

# CITATION REPORT

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## Uses and Misuses of Environmental DNA in Biodiversity Science and Conservation

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#	Paper	IF	Citations
181	A comparison of droplet digital polymerase chain reaction (PCR), quantitative PCR and metabarcoding for species-specific detection in environmental DNA. <i>Molecular Ecology Resources</i> , <b>2019</b> , 19, 1407-1419	8.4	44
180	The potential of genomics for restoring ecosystems and biodiversity. <b>2019</b> , 20, 615-628		75
179	A review on the applications and recent advances in environmental DNA (eDNA) metagenomics. <b>2019</b> , 18, 389-411		39
178	Adding invasive species biosurveillance to the U.S. Geological Survey streamgauge network. <i>Ecosphere</i> , <b>2019</b> , 10, e02843	3.1	10
177	How can eDNA contribute in riverine macroinvertebrate assessment? A metabarcoding approach in the Nalón River (Asturias, Northern Spain). <i>Environmental DNA</i> , <b>2019</b> , 1, 385-401	7.6	17
176	DNA metabarcoding in diet studies: Unveiling ecological aspects in aquatic and terrestrial ecosystems. <i>Environmental DNA</i> , <b>2019</b> , 1, 199-214	7.6	56
175	Studying Ecosystems With DNA Metabarcoding: Lessons From Biomonitoring of Aquatic Macroinvertebrates. <b>2019</b> , 7,		41
174	Environmental DNA: An Emerging Tool in Ecological Assessment. <b>2019</b> , 103, 651-656		6
173	Can Environmental RNA Revolutionize Biodiversity Science?. <i>Trends in Ecology and Evolution</i> , <b>2019</b> , 34, 694-697	10.9	48
172	Sponges as natural environmental DNA samplers. <b>2019</b> , 29, R401-R402		27
171	Differences in the soil microbial community and carbon-use efficiency following development of <i>Vochysia guatemalensis</i> tree plantations in unproductive pastures in Costa Rica. <b>2019</b> , 27, 1263-1273		5
170	New High-Tech Flexible Networks for the Monitoring of Deep-Sea Ecosystems. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 6616-6631	10.3	46
169	An efficient and robust laboratory workflow and tetrapod database for larger scale environmental DNA studies. <b>2019</b> , 8,		27
168	Invasion genetics of the silver carp <i>Hypophthalmichthys molitrix</i> across North America: Differentiation of fronts, introgression, and eDNA metabarcode detection. <b>2019</b> , 14, e0203012		19
167	Deciphering host-parasitoid interactions and parasitism rates of crop pests using DNA metabarcoding. <i>Scientific Reports</i> , <b>2019</b> , 9, 3646	4.9	20
166	Predicting the fate of eDNA in the environment and implications for studying biodiversity. <b>2019</b> , 286, 20191409		86
165	Multiple lines of genetic inquiry reveal effects of local and landscape factors on an amphibian metapopulation. <b>2020</b> , 35, 319-335		6

164	Steps towards a more efficient use of chironomids as bioindicators for freshwater bioassessment: Exploiting eDNA and other genetic tools. <i>Ecological Indicators</i> , <b>2020</b> , 110, 105868	5.8	10
163	Key Questions for Next-Generation Biomonitoring. <b>2020</b> , 7,		30
162	Release and degradation of environmental DNA and RNA in a marine system. <b>2020</b> , 704, 135314		39
161	Horizon scan of conservation issues for inland waters in Canada. <b>2020</b> , 77, 869-881		5
160	eDNA metabarcoding survey reveals fine-scale coral reef community variation across a remote, tropical island ecosystem. <i>Molecular Ecology</i> , <b>2020</b> , 29, 1069-1086	5.7	53
159	Parallel, targeted analysis of environmental samples via high-throughput quantitative PCR. <i>Environmental DNA</i> , <b>2020</b> , 2, 544-553	7.6	7
158	Macroinvertebrate community diversity and habitat quality relationships along a large river from targeted eDNA metabarcode assays. <i>Environmental DNA</i> , <b>2020</b> , 2, 572-586	7.6	7
157	Resolving Food-Web Structure. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2020</b> , 51, 55-80	13.5	14
156	Thermal stratification and fish thermal preference explain vertical eDNA distributions in lakes. <i>Molecular Ecology</i> , <b>2021</b> , 30, 3083-3096	5.7	12
155	The risks of using molecular biodiversity data for incidental detection of species of concern. <b>2020</b> , 26, 1116-1121		17
154	Marine biomonitoring with eDNA: Can metabarcoding of water samples cut it as a tool for surveying benthic communities?. <i>Molecular Ecology</i> , <b>2021</b> , 30, 3175-3188	5.7	15
153	High stream flows dilute environmental DNA (eDNA) concentrations and reduce detectability. <b>2020</b> , 27, 1918		9
152	Field application of an improved protocol for environmental DNA extraction, purification, and measurement using Sterivex filter. <i>Scientific Reports</i> , <b>2020</b> , 10, 21531	4.9	5
151	More Than Expected From Old Sponge Samples: A Natural Sampler DNA Metabarcoding Assessment of Marine Fish Diversity in Nha Trang Bay (Vietnam). <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	2
150	Are Environmental DNA Methods Ready for Aquatic Invasive Species Management?. <i>Trends in Ecology and Evolution</i> , <b>2020</b> , 35, 668-678	10.9	40
149	Ecosystems monitoring powered by environmental genomics: A review of current strategies with an implementation roadmap. <i>Molecular Ecology</i> , <b>2021</b> , 30, 2937-2958	5.7	41
148	Validating environmental DNA metabarcoding for marine fishes in diverse ecosystems using a public aquarium. <i>Environmental DNA</i> , <b>2020</b> , 2, 330-342	7.6	8
147	Environmental DNA surveys detect distinct metazoan communities across abyssal plains and seamounts in the western Clarion Clipperton Zone. <i>Molecular Ecology</i> , <b>2020</b> , 29, 4588-4604	5.7	21

146	A new non-invasive in situ underwater DNA sampling method for estimating genetic diversity. <b>2020</b> , 34, 633-644		3
145	A muddy time capsule: using sediment environmental DNA for the long-term monitoring of coastal vegetated ecosystems. <b>2020</b> , 71, 869		3
144	Small-scale spatial variation of meiofaunal communities in Lima estuary (NW Portugal) assessed through metabarcoding. <b>2020</b> , 238, 106683		8
143	Finding Crush: Environmental DNA Analysis as a Tool for Tracking the Green Sea Turtle <i>Chelonia mydas</i> in a Marine Estuary. <i>Frontiers in Marine Science</i> , <b>2020</b> , 6,	4.5	8
142	Validating metabarcoding-based biodiversity assessments with multi-species occupancy models: A case study using coastal marine eDNA. <b>2020</b> , 15, e0224119		13
141	An analysis of metadata reporting in freshwater environmental DNA research calls for the development of best practice guidelines. <i>Environmental DNA</i> , <b>2020</b> , 2, 343-349	7.6	15
140	Standards for Methods Utilizing Environmental DNA for Detection of Fish Species. <b>2020</b> , 11,		21
139	Probabilistic graphical models for species richness prediction: Are current protected areas effective to face climate emergency?. <b>2020</b> , 23, e01162		1
138	Marine DNA Metabarcoding. <b>2020</b> , 612-618		1
137	Analytical validation and field testing of a specific qPCR assay for environmental DNA detection of invasive European green crab ( <i>Carcinus maenas</i> ). <i>Environmental DNA</i> , <b>2020</b> , 2, 309-320	7.6	3
136	A round-robin evaluation of the repeatability and reproducibility of environmental DNA assays for dreissenid mussels. <i>Environmental DNA</i> , <b>2020</b> , 2, 446-459	7.6	5
135	Zooplankton biodiversity monitoring in polluted freshwater ecosystems: A technical review. <b>2020</b> , 1, 100008		19
134	Scaling-up biodiversity-ecosystem functioning research. <b>2020</b> , 23, 757-776		95
133	Uncovering the complete biodiversity structure in spatial networks: the example of riverine systems. <b>2020</b> , 129, 607-618		29
132	Informing marine spatial planning decisions with environmental DNA. <b>2020</b> , 62, 375-407		9
131	Reliable eDNA detection and quantification of the European weather loach ( <i>Misgurnus fossilis</i> ). <b>2021</b> , 98, 399-414		15
130	Accounting for false positive detections in occupancy studies based on environmental DNA: A case study of a threatened freshwater fish ( <i>Galaxiella pusilla</i> ). <i>Environmental DNA</i> , <b>2021</b> , 3, 388-397	7.6	4
129	Comparing environmental metabarcoding and trawling survey of demersal fish communities in the Gulf of St. Lawrence, Canada. <i>Environmental DNA</i> , <b>2021</b> , 3, 22-42	7.6	19

128	Methodology of fish eDNA and its applications in ecology and environment. <b>2021</b> , 755, 142622		23
127	Metabarcoding as a tool to enhance marine surveillance of nonindigenous species in tropical harbors: A case study in Tahiti. <i>Environmental DNA</i> , <b>2021</b> , 3, 173-189	7.6	6
126	eDNA metabarcoding reveals dietary niche overlap among herbivores in an Indian wildlife sanctuary. <i>Environmental DNA</i> , <b>2021</b> , 3, 681-696	7.6	3
125	An urban Blitz with a twist: rapid biodiversity assessment using aquatic environmental DNA. <i>Environmental DNA</i> , <b>2021</b> , 3, 200-213	7.6	3
124	The quest for absolute abundance: The use of internal standards for DNA-based community ecology. <i>Molecular Ecology Resources</i> , <b>2021</b> , 21, 30-43	8.4	12
123	How to learn to stop worrying and love environmental DNA monitoring. <b>2020</b> , 22, 440-451		10
122	The first detection of the fungal pathogen <i>batrachochytrium dendrobatidis</i> in Norway with no evidence of population declines for great crested and smooth newts based on modeling on traditional trapping data. <i>Environmental DNA</i> , <b>2021</b> , 3, 760-768	7.6	1
121	Biology and conservation of the unique and diverse halophilic macroinvertebrates of Australian salt lakes. <b>2021</b> ,		0
120	Malacological survey in a bottle of water: A comparative study between manual sampling and environmental DNA metabarcoding approaches. <b>2021</b> , 25, e01428		0
119	A novel metabarcoding primer pair for environmental DNA analysis of Cephalopoda (Mollusca) targeting the nuclear 18S rRNA region. <b>2021</b> , 8, 201388		3
118	Environmental DNA (eDNA) as a tool for assessing fish biomass: A review of approaches and future considerations for resource surveys. <i>Environmental DNA</i> ,	7.6	19
117	Integrating Environmental DNA Results With Diverse Data Sets to Improve Biosurveillance of River Health. 9,		1
116	Improving the reliability of eDNA data interpretation. <i>Molecular Ecology Resources</i> , <b>2021</b> , 21, 1422-1433	8.4	9
115	Environmental DNA as a tool for monitoring Antarctic vertebrates. <b>2021</b> , 48, 245-262		1
114	eDNAir: proof of concept that animal DNA can be collected from air sampling. <b>2021</b> , 9, e11030		17
113	Potential applications of CRISPR/Cas for next-generation biomonitoring of harmful algae blooms: A review. <b>2021</b> , 103, 102027		4
112	Detection of critically endangered marine species with dwindling populations in the wild using eDNA gives hope for sawfishes. <b>2021</b> , 168, 1		0
111	Validating eDNA measurements of the richness and abundance of anurans at a large scale. <b>2021</b> , 90, 1466-1479		2

110	Sifting environmental DNA metabarcoding data sets for rapid reconstruction of marine food webs. <b>2021</b> , 22, 822		3
109	Accurate detection and quantification of seasonal abundance of American bullfrog ( <i>Lithobates catesbeianus</i> ) using ddPCR eDNA assays. <i>Scientific Reports</i> , <b>2021</b> , 11, 11282	4.9	2
108	Detection of Jaguar ( <i>Panthera onca</i> ) From Genetic Material in Drinking Water. <b>2021</b> , 9,		
107	The use of taxonomic relationships among species in applied ecological research: Baseline, steps forward and future challenges. <b>2021</b> , 46, 950-964		3
106	Diversity Metrics Are Robust to Differences in Sampling Location and Depth for Environmental DNA of Plants in Small Temperate Lakes. <b>2021</b> , 9,		0
105	Grab what you can-an evaluation of spatial replication to decrease heterogeneity in sediment eDNA metabarcoding. <b>2021</b> , 9, e11619		2
104	Meta-Ribosomalomics: RNA Sequencing Is an Unbiased Method for Parasite Detection of Different Sample Types. <b>2021</b> , 12, 614553		1
103	Evaluation of DNA extraction yield from a chlorinated drinking water distribution system. <b>2021</b> , 16, e0253799		1
102	Meta-Fish-Lib: A generalised, dynamic DNA reference library pipeline for metabarcoding of fishes. <b>2021</b> , 99, 1446-1454		6
101	eDNA metabarcoding illuminates species diversity and composition of three phyla (chordata, mollusca and echinodermata) across Indonesian coral reefs. <b>2021</b> , 30, 3087-3114		7
100	Environmental RNA: A Revolution in Ecological Resolution?. <i>Trends in Ecology and Evolution</i> , <b>2021</b> , 36, 601-609	10.9	6
99	Considerations for future environmental DNA accreditation and proficiency testing schemes. <i>Environmental DNA</i> ,	7.6	1
98	Often Overlooked: Understanding and Meeting the Current Challenges of Marine Invertebrate Conservation. <i>Frontiers in Marine Science</i> , <b>2021</b> , 8,	4.5	3
97	First detection of critically endangered scalloped hammerhead sharks ( <i>Sphyrna lewini</i> ) in Guam, Micronesia, in five decades using environmental DNA. <i>Ecological Indicators</i> , <b>2021</b> , 127, 107649	5.8	1
96	Environmental DNA Metabarcoding: A Novel Method for Biodiversity Monitoring of Marine Fish Communities. <b>2021</b> ,		4
95	Fish environmental RNA enables precise ecological surveys with high positive predictivity. <i>Ecological Indicators</i> , <b>2021</b> , 128, 107796	5.8	2
94	Environmental DNA as Novel Technology: Lessons in Agenda Setting and Framing in News Media. <b>2021</b> , 11,		
93	Integrating physiology and environmental dynamics to operationalize environmental DNA (eDNA) as a means to monitor freshwater macro-organism abundance. <i>Molecular Ecology</i> , <b>2021</b> , 30, 6531-6550	5.7	0

92	Phospholipid fatty acid (PLFA) analysis as a tool to estimate absolute abundances from compositional 16S rRNA bacterial metabarcoding data. <b>2021</b> , 188, 106271		5
91	The use of non-lethal sampling for transcriptomics to assess the physiological status of wild fishes. <b>2021</b> , 256, 110629		4
90	Environmental DNA reveals aquatic biodiversity of an urban backwater area, southeast coast of India. <b>2021</b> , 171, 112786		1
89	Environmental DNA sampling protocols for the surveillance of marine non-indigenous species in Irish coastal waters. <b>2021</b> , 172, 112893		2
88	Bees: How and Why to Sample Them. <b>2021</b> , 55-83		8
87	Thermal stratification and fish thermal preference explain vertical eDNA distributions in lakes.		1
86	An efficient and robust laboratory workflow and tetrapod database for larger scale eDNA studies.		1
85	Studying ecosystems with DNA metabarcoding: lessons from aquatic biomonitoring.		9
84	Validating metabarcoding-based biodiversity assessments with multi-species occupancy models: a case study using coastal marine eDNA.		1
83	Environmental DNA Monitoring: Better Tracking of Endangered, Rare, Cryptic, and Invasive Species. <b>2020</b> , 17,		0
82	Malacological survey in a bottle of water: A comparative study between manual sampling and environmental DNA metabarcoding approaches.		
81	A rapid urban biodiversity blitz using aquatic environmental DNA.		
80	Simultaneously monitoring aquatic and riparian biodiversity using riverine water eDNA.		
79	Efficiency of eDNA and iDNA in assessing vertebrate diversity and its abundance. <i>Molecular Ecology Resources</i> , <b>2021</b> ,	8.4	0
78	Environmental DNA: history of studies, current and perspective applications in fundamental and applied research. <i>Ecological Genetics</i> , <b>2020</b> , 18, 493-509	0.5	1
77	Using eDNA to simultaneously detect the distribution of native and invasive crayfish within an entire country. <i>Journal of Environmental Management</i> , <b>2022</b> , 302, 113929	7.9	3
76	From Cave Dragons to Genomics: Advancements in the Study of Subterranean Tetrapods.. <i>BioScience</i> , <b>2022</b> , 72, 254-266	5.7	1
75	VTAM: A robust pipeline for validating metabarcoding data using internal controls.		3

74	Time-series transition of the community structure of aquatic insects at middle domain of Natori river basin in Miyagi Prefecture as revealed by eDNA metabarcoding analysis.. <i>Ecology and Civil Engineering</i> , <b>2020</b> , 23, 21-36	0.2	
73	Reassessment of the mitochondrial 12S-rRNA gene for DNA barcoding of museum specimens of shelled marine gastropods from Japan. <i>E3S Web of Conferences</i> , <b>2021</b> , 322, 01028	0.5	
72	Towards environmental DNA-based bioassessment of freshwater reservoirs with small volumes of water: robust molecular protocols.		0
71	The Time Machine framework: monitoring and prediction of biodiversity loss. <i>Trends in Ecology and Evolution</i> , <b>2021</b> ,	10.9	0
70	Time to get real with qPCR controls: The frequency of sample contamination and the informative power of negative controls in environmental DNA studies. <i>Molecular Ecology Resources</i> , <b>2021</b> ,	8.4	2
69	Ecological equivalence assessment: The potential of genetic tools, remote sensing and metapopulation models to better apply the mitigation hierarchy.. <i>Journal of Environmental Management</i> , <b>2022</b> , 305, 114415	7.9	1
68	Framing Cutting-Edge Integrative Deep-Sea Biodiversity Monitoring via Environmental DNA and Optoacoustic Augmented Infrastructures. <i>Frontiers in Marine Science</i> , <b>2022</b> , 8,	4.5	0
67	Sampling and modelling rare species: conceptual guidelines for the neglected majority.. <i>Global Change Biology</i> , <b>2022</b> ,	11.4	0
66	Tracking an invasion front with environmental DNA.. <i>Ecological Applications</i> , <b>2022</b> , e2561	4.9	1
65	Lost in dead wood? Environmental DNA sequencing from dead wood shows little signs of saproxylic beetles. <i>Environmental DNA</i> ,	7.6	
64	Metabarcoding of soil environmental DNA replicates plant community variation but not specificity. <i>Environmental DNA</i> ,	7.6	0
63	Navigating the trade-offs between environmental DNA and conventional field surveys for improved amphibian monitoring. <i>Ecosphere</i> , <b>2022</b> , 13,	3.1	1
62	Evaluating eDNA for Use within Marine Environmental Impact Assessments. <i>Journal of Marine Science and Engineering</i> , <b>2022</b> , 10, 375	2.4	0
61	Gap analysis for DNA-based biomonitoring of aquatic ecosystems in China. <i>Ecological Indicators</i> , <b>2022</b> , 137, 108732	5.8	0
60	Species-specific biomass estimation from gene copy number in metazoan plankton. <i>Limnology and Oceanography: Methods</i> ,	2.6	
59	Molecular Methods for Pathogenic Bacteria Detection and Recent Advances in Wastewater Analysis. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3551	3	1
58	Effectiveness assessment of using riverine water eDNA to simultaneously monitor the riverine and riparian biodiversity information.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24241	4.9	1
57	Consideration of Multitrophic Biodiversity and Ecosystem Functions Improves Indices on River Ecological Status. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	0



- 56 A Future Planet of Weeds?. **2022**, 361-373 o
- 55 Best practices in metabarcoding of fungi: from experimental design to results.. *Molecular Ecology*, **2022**, 5-7 4
- 54 High genetic diversity in the pelagic deep-sea fauna of the Atacama Trench revealed by environmental DNA.
- 53 Data\_Sheet\_1.docx. **2020**,
- 52 Table\_1.xlsx. **2020**,
- 51 Data\_Sheet\_1.PDF. **2019**,
- 50 Data\_Sheet\_2.PDF. **2019**,
- 49 Image\_1.pdf. **2020**,
- 48 Image\_2.pdf. **2020**,
- 47 Image\_3.pdf. **2020**,
- 46 Image\_4.pdf. **2020**,
- 45 Image\_5.pdf. **2020**,
- 44 Image\_6.pdf. **2020**,
- 43 Image\_7.pdf. **2020**,
- 42 Table\_1.DOCX. **2020**,
- 41 Table\_2.pdf. **2020**,
- 40 Table\_3.docx. **2020**,
- 39 The current state of eDNA research in freshwater ecosystems: are we shifting from the developmental phase to standard application in biomonitoring?. *Hydrobiologia*, 1 2.4 o

38	Environmental DNA as a tool for biodiversity monitoring in aquatic ecosystems  a review. <i>Journal of Threatened Taxa</i> , <b>2022</b> , 14, 21102-21116	0.6	
37	Documenting Emerging Insects, Environmental DNA, and Metal Concentrations in a Small Appalachian Stream. <i>Northeastern Naturalist</i> , <b>2022</b> , 29,	0.5	1
36	The use of citizen science in fish eDNA metabarcoding for evaluating regional biodiversity in a coastal marine region: A pilot study. <i>Metabarcoding and Metagenomics</i> , 6,		1
35	Temperature sensitivity of the interspecific interaction strength of coastal marine fish communities.		
34	Assessing the presence, settlement and growth of the invasive Mediterranean fanworm, <i>Sabella spallanzanii</i> , on mussel farms. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2022</b> , 554, 151767	2.1	
33	Environmental DNA analysis as an emerging non-destructive method for plant biodiversity monitoring: a review. <i>AoB PLANTS</i> ,	2.9	1
32	Environmental DNA dynamics during embryonic development in the rare minnow <i>Gobiocypris rarus</i> . <i>Environmental DNA</i> ,	7.6	
31	Comparative Evaluation of Common Materials as Passive Samplers of Environmental DNA. <i>Environmental Science &amp; Technology</i> ,	10.3	0
30	Using metabarcoding and droplet digital PCR to investigate drivers of historical shifts in cyanobacteria from six contrasting lakes. <b>2022</b> , 12,		0
29	Reproduction influences seasonal eDNA variation in a temperate marine fish community.		0
28	Fishing for fish environmental DNA ( eDNA ): ecological applications, methodological considerations, surveying designs, and ways forward.		2
27	Broad-scale eDNA sampling for describing aquatic species distributions in running waters: Pacific lamprey <i>Entosphenus tridentatus</i> in the upper Snake River, USA.		0
26	The true picture of environmental DNA, a case study in harvested fishponds. <b>2022</b> , 142, 109241		
25	eDNA assessment of pelagic fish diversity, distribution, and abundance in the central Pacific Ocean. <b>2022</b> , 56, 102661		0
24	Environmental DNA Metabarcoding: A Novel Contrivance for Documenting Terrestrial Biodiversity. <b>2022</b> , 11, 1297		2
23	Development and Testing of the A1 Volumetric Air Sampler, an Automatic Pollen Trap Suitable for Long-Term Monitoring of eDNA Pollen Diversity. <b>2022</b> , 22, 6512		0
22	Environmental DNA reveals anadromous river herring habitat use and recolonization after restoration of aquatic connectivity.		0
21	Persistence and degradation dynamics of eDNA affected by environmental factors in aquatic ecosystems.		0

- 20 eDNA metabarcoding of decapod crustaceans across Indonesian seas has implications for biodiversity conservation and fisheries sustainability. 9, ○
- 19 National eDNA-based monitoring of *Batrachochytrium dendrobatidis* and amphibian species in Norway. 6, 1
- 18 Environmental RNA as a Tool for Marine Community Biodiversity Assessments. **2022**, 12, ○
- 17 Identification of factors associated with *Fasciola hepatica* infection risk areas on pastures via an environmental DNA survey of *Galba truncatula* distribution using droplet digital and quantitative real-time PCR assays. ○
- 16 Environmental transcriptomics under heat stress: Can environmental RNA reveal changes in gene expression of aquatic organisms?. ○
- 15 Environmental DNA metabarcoding reveals the biological community structure in Poyang Lake, China. ○
- 14 Maximizing the reliability and the number of species assignments in metabarcoding studies. ○
- 13 Comparative environmental RNA and DNA metabarcoding analysis of river algae and arthropods for ecological surveys and water quality assessment. **2022**, 12, ○
- 12 Environmental DNA. **2022**, 32, R1250-R1252 ○
- 11 Reinventing Marine Exploitation: New Mariculture, Energy and Marine Products Approach. **2023**, 327-429 ○
- 10 Environmental RNA applications and their associated gene targets for management and conservation. ○
- 9 Be positive: customized reference databases and new, local barcodes balance false taxonomic assignments in metabarcoding studies. 11, e14616 ○
- 8 Assessing the utility of marine filter feeders for environmental DNA ( eDNA ) biodiversity monitoring. ○
- 7 Environmental DNA Reveals Patterns of Biological Invasion in an Inland Sea. ○
- 6 VTAM: A robust pipeline for validating metabarcoding data using controls. **2023**, 21, 1151-1156 ○
- 5 Maximizing the reliability and the number of species assignments in metabarcoding studies using a curated regional library and a public repository. 7, ○
- 4 Comparing environmental DNA collection methods for sampling community composition on marine infrastructure. **2023**, 283, 108283 ○
- 3 Metabarcoding of soil environmental DNA to estimate plant diversity globally. 14, ○

- 2 Applications of environmental DNA (eDNA) to detect subterranean and aquatic invasive species: A critical review on the challenges and limitations of eDNA metabarcoding. **2023**, 12, 100370 ○
- 1 Quantifying biodiversity using eDNA from water bodies: General principles and recommendations for sampling designs. ○