

# Alice Valentini

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

7,737  
citations

159585

30  
h-index

102487

66  
g-index

74  
all docs

74  
docs citations

74  
times ranked

7486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the spatial signal of environmental DNA in river systems using a community ecology approach. <i>Molecular Ecology Resources</i> , 2022, 22, 1274-1283.	4.8	20
2	A comparison of visual observation and DNA metabarcoding to assess the diet of juvenile sea turtle. <i>Marine and Freshwater Research</i> , 2022, 73, 552-560.	1.3	5
3	Evaluating bioinformatics pipelines for population-level inference using environmental DNA. <i>Environmental DNA</i> , 2022, 4, 674-686.	5.8	10
4	Cross-ocean patterns and processes in fish biodiversity on coral reefs through the lens of eDNA metabarcoding. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220162.	2.6	14
5	Disentangling the components of coastal fish biodiversity in southern Brittany by applying an environmental <sc>DNA</sc> approach. <i>Environmental DNA</i> , 2022, 4, 920-939.	5.8	6
6	Ecological indicators based on quantitative eDNA metabarcoding: the case of marine reserves. <i>Ecological Indicators</i> , 2022, 140, 108966.	6.3	8
7	Low level of anthropization linked to harsh vertebrate biodiversity declines in Amazonia. <i>Nature Communications</i> , 2022, 13, .	12.8	13
8	Applying convolutional neural networks to speed up environmental DNA annotation in a highly diverse ecosystem. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
9	Lost and found: Frogs in a biodiversity hotspot rediscovered with environmental DNA. <i>Molecular Ecology</i> , 2021, 30, 3289-3298.	3.9	27
10	Comparison of markers for the monitoring of freshwater benthic biodiversity through DNA metabarcoding. <i>Molecular Ecology</i> , 2021, 30, 3189-3202.	3.9	35
11	Morphological vs. DNA metabarcoding approaches for the evaluation of stream ecological status with benthic invertebrates: Testing different combinations of markers and strategies of data filtering. <i>Molecular Ecology</i> , 2021, 30, 3203-3220.	3.9	27
12	Environmental DNA metabarcoding for freshwater bivalves biodiversity assessment: methods and results for the Western Palearctic (European sub-region). <i>Hydrobiologia</i> , 2021, 848, 2931-2950.	2.0	24
13	Comparing environmental DNA metabarcoding and underwater visual census to monitor tropical reef fishes. <i>Environmental DNA</i> , 2021, 3, 142-156.	5.8	61
14	Detecting fish assemblages with environmental DNA: Does protocol matter? Testing eDNA metabarcoding method robustness. <i>Environmental DNA</i> , 2021, 3, 619-630.	5.8	14
15	The future of fish-based ecological assessment of European rivers: from traditional EU Water Framework Directive compliant methods to eDNA metabarcoding-based approaches. <i>Journal of Fish Biology</i> , 2021, 98, 354-366.	1.6	45
16	Seasonal dynamics of riverine fish communities using eDNA. <i>Journal of Fish Biology</i> , 2021, 98, 387-398.	1.6	24
17	Detection of the elusive Dwarf sperm whale ( <i>Kogia sima</i> ) using environmental DNA at Malpelo island (Eastern Pacific, Colombia). <i>Ecology and Evolution</i> , 2021, 11, 2956-2962.	1.9	14
18	Cinq ans d'™inventaires des Bivalves de France par analyse de l'™ADN environnemental™: quelles conclusions, quelles perspectives™?. <i>Naturae</i> , 2021, , .	0.1	1

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19	Amazonian mammal monitoring using aquatic environmental DNA. <i>Molecular Ecology Resources</i> , 2021, 21, 1875-1888.	4.8	11
20	Environmental DNA metabarcoding reveals and unpacks a biodiversity conservation paradox in Mediterranean marine reserves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210112.	2.6	28
21	Environmental DNA metabarcoding as a useful tool for evaluating terrestrial mammal diversity in tropical forests. <i>Ecological Applications</i> , 2021, 31, e02335.	3.8	36
22	Benchmarking bioinformatic tools for fast and accurate eDNA metabarcoding species identification. <i>Molecular Ecology Resources</i> , 2021, 21, 2565-2579.	4.8	35
23	eDNA sampled from stream networks correlates with camera trap detection rates of terrestrial mammals. <i>Scientific Reports</i> , 2021, 11, 11362.	3.3	35
24	Comparing the performance of 12S mitochondrial primers for fish environmental DNA across ecosystems. <i>Environmental DNA</i> , 2021, 3, 1113-1127.	5.8	38
25	Alarming decline of freshwater trigger species in western Mediterranean key biodiversity areas. <i>Conservation Biology</i> , 2021, 35, 1367-1379.	4.7	12
26	Detecting aquatic and terrestrial biodiversity in a tropical estuary using environmental DNA. <i>Biotropica</i> , 2021, 53, 1606-1619.	1.6	18
27	Use of environmental DNA in assessment of fish functional and phylogenetic diversity. <i>Conservation Biology</i> , 2021, 35, 1944-1956.	4.7	25
28	Congruency between two traditional and eDNA-based sampling methods in characterising taxonomic and trait-based structure of fish communities and community-environment relationships in lentic environment. <i>Ecological Indicators</i> , 2021, 129, 107952.	6.3	32
29	How many replicates to accurately estimate fish biodiversity using environmental DNA on coral reefs?. <i>Ecology and Evolution</i> , 2021, 11, 14630-14643.	1.9	28
30	A practical guide to DNA-based methods for biodiversity assessment. , 2021, , .		57
31	Blind assessment of vertebrate taxonomic diversity across spatial scales by clustering environmental DNA metabarcoding sequences. <i>Ecography</i> , 2020, 43, 1779-1790.	4.5	37
32	Are all Buruli ulcers caused by <i>Mycobacterium ulcerans</i> ?. <i>British Journal of Dermatology</i> , 2020, 183, 968-970.	1.5	3
33	Using environmental DNA for detection of <i>Batrachochytrium salamandrivorans</i> in natural water. <i>Environmental DNA</i> , 2020, 2, 565-571.	5.8	11
34	Unlocking biodiversity and conservation studies in high-diversity environments using environmental DNA (eDNA): A test with Guianese freshwater fishes. <i>Molecular Ecology Resources</i> , 2019, 19, 27-46.	4.8	135
35	Foraging plasticity allows a large herbivore to persist in a sheltering forest habitat: DNA metabarcoding diet analysis of the European bison. <i>Forest Ecology and Management</i> , 2019, 449, 117474.	3.2	39
36	eDNA Increases the Detectability of Ranavirus Infection in an Alpine Amphibian Population. <i>Viruses</i> , 2019, 11, 526.	3.3	32

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37	Optimizing environmental DNA sampling effort for fish inventories in tropical streams and rivers. <i>Scientific Reports</i> , 2019, 9, 3085.	3.3	93
38	Diet of the brown bear in Himalaya: Combining classical and molecular genetic techniques. <i>PLoS ONE</i> , 2019, 14, e0225698.	2.5	12
39	Environmental DNA reveals quantitative patterns of fish biodiversity in large rivers despite its downstream transportation. <i>Scientific Reports</i> , 2018, 8, 10361.	3.3	274
40	Application of <i>eDNA</i> metabarcoding on faeces to identify European catfish <i>Silurus glanis</i> diet. <i>Journal of Fish Biology</i> , 2017, 90, 2214-2219.	1.6	37
41	<i>eDNA</i> metabarcoding: a promising method for anuran surveys in highly diverse tropical forests. <i>Molecular Ecology Resources</i> , 2017, 17, 904-914.	4.8	78
42	Environmental DNA characterization of amphibian communities in the Brazilian Atlantic forest: Potential application for conservation of a rich and threatened fauna. <i>Biological Conservation</i> , 2017, 215, 225-232.	4.1	34
43	Spatial Representativeness of Environmental DNA Metabarcoding Signal for Fish Biodiversity Assessment in a Natural Freshwater System. <i>PLoS ONE</i> , 2016, 11, e0157366.	2.5	167
44	Next-generation monitoring of aquatic biodiversity using environmental <i>eDNA</i> metabarcoding. <i>Molecular Ecology</i> , 2016, 25, 929-942.	3.9	873
45	Detection of a global aquatic invasive amphibian, <i>Xenopus laevis</i> , using environmental DNA. <i>Amphibia - Reptilia</i> , 2016, 37, 131-136.	0.5	23
46	Invasive North American bullfrogs transmit lethal fungus <i>Batrachochytrium dendrobatidis</i> infections to native amphibian host species. <i>Biological Invasions</i> , 2016, 18, 2299-2308.	2.4	35
47	Trails of river monsters: Detecting critically endangered Mekong giant catfish <i>Pangasianodon gigas</i> using environmental DNA. <i>Global Ecology and Conservation</i> , 2016, 7, 148-156.	2.1	50
48	Detection of Invasive Mosquito Vectors Using Environmental DNA (eDNA) from Water Samples. <i>PLoS ONE</i> , 2016, 11, e0162493.	2.5	83
49	Testing the potential of a ribosomal 16S marker for DNA metabarcoding of insects. <i>PeerJ</i> , 2016, 4, e1966.	2.0	111
50	Integrating microorganism and macroorganism dispersal: modes, techniques and challenges with particular focus on co-dispersal. <i>Ecoscience</i> , 2015, 22, 109-124.	1.4	35
51	Using <i>eDNA</i> to develop a national citizen science-based monitoring programme for the great crested newt ( <i>Triturus cristatus</i> ). <i>Biological Conservation</i> , 2015, 183, 19-28.	4.1	373
52	No Evidence for the Effect of MHC on Male Mating Success in the Brown Bear. <i>PLoS ONE</i> , 2014, 9, e113414.	2.5	8
53	The environmental biological signature: NGS profiling for forensic comparison of soils. <i>Forensic Science International</i> , 2014, 240, 41-47.	2.2	55
54	Environmental <i>eDNA</i> surveillance for invertebrate species: advantages and technical limitations to detect invasive crayfish <i>Procambarus clarkii</i> in freshwater ponds. <i>Journal of Applied Ecology</i> , 2014, 51, 871-879.	4.0	218

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55	Plant functional traits reveal the relative contribution of habitat and food preferences to the diet of grasshoppers. <i>Oecologia</i> , 2013, 173, 1459-1470.	2.0	69
56	Improved detection of an alien invasive species through environmental DNA barcoding: the example of the American bullfrog <i>Lithobates catesbeianus</i> . <i>Journal of Applied Ecology</i> , 2012, 49, 953-959.	4.0	447
57	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012, 21, 3647-3655.	3.9	262
58	Influence of management practices on large herbivore diet—Case of European bison in BiaÅ,owieÅ¼a Primeval Forest (Poland). <i>Forest Ecology and Management</i> , 2011, 261, 821-828.	3.2	154
59	Persistence of Environmental DNA in Freshwater Ecosystems. <i>PLoS ONE</i> , 2011, 6, e23398.	2.5	507
60	DNA Barcoding for Honey Biodiversity. <i>Diversity</i> , 2010, 2, 610-617.	1.7	90
61	Analysing diet of small herbivores: the efficiency of DNA barcoding coupled with high-throughput pyrosequencing for deciphering the composition of complex plant mixtures. <i>Frontiers in Zoology</i> , 2009, 6, 16.	2.0	233
62	DNA barcoding for ecologists. <i>Trends in Ecology and Evolution</i> , 2009, 24, 110-117.	8.7	803
63	Universal DNA-Based Methods for Assessing the Diet of Grazing Livestock and Wildlife from Feces. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5700-5706.	5.2	80
64	New perspectives in diet analysis based on DNA barcoding and parallel pyrosequencing: the <i>trnL</i> approach. <i>Molecular Ecology Resources</i> , 2009, 9, 51-60.	4.8	358
65	Genetic tracking of the brown bear in northern Pakistan and implications for conservation. <i>Biological Conservation</i> , 2007, 134, 537-547.	4.1	47
66	Power and limitations of the chloroplast <i>trnL</i> (UAA) intron for plant DNA barcoding. <i>Nucleic Acids Research</i> , 2007, 35, e14-e14.	14.5	842
67	GENETIC RELATIONSHIPS AMONG ANISAKIS SPECIES (NEMATODA: ANISAKIDAE) INFERRED FROM MITOCHONDRIAL COX2 SEQUENCES, AND COMPARISON WITH ALLOZYME DATA. <i>Journal of Parasitology</i> , 2006, 92, 156-166.	0.7	160
68	Circumglobal distribution of fish environmental DNA in coral reefs. <i>ARPHA Conference Abstracts</i> , 0, 4, .	0.0	0
69	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. <i>Research Ideas and Outcomes</i> , 0, 2, e11321.	1.0	154