Anne Chenuil

List of Publications by Year
in descending order

67 papers	2,516 citations	236833 25 h-index	223716 46 g-index
71 all docs	71 docs citations	71 times ranked	4025 citing authors

#	Article	IF	Citations
1	Comparative population genomics in animals uncovers the determinants of genetic diversity. Nature, 2014, 515, 261-263.	13.7	493
2	Species are hypotheses: avoid connectivity assessments based on pillars of sand. Molecular Ecology, 2015, 24, 525-544.	2.0	197
3	Implementing and Innovating Marine Monitoring Approaches for Assessing Marine Environmental Status. Frontiers in Marine Science, 2016, 3, .	1.2	163
4	Pleistocene separation of mitochondrial lineages of Mytilus spp. mussels from Northern and Southern Hemispheres and strong genetic differentiation among southern populations. Molecular Phylogenetics and Evolution, 2008, 49, 84-91.	1.2	105
5	Quantitative criteria for choosing targets and indicators for sustainable use of ecosystems. Ecological Indicators, 2017, 72, 215-224.	2.6	67
6	Defining reproductively isolated units in a cryptic and syntopic species complex using mitochondrial and nuclear markers: the brooding brittle star, Amphipholis squamata (Ophiuroidea). Molecular Ecology, 2008, 17, 1732-1744.	2.0	66
7	Kin cohesiveness and possible inbreeding in the mouthbrooding tilapiaSarotherodon melanotheron(Pisces Cichlidae). Molecular Ecology, 1999, 8, 803-812.	2.0	63
8	Did vicariance and adaptation drive cryptic speciation and evolution of brooding in Ophioderma longicauda (Echinodermata: Ophiuroidea), a common Atlanto-Mediterranean ophiuroid?. Molecular Ecology, 2011, 20, 4737-4755.	2.0	61
9	A comparative analysis of metabarcoding and morphologyâ€based identification of benthic communities across different regional seas. Ecology and Evolution, 2018, 8, 8908-8920.	0.8	57
10	Molecular Phylogenetic Study of a Myrmecophyte Symbiosis: DidLeonardoxa/Ant Associations Diversify via Cospeciation?. Molecular Phylogenetics and Evolution, 1996, 6, 270-286.	1.2	55
11	Choosing the right molecular genetic markers for studying biodiversity: from molecular evolution to practical aspects. Genetica, 2006, 127, 101-120.	0.5	55
12	A test of the hypothesis of an autopolyploid vs. allopolyploid origin for a tetraploid lineage: application to the genus Barbus (Cyprinidae). Heredity, 1999, 82, 373-380.	1.2	51
13	Polyphyly of the genus Axinella and of the family Axinellidae (Porifera: Demospongiaep). Molecular Phylogenetics and Evolution, 2010, 57, 35-47.	1.2	51
14	Is the Species Flock Concept Operational? The Antarctic Shelf Case. PLoS ONE, 2013, 8, e68787.	1.1	51
15	Dispersal similarly shapes both population genetics and community patterns in the marine realm. Scientific Reports, 2016, 6, 28730.	1.6	45
16	Phylogeography of the red coral (Corallium rubrum): inferences on the evolutionary history of a temperate gorgonian. Genetica, 2011, 139, 855-869.	0.5	44
17	Problems and Questions Posed by Cryptic Species. A Framework to Guide Future Studies. History, Philosophy and Theory of the Life Sciences, 2019, , 77-106.	0.4	43
18	Species delimitation in the presence of strong incomplete lineage sorting and hybridization: Lessons from Ophioderma (Ophiuroidea: Echinodermata). Molecular Phylogenetics and Evolution, 2019, 131, 138-148.	1.2	37

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19	Complex genetic population structure of the bivalve Cerastoderma glaucum in a highly fragmented lagoon habitat. Marine Ecology - Progress Series, 2010, 406, 173-184.	0.9	36
20	An efficient method to find potentially universal population genetic markers, applied to metazoans. BMC Evolutionary Biology, 2010, 10, 276.	3.2	34
21	Planktonic larvae do not ensure gene flow in the edible sea urchin Paracentrotus lividusÂ. Marine Ecology - Progress Series, 2013, 480, 155-170.	0.9	33
22	Morphological and genetic analyses reveal a cryptic species complex in the echinoid Echinocardium cordatum and rule out a stabilizing selection explanation. Molecular Phylogenetics and Evolution, 2016, 94, 207-220.	1.2	33
23	Lessons from photo analyses of Autonomous Reef Monitoring Structures as tools to detect (bio-)geographical, spatial, and environmental effects. Marine Pollution Bulletin, 2019, 141, 420-429.	2.3	32
24	From seascape ecology to population genomics and back. Spatial and ecological differentiation among cryptic species of the red algae Lithophyllum stictiforme/L. cabiochiae, main bioconstructors of coralligenous habitats. Molecular Phylogenetics and Evolution, 2019, 137, 104-113.	1.2	29
25	Biodiversity, climate change, and adaptation in the Mediterranean. Ecosphere, 2022, 13, .	1.0	29
26	Influence of the larval phase on connectivity: strong differences in the genetic structure of brooders and broadcasters in the Ophioderma longicauda species complex. Molecular Ecology, 2015, 24, 6080-6094.	2.0	26
27	DNA barcoding and molecular systematics of the benthic andÂdemersal organisms of the CEAMARC survey. Polar Science, 2011, 5, 298-312.	0.5	25
28	Fine-scale spatial genetic structure in the brooding sea urchin Abatus cordatus suggests vulnerability of the Southern Ocean marine invertebrates facing global change. Polar Biology, 2012, 35, 611-623.	0.5	25
29	Potential cryptic speciation in Mediterranean populations of Ophioderma (Echinodermata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.2	25
30	A multispecies approach reveals hot spots and cold spots of diversity and connectivity in invertebrate species with contrasting dispersal modes. Molecular Ecology, 2017, 26, 6563-6577.	2.0	24
31	Extreme selfing rates in the cosmopolitan brittle star species complex Amphipholis squamata: data from progeny-array and heterozygote deficiency. Marine Ecology - Progress Series, 2008, 361, 151-159.	0.9	24
32	Evolution of the large-subunit ribosomal RNA binding site for protein L23/25. Molecular Biology and Evolution, 1997, 14, 578-588.	3.5	23
33	Identification of allopatric clades in the cosmopolitan ophiuroid species complex Amphipholis squamata (Echinodermata). The end of a paradox?. Marine Ecology - Progress Series, 2004, 278, 171-178.	0.9	22
34	Understanding processes at the origin of species flocks with a focus on the marine <scp>A</scp>ntarctic fauna. Biological Reviews, 2018, 93, 481-504.	4.7	21
35	Application of the ecosystem service concept at a small-scale: The cases of coralligenous habitats in the North-western Mediterranean Sea. Marine Pollution Bulletin, 2019, 138, 160-170.	2.3	21
36	Positive selection on sperm ion channels in a brooding brittle star: consequence of lifeâ€history traits evolution. Molecular Ecology, 2017, 26, 3744-3759.	2.0	20

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37	Are well-studied marine biodiversity hotspots still blackspots for animal barcoding?. Global Ecology and Conservation, 2021, 32, e01909.	1.0	20
38	Does polyploidy lead to fewer and shorter microsatellites in Barbus (Teleostei: Cyprinidae)?. Molecular Ecology, 1997, 6, 169-178.	2.0	19
39	Comparative phylogeography of two sister (congeneric) species of cardiid bivalve: Strong influence of habitat, life history and post-glacial history. Estuarine, Coastal and Shelf Science, 2012, 107, 150-158.	0.9	19
40	Panâ€regional marine benthic cryptobiome biodiversity patterns revealed by metabarcoding Autonomous Reef Monitoring Structures. Molecular Ecology, 2020, 29, 4882-4897.	2.0	19
41	Movements of adult fish in a hybrid zone revealed by microsatellite genetic analysis and capture-recapture data. Freshwater Biology, 2000, 43, 121-131.	1.2	17
42	Genetic data, reproduction season and reproductive strategy data support the existence of biological species in Ophioderma longicauda. Comptes Rendus - Biologies, 2014, 337, 553-560.	0.1	16
43	Comparative studies on the morphometry and physiology of European populations of the lagoon specialist Cerastoderma glaucum (Bivalvia). Oceanologia, 2009, 51, 437-458.	1.1	16
44	Assessment of three mitochondrial loci variability for the crown-of-thorns starfish: A first insight into Acanthaster phylogeography. Comptes Rendus - Biologies, 2008, 331, 137-143.	0.1	15
45	Contrasting population genetic structures in Amphipholis squamata, a complex of brooding, self-reproducing sister species sharing life history traits. Marine Ecology - Progress Series, 2015, 539, 165-177.	0.9	15
46	How to infer reliable diploid genotypes from NGS or traditional sequence data: from basic probability to experimental optimization. Journal of Evolutionary Biology, 2012, 25, 949-960.	0.8	13
47	Thermotolerance and regeneration in the brittle star species complex Ophioderma longicauda: A preliminary study comparing lineages and Mediterranean basins. Comptes Rendus - Biologies, 2013, 336, 572-581.	0.1	13
48	Coralligenous assemblages along their geographical distribution: Testing of concepts and implications for management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 1578-1594.	0.9	12
49	Autosomal differences between males and females in hybrid zones: a first report from Barbus barbus and Barbus meridionalis (Cyprinidae). Heredity, 2004, 93, 128-134.	1.2	11
50	Does Hybridization Increase Evolutionary Rate? Data from the 28S-rDNA D8 Domain in Echinoderms. Journal of Molecular Evolution, 2008, 67, 539-550.	0.8	11
51	Paternity analysis in the Antarctic brooding sea urchin Abatus nimrodi . A pilot study. Polar Biology, 2004, 27, 177-182.	0.5	10
52	PCR survey of 50 introns in animals: Cross-amplification of homologous EPIC loci in eight non-bilaterian, protostome and deuterostome phyla. Marine Genomics, 2013, 12, 1-8.	0.4	10
53	Does natural selection explain the fine scale genetic structure at the nuclear exon Gluâ€5â€² in blue mussels from Kerguelen?. Ecology and Evolution, 2015, 5, 1456-1473.	0.8	10
54	The taxonomic challenge posed by the Antarctic echinoids Abatus bidens and Abatus cavernosus (Schizasteridae, Echinoidea). Polar Biology, 2016, 39, 897-912.	0.5	10

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55	Differential reproductive timing in Echinocardium spp.: The first Mediterranean survey allows interoceanic and interspecific comparisons. Comptes Rendus - Biologies, 2011, 334, 13-23.	0.1	9
56	Cryptic lineages and high population genetic structure in the exploited marine snail Hexaplex trunculus (Gastropoda: Muricidae). Biological Journal of the Linnean Society, 2017, 122, 411-428.	0.7	9
57	Translational machinery of the chaetognath Spadella cephaloptera: a transcriptomic approach to the analysis of cytosolic ribosomal protein genes and their expression. BMC Evolutionary Biology, 2007, 7, 146.	3.2	7
58	Fast isolation of microsatellite loci of very diverse repeat motifs by library enrichment in echinoderm species, Amphipholis squamata and Echinocardium cordatum. Molecular Ecology Notes, 2003, 3, 324-327.	1.7	6
59	Strong genetic structuring of the cockleCerastoderma glaucumacross Europe: new insights from an intronic marker and multivariate analysis. Journal of Molluscan Studies, 2016, 82, 515-524.	0.4	6
60	Relationships between heterozygosity, growth parameters and age in the common pandora Pagellus erythrinus (Sparidae) in the Gabes Gulf (Tunisia). Marine Ecology - Progress Series, 2012, 445, 251-261.	0.9	6
61	Global invasion genetics of two parasitic copepods infecting marine bivalves. Scientific Reports, 2019, 9, 12730.	1.6	5
62	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2016, 16, .	0.4	4
63	Resolving the Ophioderma longicauda (Echinodermata: Ophiuroidea) cryptic species complex: five sisters, three of them new. European Journal of Taxonomy, 2020, , .	0.6	4
64	The Marine Vegetation of the Kerguelen Islands: History of Scientific Campaigns, Inventory of the Flora and First Analysis of Its Biogeographical Affinities. Cryptogamie, Algologie, 2021, 42, .	0.3	2
65	Fine-grained habitat-associated genetic connectivity in an admixed population of mussels in the small isolated Kerguelen Islands. , 0, 1, .		1
66	Comparing substitution rates in spatangoid sea urchins with putatively different effective sizes, and other echinoderm datasets. , 2009, , 159-161.		0
67	Resolving the Ophioderma longicauda (Echinodermata: Ophiuroidea) cryptic species complex: five sisters, three of them new â€“ Corrigendum. European Journal of Taxonomy, 2020, , .	0.6	0