Christopher L Jerde

List of Publications by Year
in descending order

66 papers	6,798 citations	136885 32 h-index	118793 62 g-index
67 all docs	67 docs citations	67 times ranked	5683 citing authors

#	Article	IF	Citations
1	Environmental DNA Methods for Ecological Monitoring and Biodiversity Assessment in Estuaries. Estuaries and Coasts, 2022, 45, 2254-2273.	1.0	16
2	Environmental conditions influence eDNA particle size distribution in aquatic systems. Environmental DNA, 2021, 3, 643-653.	3.1	38
3	Can we manage fisheries with the inherent uncertainty from eDNA?. Journal of Fish Biology, 2021, 98, 341-353.	0.7	99
4	What do you mean by false positive?. Environmental DNA, 2021, 3, 879-883.	3.1	36
5	Are Genetic Reference Libraries Sufficient for Environmental DNA Metabarcoding of Mekong River Basin Fish?. Water (Switzerland), 2021, 13, 1767.	1.2	9
6	Fishing Methods Matter: Comparing the Community and Trait Composition of the Dai (Bagnet) and Gillnet Fisheries in the Tonle Sap River in Southeast Asia. Water (Switzerland), 2021, 13, 1904.	1.2	1
7	At <scp>Palmyra Atoll</scp>, the fishâ€community environmental <scp>DNA</scp> signal changes across habitats but not with tides. Journal of Fish Biology, 2021, 98, 415-425.	0.7	37
8	A Review of Environmental Pollution from the Use and Disposal of Cigarettes and Electronic Cigarettes: Contaminants, Sources, and Impacts. Sustainability, 2021, 13, 12994.	1.6	18
9	Assessing the Global and Local Uncertainty of Scientific Evidence in the Presence of Model Misspecification. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	7
10	Population dynamics of threatened Lahontan cutthroat trout in Summit Lake, Nevada. Scientific Reports, 2020, 10, 9184.	1.6	6
11	Calibrating Environmental DNA Metabarcoding to Conventional Surveys for Measuring Fish Species Richness. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	74
12	Are Environmental DNA Methods Ready for Aquatic Invasive Species Management?. Trends in Ecology and Evolution, 2020, 35, 668-678.	4.2	118
13	Looking where it's hard to see: a case study documenting rare <scp><i>Eucyclogobius newberryi</i></scp> presence in a California lagoon. Journal of Fish Biology, 2020, 97, 572-576.	0.7	6
14	Population connectivity of adfluvial and stream-resident Lahontan cutthroat trout: implications for resilience, management, and restoration. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 426-437.	0.7	8
15	Strong Evidence for an Intraspecific Metabolic Scaling Coefficient Near 0.89 in Fish. Frontiers in Physiology, 2019, 10, 1166.	1.3	54
16	Measuring global fish species richness with <scp>eDNA</scp> metabarcoding. Molecular Ecology Resources, 2019, 19, 19-22.	2.2	48
17	High-Throughput Sequencing for Understanding the Ecology of Emerging Infectious Diseases at the Wildlife-Human Interface. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	20
18	Invasion Biology. , 2019, , 384-391.		1

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19	Detecting Southern Californiaâ€™s White Sharks With Environmental DNA. Frontiers in Marine Science, 2018, 5, .	1.2	52
20	Investigating diversity of pathogenic microbes in commercial bait trade water. PeerJ, 2018, 6, e5468.	0.9	14
21	Fish community assessment with eDNA metabarcoding: effects of sampling design and bioinformatic filtering. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1362-1374.	0.7	161
22	Controls on eDNA movement in streams: Transport, Retention, and Resuspension. Scientific Reports, 2017, 7, 5065.	1.6	218
23	Estimating species richness using environmental <scp>DNA</scp>. Ecology and Evolution, 2016, 6, 4214-4226.	0.8	169
24	A sensitive environmental DNA (eDNA) assay leads to new insights on Ruffe (Gymnocephalus cernua) spread in North America. Biological Invasions, 2016, 18, 3205-3222.	1.2	34
25	Confronting species distribution model predictions with species functional traits. Ecology and Evolution, 2016, 6, 873-879.	0.8	41
26	Using Environmental DNA for Invasive Species Surveillance and Monitoring. Methods in Molecular Biology, 2016, 1452, 131-142.	0.4	16
27	Influence of Stream Bottom Substrate on Retention and Transport of Vertebrate Environmental DNA. Environmental Science & Technology, 2016, 50, 8770-8779.	4.6	131
28	Risk Analysis and Bioeconomics of Invasive Species to Inform Policy and Management. Annual Review of Environment and Resources, 2016, 41, 453-488.	5.6	149
29	Modelling the transport of environmental DNA through a porous substrate using continuous flow-through column experiments. Journal of the Royal Society Interface, 2016, 13, 20160290.	1.5	57
30	Quantification of mesocosm fish and amphibian species diversity via environmental <scp>DNA</scp> metabarcoding. Molecular Ecology Resources, 2016, 16, 29-41.	2.2	311
31	Active and passive environmental DNA surveillance of aquatic invasive species. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 76-83.	0.7	98
32	Improving confidence in environmental <scp>DNA</scp> species detection. Molecular Ecology Resources, 2015, 15, 461-463.	2.2	26
33	Long duration, room temperature preservation of filtered eDNA samples. Conservation Genetics Resources, 2015, 7, 789-791.	0.4	31
34	The room temperature preservation of filtered environmental <scp>DNA</scp> samples and assimilation into a phenolâ€“chloroformâ€“isoamyl alcohol <scp>DNA</scp> extraction. Molecular Ecology Resources, 2015, 15, 168-176.	2.2	277
35	The use of environmental DNA in invasive species surveillance of the Great Lakes commercial bait trade. Conservation Biology, 2015, 29, 430-439.	2.4	51
36	Managing the introduction and spread of non-native aquatic plants in the Laurentian Great Lakes: a regional risk assessment approach. Management of Biological Invasions, 2015, 6, 45-55.	0.5	10

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37	Assessing the influence of different inland lake management strategies on human-mediated invasive species spread. Management of Biological Invasions, 2015, 6, 57-69.	0.5	10
38	Implementing invasive species control: a case study of multi-jurisdictional coordination at Lake Tahoe, USA. Management of Biological Invasions, 2015, 6, 319-328.	0.5	6
39	Successful survival, growth, and reproductive potential of quagga mussels in low calcium lake water: is there uncertainty of establishment risk?. PeerJ, 2015, 3, e1276.	0.9	12
40	Estimating relative risk of within-lake aquatic plant invasion using combined measures of recreational boater movement and habitat suitability. PeerJ, 2015, 3, e845.	0.9	5
41	Grass carp in the Great Lakes region: establishment potential, expert perceptions, and re-evaluation of experimental evidence of ecological impact. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 992-999.	0.7	54
42	Particle size distribution and optimal capture of aqueous macrobial <scp>eDNA</scp>. Methods in Ecology and Evolution, 2014, 5, 676-684.	2.2	361
43	Geographic selection bias of occurrence data influences transferability of invasive <i><scp>H</scp>ydrilla verticillata</i> distribution models. Ecology and Evolution, 2014, 4, 2584-2593.	0.8	31
44	Quantifying Environmental DNA Signals for Aquatic Invasive Species Across Multiple Detection Platforms. Environmental Science & Technology, 2014, 48, 12800-12806.	4.6	168
45	Meta-genomic surveillance of invasive species in the bait trade. Conservation Genetics Resources, 2014, 6, 563-567.	0.4	37
46	Environmental Conditions Influence eDNA Persistence in Aquatic Systems. Environmental Science & Technology, 2014, 48, 1819-1827.	4.6	661
47	Internet and Free Press Are Associated with Reduced Lags in Global Outbreak Reporting. PLOS Currents, 2014, 6, .	1.4	5
48	An assessment of angler education and bait trade regulations to prevent invasive species introductions in the Laurentian Great Lakes. Management of Biological Invasions, 2014, 5, 319-326.	0.5	23
49	Detection of Asian carp DNA as part of a Great Lakes basin-wide surveillance program. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 522-526.	0.7	255
50	Viability of Aquatic Plant Fragments following Desiccation. Invasive Plant Science and Management, 2013, 6, 320-325.	0.5	32
51	The roles of complement receptor 3 and FcÎ³ receptors during <i>Leishmania</i> phagosome maturation. Journal of Leukocyte Biology, 2013, 93, 921-932.	1.5	24
52	Validation of eDNA Surveillance Sensitivity for Detection of Asian Carps in Controlled and Field Experiments. PLoS ONE, 2013, 8, e58316.	1.1	149
53	Response to Casey <i>et al.</i>'s sensitivity of detecting environmental DNA comment. Conservation Letters, 2012, 5, 241-242.	2.8	3
54	Global Introductions of Crayfishes: Evaluating the Impact of Species Invasions on Ecosystem Services. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 449-472.	3.8	202

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55	Weed Risk Assessment for Aquatic Plants: Modification of a New Zealand System for the United States. PLoS ONE, 2012, 7, e40031.	1.1	42
56	Conservation in a cup of water: estimating biodiversity and population abundance from environmental DNA. Molecular Ecology, 2012, 21, 2555-2558.	2.0	248
57	Eurasian watermilfoil fitness loss and invasion potential following desiccation during simulated overland transport. Aquatic Invasions, 2012, 7, 135-142.	0.6	14
58	â€œSight-unseenâ€•detection of rare aquatic species using environmental DNA. Conservation Letters, 2011, 4, 150-157.	2.8	929
59	Identifying Movement States From Location Data Using Cluster Analysis. Journal of Wildlife Management, 2010, 74, 588-594.	0.7	59
60	Chance Establishment for Sexual, Semelparous Species: Overcoming the Allee Effect. American Naturalist, 2009, 173, 734-746.	1.0	33
61	Inferring linear feature use in the presence of GPS measurement error. Environmental and Ecological Statistics, 2009, 16, 531-546.	1.9	24
62	PREDICTING INVASION RISK USING MEASURES OF INTRODUCTION EFFORT AND ENVIRONMENTAL NICHE MODELS. , 2007, 17, 663-674.		122
63	Waiting for Invasions: A Framework for the Arrival of Nonindigenous Species. American Naturalist, 2007, 170, 1-9.	1.0	98
64	Application of random effects to the study of resource selection by animals. Journal of Animal Ecology, 2006, 75, 887-898.	1.3	615
65	GPS MEASUREMENT ERROR INFLUENCES ON MOVEMENT MODEL PARAMETERIZATION. , 2005, 15, 806-810.		83
66	Estimating fish alpha- and beta-diversity along a small stream with environmental DNA metabarcoding. Metabarcoding and Metagenomics, 0, 2, e24262.	0.0	48