycle and Genome of OtV5, a Large DNA Virus of the Pelagic Marine Unicellular Green Alga <i>Ostreococcus tauri</i> . <i>PLoS ONE</i> , 2008, 3, e2250.	2.5	107
10	The Complete Chloroplast and Mitochondrial DNA Sequence of <i>Ostreococcus tauri</i> : Organelle Genomes of the Smallest Eukaryote Are Examples of Compaction. <i>Molecular Biology and Evolution</i> , 2007, 24, 956-968.	8.9	106
11	An improved genome of the model marine alga <i>Ostreococcus tauri</i> unfolds by assessing Illumina de novo assemblies. <i>BMC Genomics</i> , 2014, 15, 1103.	2.8	90
12	Marine Prasinovirus Genomes Show Low Evolutionary Divergence and Acquisition of Protein Metabolism Genes by Horizontal Gene Transfer. <i>Journal of Virology</i> , 2010, 84, 12555-12563.	3.4	87
13	picoPLAZA, a genome database of microbial photosynthetic eukaryotes. <i>Environmental Microbiology</i> , 2013, 15, 2147-2153.	3.8	87
14	Cryptic Sex in the Smallest Eukaryotic Marine Green Alga. <i>Molecular Biology and Evolution</i> , 2010, 27, 47-54.	8.9	81
15	Starch Division and Partitioning. A Mechanism for Granule Propagation and Maintenance in the Picophytoplanktonic Green Alga <i>Ostreococcus tauri</i> . <i>Plant Physiology</i> , 2004, 136, 3333-3340.	4.8	80
16	Host-derived viral transporter protein for nitrogen uptake in infected marine phytoplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7489-E7498.	7.1	74
17	Population genomics of picophytoplankton unveils novel chromosome hypervariability. <i>Science Advances</i> , 2017, 3, e1700239.	10.3	73
18	Acquisition and maintenance of resistance to viruses in eukaryotic phytoplankton populations. <i>Environmental Microbiology</i> , 2011, 13, 1412-1420.	3.8	70

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19	New Insights into the Nature and Phylogeny of Prasinophyte Antenna Proteins: <i>Ostreococcus tauri</i> , a Case Study. <i>Molecular Biology and Evolution</i> , 2005, 22, 2217-2230.	8.9	69
20	Genome-Wide Analysis of Core Cell Cycle Genes in the Unicellular Green Alga <i>Ostreococcus tauri</i> . <i>Molecular Biology and Evolution</i> , 2005, 22, 589-597.	8.9	64
21	How and Why DNA Barcodes Underestimate the Diversity of Microbial Eukaryotes. <i>PLoS ONE</i> , 2011, 6, e16342.	2.5	62
22	Morphology, Genome Plasticity, and Phylogeny in the Genus <i>Ostreococcus</i> Reveal a Cryptic Species, <i>O. mediterraneus</i> sp. nov. (Mamiellales, Mamiellophyceae). <i>Protist</i> , 2013, 164, 643-659.	1.5	48
23	DNA LIBRARIES FOR SEQUENCING THE GENOME OF <i>Ostreococcus tauri</i> (CHLOROPHYTA). <i>Trends in Microbiology</i> , 2007, 15, 1150-1156.	2.3	42
24	Prasinovirus Attack of <i>Ostreococcus</i> Is Furtive by Day but Savage by Night. <i>Journal of Virology</i> , 2018, 92, .	3.4	42
25	Clues about the Genetic Basis of Adaptation Emerge from Comparing the Proteomes of Two <i>Ostreococcus</i> Ecotypes (Chlorophyta, Prasinophyceae). <i>Molecular Biology and Evolution</i> , 2008, 25, 2293-2300.	8.9	39
26	A Viral Immunity Chromosome in the Marine Picoeukaryote, <i>Ostreococcus tauri</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005965.	4.7	38
27	Natural Synchronisation for the Study of Cell Division in the Green Unicellular Alga <i>Ostreococcus tauri</i> . <i>Plant Molecular Biology</i> , 2006, 60, 277-292.	3.9	36
28	Genome Analyses of the Microalga <i>Picochlorum</i> Provide Insights into the Evolution of Thermotolerance in the Green Lineage. <i>Genome Biology and Evolution</i> , 2018, 10, 2347-2365.	2.5	36
29	Phylogenetic analysis of new Prasinoviruses ( <i>Phycodnaviridae</i> ) that infect the green unicellular algae <i>Ostreococcus</i> , <i>Bathycoccus</i> and <i>Micromonas</i> . <i>Environmental Microbiology Reports</i> , 2009, 1, 114-123.	2.4	35
30	Diversity of Viruses Infecting the Green Microalga <i>Ostreococcus lucimarinus</i> . <i>Journal of Virology</i> , 2015, 89, 5812-5821.	3.4	35
31	Picoeukaryotic sequences in the Sargasso Sea metagenome. <i>Genome Biology</i> , 2008, 9, R5.	9.6	34
32	Genome diversity in the smallest marine photosynthetic eukaryotes. <i>Research in Microbiology</i> , 2011, 162, 570-577.	2.1	33
33	Abundance, spatial distribution and genetic diversity of <i>Ostreococcus tauri</i> viruses in two different environments. <i>Environmental Microbiology Reports</i> , 2010, 2, 313-321.	2.4	32
34	Virus-host coexistence in phytoplankton through the genomic lens. <i>Science Advances</i> , 2020, 6, eaay2587.	10.3	30
35	Screening the Sargasso Sea metagenome for data to investigate genome evolution in <i>Ostreococcus</i> (Prasinophyceae, Chlorophyta). <i>Gene</i> , 2007, 406, 184-190.	2.2	28
36	Evolution of Codon Usage in the Smallest Photosynthetic Eukaryotes and Their Giant Viruses. <i>Genome Biology and Evolution</i> , 2013, 5, 848-859.	2.5	24

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37	Prasinovirus distribution in the Northwest Mediterranean Sea is affected by the environment and particularly by phosphate availability. <i>Virology</i> , 2014, 466-467, 146-157.	2.4	17
38	Genomics of Algal Host-Virus Interactions. <i>Advances in Botanical Research</i> , 2012, , 343-381.	1.1	15
39	Simplified Transformation of <i>Ostreococcus tauri</i> Using Polyethylene Glycol. <i>Genes</i> , 2019, 10, 399.	2.4	14
40	<i>Mantoniella beaufortii</i> and <i>Mantoniella baffinensis</i> sp. nov. (Mamiellales.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (Mantoniellales). <i>Phycology</i> , 2020, 56, 37-51.	2.3	14
41	Unravelling cis-Regulatory Elements in the Genome of the Smallest Photosynthetic Eukaryote: Phylogenetic Footprinting in <i>Ostreococcus</i> . <i>Journal of Molecular Evolution</i> , 2009, 69, 249-259.	1.8	10
42	Rapidity of Genomic Adaptations to Prasinovirus Infection in a Marine Microalga. <i>Viruses</i> , 2018, 10, 441.	3.3	10
43	Strategies and mechanisms of resistance to viruses in photosynthetic aquatic microorganisms. <i>Advances in Oceanography and Limnology</i> , 2012, 3, 1-15.	0.6	5