Bernard Goffinet

List of Publications by Year
in descending order

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113 papers	4,705 citations	109321 35 h-index	123424 61 g-index
123 all docs	123 docs citations	123 times ranked	3654 citing authors

#	Article	IF	Citations
1	HybPiper: Extracting coding sequence and introns for phylogenetics from highâ€throughput sequencing reads using target enrichment. Applications in Plant Sciences, 2016, 4, 1600016.	2.1	506
2	The hornwort genome and early land plant evolution. Nature Plants, 2020, 6, 107-118.	9.3	203
3	The Moss Physcomitrium (Physcomitrella patens: A Model Organism for Non-Seed Plants. Plant Cell, 2020, 32, 1361-1376.	6.6	188
4	Phylogenetic generic classification of parmelioid lichens (Parmeliaceae, Ascomycota) based on molecular, morphological and chemical evidence. Taxon, 2010, 59, 1735-1753.	0.7	178
5	Resolution of the ordinal phylogeny of mosses using targeted exons from organellar and nuclear genomes. Nature Communications, 2019, 10, 1485.	12.8	144
6	Evolution of the Major Moss Lineages: Phylogenetic Analyses Based on Multiple Gene Sequences and Morphology. Bryologist, 2000, 103, 187-211.	0.6	119
7	Testing Morphological Concepts of Orders of Pleurocarpous Mosses (Bryophyta) Using Phylogenetic Reconstructions Based on TRNL-TRNF and RPS4 Sequences. Molecular Phylogenetics and Evolution, 2000, 16, 180-198.	2.7	108
8	Functional Gene Losses Occur with Minimal Size Reduction in the Plastid Genome of the Parasitic Liverwort Aneura mirabilis. Molecular Biology and Evolution, 2008, 25, 393-401.	8.9	108
9	Mitochondrial Phylogenomics of Early Land Plants: Mitigating the Effects of Saturation, Compositional Heterogeneity, and Codon-Usage Bias. Systematic Biology, 2014, 63, 862-878.	5.6	108
10	Phylogenetic Relationships among the Mosses Based on Heterogeneous Bayesian Analysis of Multiple Genes from Multiple Genomic Compartments. Systematic Botany, 2004, 29, 234-250.	0.5	107
11	First evidence of bryophyte diaspores in the plumage of transequatorial migrant birds. PeerJ, 2014, 2, e424.	2.0	94
12	350 My of Mitochondrial Genome Stasis in Mosses, an Early Land Plant Lineage. Molecular Biology and Evolution, 2014, 31, 2586-2591.	8.9	89
13	Changing lenses to assess biodiversity: patterns of species richness in sub-Antarctic plants and implications for global conservation. Frontiers in Ecology and the Environment, 2008, 6, 131-137.	4.0	88
14	Phylogenetic Relationships Among the Diplolepideous-alternate Mosses (Bryidae) Inferred from Nuclear and Chloroplast DNA Sequences. Bryologist, 2000, 103, 224-241.	0.6	87
15	The Bryophyta (Mosses): Systematic and Evolutionary Inferences from an rps4 Gene (cpDNA) Phylogeny. Annals of Botany, 2001, 87, 191-208.	2.9	84
16	Global patterns of moss diversity: taxonomic and molecular inferences. Taxon, 2005, 54, 337-352.	0.7	80
17	The Cycas genome and the early evolution of seed plants. Nature Plants, 2022, 8, 389-401.	9.3	80
18	Integrative taxonomy successfully resolves the pseudoâ€cryptic complex of the disjunct epiphytic moss Orthotrichum consimile s.l. (Orthotrichaceae). Taxon, 2012, 61, 1180-1198.	0.7	75

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19	Direct longâ€distance dispersal shapes a New World amphitropical disjunction in the dispersalâ€limited dung moss Tetraplodon (Bryopsida: Splachnaceae). Journal of Biogeography, 2014, 41, 2385-2395.	3.0	75
20	Phylogenomic delineation of Physcomitrium (Bryophyta: Funariaceae) based on targeted sequencing of nuclear exons and their flanking regions rejects the retention of Physcomitrella, Physcomitridium and Aphanorrhegma. Journal of Systematics and Evolution, 2019, 57, 404-417.	3.1	74
21	The barriers to oceanic island radiation in bryophytes: insights from the phylogeography of the moss Grimmia montana. Journal of Biogeography, 2008, 35, 654-663.	3.0	73
22	Circumscription and phylogeny of the Orthotrichales (Bryopsida) inferred from RBCL sequence analyses. American Journal of Botany, 1998, 85, 1324-1337.	1.7	70
23	Characterization of Mycobionts of Photomorph Pairs in the Peltigerineae (Lichenized Ascomycetes) Based on Internal Transcribed Spacer Sequences of the Nuclear Ribosomal DNA. Fungal Genetics and Biology, 1997, 21, 228-237.	2.1	64
24	Disentangling knots of rapid evolution: origin and diversification of the moss order Hypnales. Journal of Bryology, 2012, 34, 187-211.	1.2	60
25	Unnoticed diversity within the disjunct moss Orthotrichum tenellum s.l. validated by morphological and molecular approaches. Taxon, 2013, 62, 1133-1152.	0.7	58
26	Phylogenetic inference rejects sporophyte based classification of the Funariaceae (Bryophyta): Rapid radiation suggests rampant homoplasy in sporophyte evolution. Molecular Phylogenetics and Evolution, 2012, 62, 130-145.	2.7	57
27	Morphology, anatomy, and classification of the Bryophyta. , 0, , 55-138.		53
28	Geographical range in liverworts: does sex really matter?. Journal of Biogeography, 2016, 43, 627-635.	3.0	52
29	Organellar phylogenomics of an emerging model system:Sphagnum(peatmoss). Annals of Botany, 2016, 118, 185-196.	2.9	51
30	Lichen-symbiotic cyanobacteria associated withPeltigerahave an alternative vanadium-dependent nitrogen fixation system. European Journal of Phycology, 2014, 49, 11-19.	2.0	50
31	The ecology and evolution of fly dispersed dung mosses (Family Splachnaceae): Manipulating insect behaviour through odour and visual cues. Symbiosis, 2009, 47, 61-76.	2.3	47
32	Recent origin, active speciation and dispersal for the lichen genus Nephroma (Peltigerales) in Macaronesia. Journal of Biogeography, 2011, 38, 1138-1151.	3.0	44
33	Phylogenetic Relationships Among Basal-most Arthrodontous Mosses with Special Emphasis on the Evolutionary Significance of the Funariineae. Bryologist, 2000, 103, 212-223.	0.6	43
34	Ordinal relationships of pleurocarpous mosses, with special emphasis on the Hookeriales. Systematics and Biodiversity, 2004, 2, 121-145.	1.2	43
35	Origin and relationships of the myco-heterotrophic liverwort Cryptothallus mirabilis Malmb. (Metzgeriales, Marchantiophyta). Botanical Journal of the Linnean Society, 2008, 156, 1-12.	1.6	42
36	Species delimitation at a global scale reveals high species richness with complex biogeography and patterns of symbiont association in Peltigera section Peltigera (lichenized Ascomycota:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		

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37	Distribution and Phylogenetic Significance of the 71-kb Inversion in the Plastid Genome in Funariidae (Bryophyta). Annals of Botany, 2006, 99, 747-753.	2.9	39
38	Phylogenetic significance of the rpoA loss in the chloroplast genome of mosses. Taxon, 2005, 54, 353-360.	0.7	38
39	Deep sequencing of Ptilidium (Ptilidiaceae) suggests evolutionary stasis in liverwort plastid genome structure. Plant Ecology and Evolution, 2011, 144, 29-43.	0.7	37
40	Increased diversification rates follow shifts to bisexuality in liverworts. New Phytologist, 2016, 210, 1121-1129.	7.3	34
41	Evolutionary dynamism in bryophytes: Phylogenomic inferences confirm rapid radiation in the moss family Funariaceae. Molecular Phylogenetics and Evolution, 2018, 120, 240-247.	2.7	33
42	Multiple historical processes obscure phylogenetic relationships in a taxonomically difficult group (Lobariaceae, Ascomycota). Scientific Reports, 2019, 9, 8968.	3.3	32
43	Further photomorphs in the lichen family Lobariaceae from Reunion (Mascarene archipelago) with notes on the phylogeny of Dendriscocaulon cyanomorphs. Bryologist, 2012, 115, 243-254.	0.6	31
44	Conserved genomic collinearity as a source of broadly applicable, fast evolving, markers to resolve species complexes: A case study using the lichen-forming genus Peltigera section Polydactylon. Molecular Phylogenetics and Evolution, 2017, 117, 10-29.	2.7	30
45	Origin and phylogenetic relationships of bryophytes. , 2000, , 124-149.		29
46	A phylotranscriptomic analysis of gene family expansion and evolution in the largest order of pleurocarpous mosses (Hypnales, Bryophyta). Molecular Phylogenetics and Evolution, 2016, 98, 29-40.	2.7	29
47	High diversity, high insular endemism and recent origin in the lichen genus Sticta (lichenized) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2018, 122, 15-28.	2.7	29
48	The Amount of RNA Editing Sites in Liverwort Organellar Genes Is Correlated with GC Content and Nuclear PPR Protein Diversity. Genome Biology and Evolution, 2019, 11, 3233-3239.	2.5	27
49	Dehydration protection provided by a maternal cuticle improves offspring fitness in the moss Funaria hygrometrica. Annals of Botany, 2013, 111, 781-789.	2.9	26
50	Phylogenetic inferences in the dungâ€moss family Splachnaceae from analyses of cpDNA sequence data and implications for the evolution of entomophily. American Journal of Botany, 2004, 91, 748-759.	1.7	24
51	Microsatellite primers in the Peltigera dolichorhiza complex (lichenized ascomycete,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.7	24
52	Is the sword moss (Bryoxiphium) a preglacial Tertiary relict?. Molecular Phylogenetics and Evolution, 2016, 96, 200-206.	2.7	24
53	Evidence for a latitudinal diversity gradient in liverworts and hornworts. Journal of Biogeography, 2017, 44, 487-488.	3.0	24
54	Distribution and Evolution of Pseudogenes, Gene Losses, and a Gene Rearrangement in the Plastid Genome of the Nonphotosynthetic Liverwort, Aneura mirabilis (Metzgeriales, Jungermanniopsida). Journal of Molecular Evolution, 2008, 67, 111-122.	1.8	23

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55	Organellar genome, nuclear ribosomal DNA repeat unit, and microsatellites isolated from a small-scale of 454 GS FLX sequencing on two mosses. Molecular Phylogenetics and Evolution, 2013, 66, 1089-1094.	2.7	23
56	Comparative Cuticle Development Reveals Taller Sporophytes Are Covered by Thicker Calyptra Cuticles in Mosses. Frontiers in Plant Science, 2016, 7, 832.	3.6	22
57	Pseudocyphellaria crocata (Ascomycota: Lobariaceae) in the Americas is revealed to be thirteen species, and none of them is P. crocata. Bryologist, 2017, 120, 441.	0.6	22
58	A molecular and morphological recircumscription of Brachytheciastrum (Brachytheciaceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	0.7	21
59	Mitochondrial genomes of the early land plant lineage liverworts (Marchantiophyta): conserved genome structure, and ongoing low frequency recombination. BMC Genomics, 2019, 20, 953.	2.8	21
60	Peristome Development in Mosses in Relation to Systematics and Evolution. V. Diplolepideae: Orthotrichaceae. Bryologist, 1999, 102, 581.	0.6	20
61	Future directions and priorities for Arctic bryophyte research. Arctic Science, 2017, 3, 475-497.	2.3	20
62	Micromitriaceae: A new family of highly reduced mosses. Taxon, 2011, 60, 1245-1254.	0.7	19
63	The plastid genome of the hornwort Nothoceros aenigmaticus (Dendrocerotaceae): Phylogenetic signal in inverted repeat expansion, pseudogenization, and intron gain. American Journal of Botany, 2013, 100, 467-477.	1.7	19
64	Oligocene origin and drivers of diversification in the genus Sticta (Lobariaceae, Ascomycota). Molecular Phylogenetics and Evolution, 2018, 126, 58-73.	2.7	19
65	Transcriptional Landscapes of Divergent Sporophyte Development in Two Mosses, Physcomitrium (Physcomitrella) patens and Funaria hygrometrica. Frontiers in Plant Science, 2020, 11, 747.	3.6	19
66	Frequent pseudogenization and loss of the plastidâ€encoded sulfateâ€transport genecysA throughout the evolution of liverworts. American Journal of Botany, 2011, 98, 1263-1275.	1.7	17
67	Resolving the northern hemisphere source region for the longâ€distance dispersal event that gave rise to the South American endemic dung moss Tetraplodon fuegianus. American Journal of Botany, 2017, 104, 1651-1659.	1.7	17
68	Phylogenetic Analyses of Timmiaceae (Bryophyta: Musci) Based on Nuclear and Chloroplast Sequence Data. Systematic Botany, 2006, 31, 633-641.	0.5	16
69	Cophylogenetic patterns in algal symbionts correlate with repeated symbiont switches during diversification and geographic expansion of lichen-forming fungi in the genus Sticta (Ascomycota,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.7	16
70	A reconsideration of the systematic position of Goniomitrium (Funariaceae) based on chloroplast sequence markers. Bryologist, 2007, 110, 108-114.	0.6	13
71	Infraspecific variation within and across complete organellar genomes and nuclear ribosomal repeats in a moss. Molecular Phylogenetics and Evolution, 2016, 96, 195-199.	2.7	13
72	Complete mitochondrial genome sequence of Anthoceros angustus: conservative evolution of the mitogenomes in hornworts. Bryologist, 2018, 121, 14.	0.6	13

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73	Phylogenetic position of a Pacific Northwest North American endemic cyanolichen, Nephroma occultum (Ascomycota, Peltigerales). Lichenologist, 2006, 38, 441-456.	0.8	12
74	Plastid genomes and phylogenomics of liverworts (Marchantiophyta): Conserved genome structure but highest relative plastid substitution rate in land plants. Molecular Phylogenetics and Evolution, 2021, 161, 107171.	2.7	12
75	Draft genome of the aquatic moss Fontinalis antipyretica (Fontinalaceae, Bryophyta). GigaByte, 0, 2020, 1-9.	0.0	12
76	Unveiling the nature of a miniature world: a horizon scan of fundamental questions in bryology. Journal of Bryology, 2022, 44, 1-34.	1.2	12
77	Construction of DNA Tools for Hyperexpression in Marchantia Chloroplasts. ACS Synthetic Biology, 2021, 10, 1651-1666.	3.8	11
78	Chromosome-Level Genome Assemblies of Two Hypnales (Mosses) Reveal High Intergeneric Synteny. Genome Biology and Evolution, 2022, 14, .	2.5	11
79	Orthotrichum kellmanii (Bryopsida, Orthotrichaceae), A Remarkable New Species from the Central Coast of California. Bryologist, 2004, 107, 209-214.	0.6	10
80	DNA based revised geographic circumscription of species of Physcomitrella s.l. (Funariaceae): P. patens new to East Asia and P. magdalenae new to East Africa. Bryologist, 2015, 118, 22.	0.6	10
81	Circumscription and phylogeny of the Lepidostromatales (Lichenized Basidiomycota) following discovery of new species from China and Africa. Mycologia, 2017, 109, 730-748.	1.9	10
82	Orthotrichum sprucei Mont. (Musci), a European endemic discovered in Kazakhstan. Arctoa, 2002, 11, 27-30.	0.2	10
83	<I>Sticta deyana</I>: A New Endemic Photomorphic Lichen from the Imperiled Mid-Atlantic Coastal Plain of Eastern North America. Systematic Botany, 2016, 40, 933-941.	0.5	9
84	Chloroplast, mitochondrial, and nuclear microsatellites from the southern Appalachian hornwort, Nothoceros aenigmaticus (Dendrocerotaceae). American Journal of Botany, 2012, 99, e88-e90.	1.7	8
85	Phylogenetic study of the genus Aptychella (Pylaisiadelphaceae, Musci). Bryologist, 2015, 118, 273.	0.6	8
86	Taxonomic study of the genus Anzia (Lecanorales, lichenized Ascomycota) from Hengduan Mountains, China. Lichenologist, 2015, 47, 99-115.	0.8	8
87	Comparing three complete mitochondrial genomes of the moss genus Orthotrichum Hedw.. Mitochondrial DNA Part B: Resources, 2016, 1, 168-170.	0.4	8
88	Potential dispersal of tardigrades by birds through endozoochory: evidence from Sub-Antarctic White-bellied Seedsnipe (Attagis malouinus). Polar Biology, 2020, 43, 899-902.	1.2	8
89	Are fungiâ€derived genomic regions related to antagonism towards fungi in mosses?. New Phytologist, 2020, 228, 1169-1175.	7.3	8
90	Karyotypic diversity and cryptic speciation: Have we vastly underestimated moss species diversity?. Bryophyte Diversity and Evolution, 2021, 43, .	1.1	8

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91	Evolutionary origin of the latitudinal diversity gradient in liverworts. Molecular Phylogenetics and Evolution, 2018, 127, 606-612.	2.7	7
92	Population Genomics and Phylogeography of a Clonal Bryophyte With Spatially Separated Sexes and Extreme Sex Ratios. Frontiers in Plant Science, 2020, 11, 495.	3.6	7
93	Macroclimatic structuring of spatial phylogenetic turnover in liverworts. Ecography, 2021, 44, 1474-1485.	4.5	7
94	Exploring the impact of RNA editing on mitochondrial phylogenetic analyses in liverworts, an early land plant lineage. Journal of Systematics and Evolution, 2021, , .	3.1	6
95	Evidence of targeted consumption of mosses by birds in sub-Antarctic South America. Austral Ecology, 2020, 45, 399-403.	1.5	6
96	Afoninia, a new moss genus of Funariaceae from Transbaikalia (East Siberia, Russia). Arctoa, 2015, 24, 14-20.	0.2	6
97	Addenda to the classification of mosses. I. Andreaeophytina stat. nov. and Andreaeobryophytina stat. nov. Bryologist, 2009, 112, 856-857.	0.6	5
98	Physcomitridium readeri is the correct name for Ephemerella readeri. Bryologist, 2011, 114, 545-546.	0.6	5
99	Indopottia irieandoana sp. nov. (Pottiaceae) from Doi Inthanon, northern Thailand. Journal of Bryology, 2011, 33, 122-129.	1.2	5
100	High gene space divergence contrasts with frozen vegetative architecture in the moss family Funariaceae. Molecular Phylogenetics and Evolution, 2021, 154, 106965.	2.7	5
101	The mitochondrial genomes of Bazzania tridens and Riccardia planiflora further confirm conservative evolution of mitogenomes in liverworts. Bryologist, 2019, 122, 130.	0.6	4
102	Emmanuelia, a new genus of lobarioid lichen-forming fungi (Ascomycota: Peltigerales): phylogeny and synopsis of accepted species. Plant and Fungal Systematics, 2020, 65, 76-94.	0.5	4
103	Bibliography of 'molecular systematic' studies of bryophytes. I. 1985â€“2000. Cryptogamie, Bryologie, 2001, 22, 149-155.	0.2	3
104	Conservation biology. , 0, , 232-255.		3
105	The complete mitochondrial genome of the moss Oxystegus tenuirostris (Hook. & Taylor) A.J.E. Sm. (Pottiaceae, Bryophyta). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3808-3809.	0.7	3
106	Cultivando un jardÃn de nombres en los bosques en miniatura del cabo de hornos: ExtensiÃ³n de la conservaciÃ³n biocultural y la Ã©tica a seres vivos poco percibidos. Magallania, 2018, 46, 103-123.	0.1	3
107	Phylogenomic reconstruction addressing the Peltigeralean backbone (Lecanoromycetes, Ascomycota). Fungal Diversity, 2021, 110, 59.	12.3	3
108	Global phylogeny and taxonomic reassessment of the lichen genus Dendriscosticta (Ascomycota: Peltigerales). Taxon, 2022, 71, 256-287.	0.7	3

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109	Archidium oblongifolium(Archidiaceae, subg.Archidiella), a New Species from Brazil. Cryptogamie, Bryologie, 2015, 36, 211-215.	0.2	2
110	On the priority of Orthotrichum cylindrocarpum over O. coulteri and Lesquereux's early vindication of an autonomous American bryology. Taxon, 2019, 68, 137-141.	0.7	2
111	Discovery of epiphytic lichens in Connecticut suggests novel introduction and reintroduction via horticultural practices. Bryologist, 2021, 124, .	0.6	2
112	Larrainia, a new genus of Amblystegiaceae from the Cape Horn region of Chile. Arctoa, 2015, 24, 27-31.	0.2	1
113	Editorial: Highlights of IAB IMOSS SEB 2019 Joint Conference. Frontiers in Plant Science, 2021, 12, 694765.	3.6	0