Matthew A Barnes

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5053132/publications.pdf

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34	3,038	394421	395702
papers	citations	19	33
		h-index	g-index

35	35	35	3229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plantâ€“animal interactions in the era of environmental <scp>DNA</scp> (<scp>eDNA</scp>)â€”A review. Environmental DNA, 2022, 4, 987-999.	5.8	17
2	Environmental DNA Methods for Ecological Monitoring and Biodiversity Assessment in Estuaries. Estuaries and Coasts, 2022, 45, 2254-2273.	2.2	16
3	Environmental conditions influence eDNA particle size distribution in aquatic systems. Environmental DNA, 2021, 3, 643-653.	5.8	38
4	Airborne eDNA Reflects Human Activity and Seasonal Changes on a Landscape Scale. Frontiers in Environmental Science, 2021, 8, .	3.3	14
5	Tradeâ€offs between reducing complex terminology and producing accurate interpretations from environmental DNA: Comment on â€œEnvironmental DNA: What's behind the term?â€•by Pawlowski et al., (2020). Molecular Ecology, 2021, 30, 4601-4605.	3.9	60
6	Editorial: Environmental DNA Innovations for Conservation. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	1
7	Airborne environmental DNA metabarcoding detects more diversity, with less sampling effort, than a traditional plant community survey. Bmc Ecology and Evolution, 2021, 21, 218.	1.6	24
8	Key Questions for Next-Generation Biomonitoring. Frontiers in Environmental Science, 2020, 7, .	3.3	68
9	Detection of the Amphibian Pathogens Chytrid Fungus (Batrachochytrium dendrobatidis) and Ranavirus in West Texas, USA, Using Environmental DNA. Journal of Wildlife Diseases, 2020, 56, 702.	0.8	11
10	Using species distribution models to guide seagrass management. Estuarine, Coastal and Shelf Science, 2020, 240, 106790.	2.1	18
11	Predicting suitable habitat for dreissenid mussel invasion in Texas based on climatic and lake physical characteristics. Management of Biological Invasions, 2020, 11, 63-79.	1.2	4
12	Place-Based Learning with Out-of-Place Species & Students: Teaching International Students about Biological Invasions. American Biology Teacher, 2019, 81, 503-506.	0.2	3
13	Analyzing airborne environmental DNA: A comparison of extraction methods, primer type, and trap type on the ability to detect airborne eDNA from terrestrial plant communities. Environmental DNA, 2019, 1, 176-185.	5.8	38
14	The detection of a non-anemophilous plant species using airborne eDNA. PLoS ONE, 2019, 14, e0225262.	2.5	32
15	THE STATUS OF PSEUDOGYMNOASCUS DESTRUCTANS IN LOUISIANA. Southwestern Naturalist, 2019, 63, 216.	0.1	3
16	Preliminary analysis reveals sediment burial decreases mass loss and increases survival of the aquatic invasive plant Hydrilla verticillata following desiccation over short time scales. Management of Biological Invasions, 2017, 8, 517-522.	1.2	2
17	Confronting species distribution model predictions with species functional traits. Ecology and Evolution, 2016, 6, 873-879.	1.9	41
18	Risk Analysis and Bioeconomics of Invasive Species to Inform Policy and Management. Annual Review of Environment and Resources, 2016, 41, 453-488.	13.4	149

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19	The ecology of environmental DNA and implications for conservation genetics. Conservation Genetics, 2016, 17, 1-17.	1.5	713
20	Particle size distribution and optimal capture of aqueous macrobial <scp>eDNA</scp>. Methods in Ecology and Evolution, 2014, 5, 676-684.	5.2	361
21	Geographic selection bias of occurrence data influences transferability of invasive <scp>H</scp>ydrilla verticillata distribution models. Ecology and Evolution, 2014, 4, 2584-2593.	1.9	31
22	Environmental Conditions Influence eDNA Persistence in Aquatic Systems. Environmental Science & Technology, 2014, 48, 1819-1827.	10.0	661
23	Adapting to invasions in a changing world: invasive species as an economic resource.. , 2014, , 326-344.		4
24	Rapid Invasive Species Detection by Combining Environmental DNA with Light Transmission Spectroscopy. Conservation Letters, 2013, 6, 402-409.	5.7	55
25	Viability of Aquatic Plant Fragments following Desiccation. Invasive Plant Science and Management, 2013, 6, 320-325.	1.1	32
26	DNA-based species detection capabilities using laser transmission spectroscopy. Journal of the Royal Society Interface, 2013, 10, 20120637.	3.4	18
27	Global Introductions of Crayfishes: Evaluating the Impact of Species Invasions on Ecosystem Services. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 449-472.	8.3	202
28	Integrating Theoretical Components: A Graphical Model for Graduate Students and Researchers. BioScience, 2012, 62, 594-602.	4.9	3
29	Conservation in a cup of water: estimating biodiversity and population abundance from environmental DNA. Molecular Ecology, 2012, 21, 2555-2558.	3.9	248
30	Eurasian watermilfoil fitness loss and invasion potential following desiccation during simulated overland transport. Aquatic Invasions, 2012, 7, 135-142.	1.6	14
31	Quantitative and Rapid DNA Detection by Laser Transmission Spectroscopy. PLoS ONE, 2011, 6, e29224.	2.5	26
32	Molecular Detection of Invasive Species in Heterogeneous Mixtures Using a Microfluidic Carbon Nanotube Platform. PLoS ONE, 2011, 6, e17280.	2.5	31
33	Fecundity of the exotic applesnail,Pomacea insularum. Journal of the North American Benthological Society, 2008, 27, 738-745.	3.1	53
34	Juvenile snails, adult appetites: contrasting resource consumption between two species of applesnails (Pomacea). Journal of Molluscan Studies, 2007, 74, 47-54.	1.2	45