

Cedric Mariac

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,135
citations

257450

24
h-index

243625

44
g-index

58
all docs

58
docs citations

58
times ranked

2331
citing authors

#	ARTICLE	IF	CITATIONS
1	Species-level ichthyoplankton dynamics for 97 fishes in two major river basins of the Amazon using quantitative metabarcoding. <i>Molecular Ecology</i> , 2022, 31, 1627-1648.	3.9	17
2	Unveiling biogeographical patterns of the ichthyofauna in the Tuichi basin, a biodiversity hotspot in the Bolivian Amazon, using environmental DNA. <i>PLoS ONE</i> , 2022, 17, e0262357.	2.5	2
3	Adaptive potential of <i>Coffea canephora</i> from Uganda in response to climate change. <i>Molecular Ecology</i> , 2022, 31, 1800-1819.	3.9	7
4	Aquaporins are main contributors to root hydraulic conductivity in pearl millet [<i>Pennisetum glaucum</i> (L) R. Br.]. <i>PLoS ONE</i> , 2020, 15, e0233481.	2.5	18
5	Threatened fish spawning area revealed by specific metabarcoding identification of eggs and larvae in the Beni River, upper Amazon. <i>Global Ecology and Conservation</i> , 2020, 24, e01309.	2.1	9
6	Pearl millet genomic vulnerability to climate change in West Africa highlights the need for regional collaboration. <i>Nature Communications</i> , 2020, 11, 5274.	12.8	45
7	Abandonment of pearl millet cropping and homogenization of its diversity over a 40 year period in Senegal. <i>PLoS ONE</i> , 2020, 15, e0239123.	2.5	6
8	Transferability, development of simple sequence repeat (SSR) markers and application to the analysis of genetic diversity and population structure of the African fan palm (<i>Borassus aethiopicum</i> Mart.) in Benin. <i>BMC Genetics</i> , 2020, 21, 145.	2.7	7
9	Microsatellite markers development for Indonesian nutmeg (<i>Myristica fragrans</i> Hoult.) and transferability to other Myristicaceae spp.. <i>Molecular Biology Reports</i> , 2020, 47, 4835-4840.	2.3	3
10	New microsatellite markers for <i>Dacryodes edulis</i> (Burseraceae), an indigenous fruit tree species from Central Africa. <i>Molecular Biology Reports</i> , 2020, 47, 2391-2396.	2.3	6
11	Pre-Pleistocene origin of phylogeographical breaks in African rain forest trees: New insights from <i>Greenwayodendron</i> (Annonaceae) phylogenomics. <i>Journal of Biogeography</i> , 2019, 46, 212-223.	3.0	30
12	A single amino acid substitution (H451Y) in <i>Leishmania</i> calcium-dependent kinase SCAMK confers high tolerance and resistance to antimony. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 3231-3239.	3.0	7
13	Long-read targeted capture for long-read sequencing of plastomes. <i>Applications in Plant Sciences</i> , 2019, 7, e1243.	2.1	28
14	Yam genomics supports West Africa as a major cradle of crop domestication. <i>Science Advances</i> , 2019, 5, eaaw1947.	10.3	71
15	Wild crop relative populations hot-spots of diversity are hot-spots of introgression in the case of pearl millet. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 1187-1194.	1.6	2
16	Identification of a Hypervirulent Pathotype of <i>Rice yellow mottle virus</i> : A Threat to Genetic Resistance Deployment in West-Central Africa. <i>Phytopathology</i> , 2018, 108, 299-307.	2.2	25
17	Metabarcoding by capture using a single COI probe (MCSP) to identify and quantify fish species in ichthyoplankton swarms. <i>PLoS ONE</i> , 2018, 13, e0202976.	2.5	30
18	A western Sahara centre of domestication inferred from pearl millet genomes. <i>Nature Ecology and Evolution</i> , 2018, 2, 1377-1380.	7.8	78

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19	Human management and hybridization shape treegourd fruits in the Brazilian Amazon Basin. <i>Evolutionary Applications</i> , 2017, 10, 577-589.	3.1	9
20	Myosin XI is associated with fitness and adaptation to aridity in wild pearl millet. <i>Heredity</i> , 2017, 119, 88-94.	2.6	6
21	Pearl millet genome sequence provides a resource to improve agronomic traits in arid environments. <i>Nature Biotechnology</i> , 2017, 35, 969-976.	17.5	356
22	Diversity of Treegourd (<i>Crescentia cujete</i>) Suggests Introduction and Prehistoric Dispersal Routes into Amazonia. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	18
23	No excess of cis -regulatory variation associated with intra-specific selection in wild pearl millet () Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.5	9
24	DNA Metabarcoding of Amazonian Ichthyoplankton Swarms. <i>PLoS ONE</i> , 2017, 12, e0170009.	2.5	23
25	Spatial and Temporal Variation in Selection of Genes Associated with Pearl Millet Varietal Quantitative Traits In situ. <i>Frontiers in Genetics</i> , 2016, 7, 130.	2.3	2
26	Genotyping-by-Sequencing SNP Identification for Crops without a Reference Genome: Using Transcriptome Based Mapping as an Alternative Strategy. <i>Frontiers in Plant Science</i> , 2016, 7, 777.	3.6	21
27	Mutations in Rice yellow mottle virus Polyprotein P2a Involved in RYMV2 Gene Resistance Breakdown. <i>Frontiers in Plant Science</i> , 2016, 7, 1779.	3.6	38
28	Genome scan reveals selection acting on genes linked to stress response in wild pearl millet. <i>Molecular Ecology</i> , 2016, 25, 5500-5512.	3.9	30
29	Phylogeography of the genus <i>Podococcus</i> (Palmae/Arecaceae) in Central African rain forests: Climate stability predicts unique genetic diversity. <i>Molecular Phylogenetics and Evolution</i> , 2016, 105, 126-138.	2.7	45
30	Intra-individual polymorphism in chloroplasts from NGS data: where does it come from and how to handle it?. <i>Molecular Ecology Resources</i> , 2016, 16, 434-445.	4.8	62
31	Chloroplast Sequence of Treegourd (<i>Crescentia cujete</i> , Bignoniaceae) to Study Phylogeography and Domestication. <i>Applications in Plant Sciences</i> , 2016, 4, 1600048.	2.1	13
32	Genetic diversity and population structure in a collection of roselle (<i>Hibiscus sabdariffa</i> L.) from Niger. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014, 12, 207-214.	0.8	4
33	Genetic diversity, population structure and differentiation of rice species from Niger and their potential for rice genetic resources conservation and enhancement. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 199-213.	1.6	16
34	Association mapping, patterns of linkage disequilibrium and selection in the vicinity of the PHYTOCHROME C gene in pearl millet. <i>Theoretical and Applied Genetics</i> , 2014, 127, 19-32.	3.6	27
35	Association studies including genotype by environment interactions: prospects and limits. <i>BMC Genetics</i> , 2014, 15, 3.	2.7	37
36	Cost-effective enrichment hybridization capture of chloroplast genomes at deep multiplexing levels for population genetics and phylogeography studies. <i>Molecular Ecology Resources</i> , 2014, 14, 1103-1113.	4.8	110

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37	Evolutionary History of Pearl Millet (<i>Pennisetum glaucum</i> [L.] R. Br.) and Selection on Flowering Genes since Its Domestication. <i>Molecular Biology and Evolution</i> , 2012, 29, 1199-1212.	8.9	48
38	Genetic basis of pearl millet adaptation along an environmental gradient investigated by a combination of genome scan and association mapping. <i>Molecular Ecology</i> , 2011, 20, 80-91.	3.9	48
39	Selection for Earlier Flowering Crop Associated with Climatic Variations in the Sahel. <i>PLoS ONE</i> , 2011, 6, e19563.	2.5	82
40	Spatio-temporal dynamics of genetic diversity in <i>Sorghum bicolor</i> in Niger. <i>Theoretical and Applied Genetics</i> , 2010, 120, 1301-1313.	3.6	33
41	Evidence of diploidy in the wild Amerindian yam, a putative progenitor of the endangered species <i>Dioscorea trifida</i> (<i>Dioscoreaceae</i>). <i>Genome</i> , 2010, 53, 371-383.	2.0	20
42	Changes in the diversity and geographic distribution of cultivated millet (<i>Pennisetum glaucum</i> (L.) R.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Resources and Crop Evolution, 2009, 56, 223-236.	1.6	70
43	Association Studies Identify Natural Variation at <i>PHYC</i> Linked to Flowering Time and Morphological Variation in Pearl Millet. <i>Genetics</i> , 2009, 182, 899-910.	2.9	80
44	Role of seed flow on the pattern and dynamics of pearl millet (<i>Pennisetum glaucum</i> [L.] R. Br.) genetic diversity assessed by AFLP markers: a study in south-western Niger. <i>Genetica</i> , 2008, 133, 167-178.	1.1	33
45	Niger-wide assessment of in situ sorghum genetic diversity with microsatellite markers. <i>Theoretical and Applied Genetics</i> , 2008, 116, 903-913.	3.6	73
46	Phylogeny and origin of pearl millet (<i>Pennisetum glaucum</i> [L.] R. Br) as revealed by microsatellite loci. <i>Theoretical and Applied Genetics</i> , 2008, 117, 489-497.	3.6	124
47	Genetic diversity analysis of yam cultivars (<i>Dioscorea rotundata</i> Poir.) in Benin using simple sequence repeat (SSR) markers. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2007, 5, 71-81.	0.8	33
48	Isolation of 23 polymorphic microsatellite loci in the Neotropical palm <i>Oenocarpus bataua</i> Martius (<i>Arecaceae</i>). <i>Molecular Ecology Notes</i> , 2006, 7, 75-78.	1.7	11
49	Genetic Nature of Yams (<i>Dioscorea</i> sp.) Domesticated by Farmers in Benin (West Africa). <i>Genetic Resources and Crop Evolution</i> , 2006, 53, 121-130.	1.6	54
50	Genetic diversity and gene flow among pearl millet crop/weed complex: a case study. <i>Theoretical and Applied Genetics</i> , 2006, 113, 1003-1014.	3.6	47
51	Diversity of wild and cultivated pearl millet accessions (<i>Pennisetum glaucum</i> [L.] R. Br.) in Niger assessed by microsatellite markers. <i>Theoretical and Applied Genetics</i> , 2006, 114, 49-58.	3.6	125
52	Title is missing!. <i>Euphytica</i> , 2003, 133, 329-337.	1.2	11
53	Haplotype variation of cpDNA in the agamic grass complex <i>Pennisetum</i> section <i>Brevivalvula</i> (<i>Poaceae</i>). <i>Heredity</i> , 2001, 86, 537-544.	2.6	9
54	Chloroplast DNA Extraction from Herbaceous and Woody Plants for Direct Restriction Fragment Length Polymorphism Analysis. <i>BioTechniques</i> , 2000, 28, 110-113.	1.8	12