

Robert H Hanner

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,359
citations

411340

20
h-index

425179

34
g-index

59
all docs

59
docs citations

59
times ranked

2199
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental DNA detection and abundance estimates comparable to conventional methods for three freshwater larval species at a power plant discharge. <i>Environmental DNA</i> , 2022, 4, 700-714.	3.1	3
2	The Multiple States of Environmental DNA and What Is Known about Their Persistence in Aquatic Environments. <i>Environmental Science & Technology</i> , 2022, 56, 5322-5333.	4.6	67
3	Assessment of stream macroinvertebrate communities with eDNA is not congruent with tissue-based metabarcoding. <i>Molecular Ecology</i> , 2021, 30, 3239-3251.	2.0	38
4	Commentary: integrating environmental DNA into applied ecological practice. <i>Journal of Environmental Studies and Sciences</i> , 2021, 11, 6-11.	0.9	5
5	Maternal inheritance of mitochondrial DNA in mice after inter-species hybridization and 138 generations of backcrossing. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2021, 32, 73-75.	0.7	1
6	Optimization and validation of a cost-effective protocol for biosurveillance of invasive alien species. <i>Ecology and Evolution</i> , 2021, 11, 1999-2014.	0.8	13
7	Environmental DNA detection of endangered and invasive species in Kejimikujik National Park and Historic Site. <i>Genome</i> , 2021, 64, 172-180.	0.9	4
8	Spatial Fingerprinting: Horizontal Fusion of Multi-Dimensional Bio-Tracers as Solution to Global Food Provenance Problems. <i>Foods</i> , 2021, 10, 717.	1.9	3
9	Probing into the Effects of Grapevine Leafroll-Associated Viruses on the Physiology, Fruit Quality and Gene Expression of Grapes. <i>Viruses</i> , 2021, 13, 593.	1.5	28
10	Validation of FASTFISH-ID: A new commercial platform for rapid fish species authentication via universal closed-tube barcoding. <i>Food Research International</i> , 2021, 141, 110035.	2.9	8
11	Environmental DNA bioassays corroborate field data for detection of overwintering species at risk Blanding's turtles (<i>Emydoidea blandingii</i>). <i>Genome</i> , 2021, 64, 299-310.	0.9	8
12	Validation of an Effective Protocol for Culicoides Latreille (Diptera: Ceratopogonidae) Detection Using eDNA Metabarcoding. <i>Insects</i> , 2021, 12, 401.	1.0	3
13	Molecular Taxonomy and Diversification of Atlantic Skates (Chondrichthyes, Rajiformes): Adding More Pieces to the Puzzle of Their Evolutionary History. <i>Life</i> , 2021, 11, 596.	1.1	6
14	Canadian Greenhouse Operations and Their Potential to Enhance Domestic Food Security. <i>Agronomy</i> , 2021, 11, 1229.	1.3	7
15	Plant Community Structure within a Reclamation Field Trial and Forested Reference Sites in a Post-Mine Environment. <i>Forests</i> , 2021, 12, 776.	0.9	1
16	Detection of SARS-CoV-2 on surfaces in food retailers in Ontario. <i>Current Research in Food Science</i> , 2021, 4, 598-602.	2.7	17
17	Genome-wide screening of novel RT-qPCR reference genes for study of GLRaV-3 infection in wine grapes and refinement of an RNA isolation protocol for grape berries. <i>Plant Methods</i> , 2021, 17, 110.	1.9	7
18	Real-time PCR assays for identification of commonly entrained freshwater species from the great lakes. <i>Conservation Genetics Resources</i> , 2020, 12, 125-130.	0.4	1

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19	Exploring community assembly among Javanese and Balinese freshwater shrimps (Atyidae.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	1.0	4
20	Rapid cooling via dry ice preserves the genetic and morphological integrity of fish embryos. <i>Journal of Fish Biology</i> , 2020, 96, 820-824.	0.7	0
21	Pathway to Increase Standards and Competency of eDNA Surveys (PISCeS)â€™ Advancing collaboration and standardization efforts in the field of eDNA. <i>Environmental DNA</i> , 2020, 2, 255-260.	3.1	32
22	Validating environmental DNA metabarcoding for marine fishes in diverse ecosystems using a public aquarium. <i>Environmental DNA</i> , 2020, 2, 330-342.	3.1	26
23	Characterization of the microbiota of commercially traded finfish fillets. <i>Food Research International</i> , 2020, 137, 109373.	2.9	14
24	Dimethyldimethyl Hydantoin: An Alternative Fluid for Morphological and Genetic Preservation. <i>Biopreservation and Biobanking</i> , 2020, 18, 283-289.	0.5	2
25	An analysis of metadata reporting in freshwater environmental DNA research calls for the development of best practice guidelines. <i>Environmental DNA</i> , 2020, 2, 343-349.	3.1	33
26	Detection of freshwater mussels (Unionidae) using environmental DNA in riverine systems. <i>Environmental DNA</i> , 2020, 2, 321-329.	3.1	28
27	A mesocosm comparison of laboratoryâ€™based and onâ€™site eDNA solutions for detection and quantification of striped bass (<i>Morone saxatilis</i>) in marine ecosystems. <i>Environmental DNA</i> , 2020, 2, 298-308.	3.1	16
28	HACSim: an R package to estimate intraspecific sample sizes for genetic diversity assessment using haplotype accumulation curves. <i>PeerJ Computer Science</i> , 2020, 6, e243.	2.7	18
29	Molecular Detection Mapping and Analysis Platform for R (MDMAPR) facilitating the standardization, analysis, visualization, and sharing of qPCR data and metadata. <i>PeerJ</i> , 2020, 8, e9974.	0.9	2
30	Multi-instrument Evaluation of a Real-time PCR Assay for Identification of Atlantic Salmon: a Case Study on the Use of a Pre-packaged Kit for Rapid Seafood Species Identification. <i>Food Analytical Methods</i> , 2019, 12, 2474-2479.	1.3	8
31	DNA barcodes reveal inconsistent species boundaries in <i>Diplolepis</i> rose gall wasps and their <i>Periclistus</i> inquillines (Hymenoptera: Cynipidae). <i>Canadian Entomologist</i> , 2019, 151, 717-727.	0.4	11
32	Using DNA barcoding to improve invasive pest identification at U.S. ports-of-entry. <i>PLoS ONE</i> , 2019, 14, e0222291.	1.1	46
33	Re-visiting the occurrence of undeclared species in sausage products sold in Canada. <i>Food Research International</i> , 2019, 122, 593-598.	2.9	20
34	Survey of mislabelling across finfish supply chain reveals mislabelling both outside and within Canada. <i>Food Research International</i> , 2019, 121, 723-729.	2.9	39
35	Recommendations for Validation of Real-Time PCR Methods for Molecular Diagnostic Identification of Botanicals. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1767-1773.	0.7	4
36	Recommendations for Validation of Real-Time PCR Methods for Molecular Diagnostic Identification of Botanicals. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1767-1773.	0.7	17

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37	When too much isn't enough: Does current food production meet global nutritional needs?. PLoS ONE, 2018, 13, e0205683.	1.1	110
38	Assessing off-target cytotoxicity of the field lampricide 3-trifluoromethyl-4-nitrophenol using novel lake sturgeon cell lines. Ecotoxicology and Environmental Safety, 2018, 162, 536-545.	2.9	8
39	Revisiting the ichthyodiversity of Java and Bali through DNA barcodes: taxonomic coverage, identification accuracy, cryptic diversity and identification of exotic species. Molecular Ecology Resources, 2017, 17, 288-299.	2.2	57
40	Whole Genome Amplification Provides Suitable Control DNA for Use in DNA Barcoding Applications. Biopreservation and Biobanking, 2017, 15, 277-279.	0.5	2
41	Mislabeling Seafood Does Not Promote Sustainability: A Comment on Stawitz <i>et al.</i> (2016). Conservation Letters, 2017, 10, 781-782.	2.8	7
42	Isotopic Structure of Lake Whitefish in Lake Huron: Evidence for Regional and Local Populations Based on Resource Use. North American Journal of Fisheries Management, 2017, 37, 133-148.	0.5	7
43	DNA barcodes identify medically important tick species in Canada. Genome, 2017, 60, 74-84.	0.9	25
44	Improving the Conservation of Mediterranean Chondrichthyans: The ELASMOMED DNA Barcode Reference Library. PLoS ONE, 2017, 12, e0170244.	1.1	47
45	Droplet digital polymerase chain reaction (ddPCR) assays integrated with an internal control for quantification of bovine, porcine, chicken and turkey species in food and feed. PLoS ONE, 2017, 12, e0182872.	1.1	59
46	DNA-based identification of invasive alien species in relation to Canadian federal policy and law, and the basis of rapid-response management. Genome, 2016, 59, 1023-1031.	0.9	12
47	Increased taxonomic resolution of Laurentian Great Lakes ichthyoplankton through DNA barcoding: A case study comparison against visual identification of larval fishes from Stokes Bay, Lake Huron. Journal of Great Lakes Research, 2016, 42, 812-818.	0.8	13
48	Mitogenome metadata: current trends and proposed standards. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3263-3269.	0.7	6
49	Fast fish face fewer mitochondrial mutations: Patterns of dN/dS across fish mitogenomes. Gene, 2015, 572, 27-34.	1.0	26
50	Calibrating Snakehead Diversity with DNA Barcodes: Expanding Taxonomic Coverage to Enable Identification of Potential and Established Invasive Species. PLoS ONE, 2014, 9, e99546.	1.1	18
51	DNA barcodes identify marine fishes of South America and Brazil. Molecular Ecology Resources, 2012, 12, 1012-1020.	2.2	70
52	FISH-BOL and seafood identification: Geographically dispersed case studies reveal systemic market substitution across Canada. Mitochondrial DNA, 2011, 22, 106-122.	0.6	131
53	DNA Barcoding Identifies Argentine Fishes from Marine and Brackish Waters. PLoS ONE, 2011, 6, e28655.	1.1	91
54	DNA barcoding of billfishes. Mitochondrial DNA, 2011, 22, 27-36.	0.6	38

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55	Common goals: policy implications of DNA barcoding as a protocol for identification of arthropod pests. <i>Biological Invasions</i> , 2010, 12, 2947-2954.	1.2	52
56	Genomic Diversity Research and the Role of Biorepositories. <i>Cell Preservation Technology</i> , 2007, 5, 93-103.	0.8	23