

John A Darling

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4682568/publications.pdf>

Version: 2024-02-01

53
papers

4,096
citations

159585

30
h-index

175258

52
g-index

55
all docs

55
docs citations

55
times ranked

4999
citing authors

#	ARTICLE	IF	CITATIONS
1	Paradox lost: genetic diversity and the success of aquatic invasions. <i>Trends in Ecology and Evolution</i> , 2007, 22, 454-464.	8.7	692
2	How important is intraspecific genetic admixture to the success of colonising populations?. <i>Trends in Ecology and Evolution</i> , 2014, 29, 233-242.	8.7	401
3	From molecules to management: Adopting DNA-based methods for monitoring biological invasions in aquatic environments. <i>Environmental Research</i> , 2011, 111, 978-988.	7.5	383
4	Genetic patterns across multiple introductions of the globally invasive crab genus <i>Carcinus</i> . <i>Molecular Ecology</i> , 2008, 17, 4992-5007.	3.9	214
5	Genetic Perspectives on Marine Biological Invasions. <i>Annual Review of Marine Science</i> , 2010, 2, 367-393.	11.6	207
6	DNA-based methods for monitoring invasive species: a review and prospectus. <i>Biological Invasions</i> , 2007, 9, 751-765.	2.4	205
7	Rising starlet: the starlet sea anemone, <i>Nematostella vectensis</i> . <i>BioEssays</i> , 2005, 27, 211-221.	2.5	189
8	Satellite monitoring of cyanobacterial harmful algal bloom frequency in recreational waters and drinking water sources. <i>Ecological Indicators</i> , 2017, 80, 84-95.	6.3	124
9	Trends in the detection of aquatic non-indigenous species across global marine, estuarine and freshwater ecosystems: A 50-year perspective. <i>Diversity and Distributions</i> , 2020, 26, 1780-1797.	4.1	118
10	Purine Salvage Pathways in the Apicomplexan Parasite <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 31221-31227.	3.4	109
11	A hitchhiker's guide to the Maritimes: anthropogenic transport facilitates long-distance dispersal of an invasive marine crab to Newfoundland. <i>Diversity and Distributions</i> , 2010, 16, 879-891.	4.1	90
12	Early detection monitoring for aquatic non-indigenous species: Optimizing surveillance, incorporating advanced technologies, and identifying research needs. <i>Journal of Environmental Management</i> , 2017, 202, 299-310.	7.8	77
13	Recommendations for developing and applying genetic tools to assess and manage biological invasions in marine ecosystems. <i>Marine Policy</i> , 2017, 85, 54-64.	3.2	74
14	Genetic analysis reveals multiple cryptic invasive species of the hydrozoan genus <i>Cordylophora</i> . <i>Biological Invasions</i> , 2009, 11, 1869-1882.	2.4	71
15	Beyond propagule pressure: importance of selection during the transport stage of biological invasions. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 345-353.	4.0	59
16	European green crabs (<i>Carcinus maenas</i>) in the northeastern Pacific: genetic evidence for high population connectivity and current-mediated expansion from a single introduced source population. <i>Diversity and Distributions</i> , 2009, 15, 997-1009.	4.1	58
17	A Framework for Understanding Marine Cosmopolitanism in the Anthropocene. <i>Frontiers in Marine Science</i> , 2018, 5, 293.	2.5	57
18	Quantifying national and regional cyanobacterial occurrence in US lakes using satellite remote sensing. <i>Ecological Indicators</i> , 2020, 111, 105976.	6.3	55

#	ARTICLE	IF	CITATIONS
19	Regional population structure of a widely introduced estuarine invertebrate: <i>Nematostella vectensis</i> Stephenson in New England. <i>Molecular Ecology</i> , 2004, 13, 2969-2981.	3.9	51
20	Complex genetic patterns in closely related colonizing invasive species. <i>Ecology and Evolution</i> , 2012, 2, 1331-1346.	1.9	50
21	Marine invasions enter the genomic era: three lessons from the past, and the way forward. <i>Environmental Epigenetics</i> , 2016, 62, 629-642.	1.8	50
22	Global population genetic structure of the starlet anemone <i>Nematostella vectensis</i> : multiple introductions and implications for conservation policy. <i>Biological Invasions</i> , 2008, 10, 1197-1213.	2.4	47
23	The Quagga Mussel Invades the Lake Superior Basin. <i>Journal of Great Lakes Research</i> , 2008, 34, 342-350.	1.9	47
24	Ecology of cryptic invasions: latitudinal segregation among <i>Watersipora</i> (Bryozoa) species. <i>Scientific Reports</i> , 2012, 2, 871.	3.3	46
25	Genetic analysis across different spatial scales reveals multiple dispersal mechanisms for the invasive hydrozoan <i>Cordylophora</i> in the Great Lakes. <i>Molecular Ecology</i> , 2009, 18, 4827-4840.	3.9	44
26	Recombinant expression, purification, and characterization of <i>Toxoplasma gondii</i> adenosine kinase. <i>Molecular and Biochemical Parasitology</i> , 1999, 103, 15-23.	1.1	43
27	How to learn to stop worrying and love environmental DNA monitoring. <i>Aquatic Ecosystem Health and Management</i> , 2019, 22, 440-451.	0.6	39
28	Satellite remote sensing to assess cyanobacterial bloom frequency across the United States at multiple spatial scales. <i>Ecological Indicators</i> , 2021, 128, 107822.	6.3	39
29	What do you mean by false positive?. <i>Environmental DNA</i> , 2021, 3, 879-883.	5.8	36
30	Interspecific Hybridization and Mitochondrial Introgression in Invasive <i>Carcinus</i> Shore Crabs. <i>PLoS ONE</i> , 2011, 6, e17828.	2.5	35
31	Genetic studies of aquatic biological invasions: closing the gap between research and management. <i>Biological Invasions</i> , 2015, 17, 951-971.	2.4	35
32	The risks of using molecular biodiversity data for incidental detection of species of concern. <i>Diversity and Distributions</i> , 2020, 26, 1116-1121.	4.1	34
33	Ballast Water Exchange and Invasion Risk Posed by Intracoastal Vessel Traffic: An Evaluation Using High Throughput Sequencing. <i>Environmental Science & Technology</i> , 2018, 52, 9926-9936.	10.0	32
34	Recreational freshwater fishing drives non-native aquatic species richness patterns at a continental scale. <i>Diversity and Distributions</i> , 2017, 23, 692-702.	4.1	31
35	Molecular Detection of Invasive Species in Heterogeneous Mixtures Using a Microfluidic Carbon Nanotube Platform. <i>PLoS ONE</i> , 2011, 6, e17280.	2.5	31
36	BIODIVERSITY RESEARCH: Genetic diversity in two introduced biofouling amphipods (<i>Ampithoe</i>) molecular identification and cryptic diversity. <i>Diversity and Distributions</i> , 2010, 16, 827-839.	4.1	30

#	ARTICLE	IF	CITATIONS
37	Intracoastal shipping drives patterns of regional population expansion by an invasive marine invertebrate. <i>Ecology and Evolution</i> , 2012, 2, 2557-2566.	1.9	29
38	Are genes faster than crabs? Mitochondrial introgression exceeds larval dispersal during population expansion of the invasive crab <i>Carcinus maenas</i> . <i>Royal Society Open Science</i> , 2014, 1, 140202.	2.4	25
39	Nucleic acids-based tools for ballast water surveillance, monitoring, and research. <i>Journal of Sea Research</i> , 2018, 133, 43-52.	1.6	23
40	Assessing cyanobacterial frequency and abundance at surface waters near drinking water intakes across the United States. <i>Water Research</i> , 2021, 201, 117377.	11.3	20
41	Human-mediated transport determines the non-native distribution of the anemone <i>Nematostella vectensis</i> , a dispersal-limited estuarine invertebrate. <i>Marine Ecology - Progress Series</i> , 2009, 380, 137-146.	1.9	19
42	Geographic range and structure of cryptic genetic diversity among Pacific North American populations of the non-native amphipod <i>Grandidierella japonica</i> . <i>Biological Invasions</i> , 2013, 15, 2415-2428.	2.4	18
43	Genetic structure of the benthic amphipod <i>Diporeia</i> (Amphipoda: Pontoporeiidae) and its relationship to abundance in Lake Superior. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1318-1327.	1.4	12
44	Highly sensitive detection of invasive shore crab (<i>Carcinus maenas</i> and <i>Carcinus aestuarii</i>) larvae in mixed plankton samples using polymerase chain reaction and restriction fragment length polymorphisms (PCR-RFLP). <i>Aquatic Invasions</i> , 2008, 3, 141-152.	1.6	11
45	Metabarcoding quantifies differences in accumulation of ballast water borne biodiversity among three port systems in the United States. <i>Science of the Total Environment</i> , 2020, 749, 141456.	8.0	7
46	International shipping as a potent vector for spreading marine parasites. <i>Diversity and Distributions</i> , 2022, 28, 1922-1933.	4.1	6
47	Microsatellite loci for the invasive colonial hydrozoan <i>Cordylophora caspia</i> . <i>Molecular Ecology Resources</i> , 2008, 8, 968-970.	4.8	5
48	High-throughput Illumina sequencing and microsatellite design in <i>Watersipora</i> (Bryozoa), a complex of invasive species. <i>Conservation Genetics Resources</i> , 2014, 6, 1053-1055.	0.8	3
49	<i>Toxoplasma</i> as a Model Apicomplexan Parasite: Biochemistry, Cell Biology, Molecular Genetics, Genomics and Beyond. , 2000, , 143-167.		3
50	Characterization of microsatellite loci in the widely introduced estuarine anemone <i>Nematostella vectensis</i> . <i>Molecular Ecology Notes</i> , 2006, 6, 803-805.	1.7	2
51	MOLTOOLS: a workshop on "Molecular tools for monitoring marine invasive species". <i>Biological Invasions</i> , 2015, 17, 809-813.	2.4	2
52	The Value of Barcoding. <i>BioScience</i> , 2006, 56, 710.	4.9	1
53	A method for quantifying the number of U.S. lakes with cyanobacterial harmful algal blooms using satellite remote sensing. , 2018, , .		0