

# Neil Davies

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1478302/publications.pdf>

Version: 2024-02-01

62  
papers

2,634  
citations

257450

24  
h-index

197818

49  
g-index

63  
all docs

63  
docs citations

63  
times ranked

4487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the source of individuals: multilocus genotyping in nonequilibrium population genetics. <i>Trends in Ecology and Evolution</i> , 1999, 14, 17-21.	8.7	201
2	Genomics in marine monitoring: New opportunities for assessing marine health status. <i>Marine Pollution Bulletin</i> , 2013, 74, 19-31.	5.0	196
3	The ocean sampling day consortium. <i>GigaScience</i> , 2015, 4, 27.	6.4	185
4	Evolution of Male-Killer Suppression in a Natural Population. <i>PLoS Biology</i> , 2006, 4, e283.	5.6	181
5	INFERENCES FROM A RAPIDLY MOVING HYBRID ZONE. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 741-753.	2.3	138
6	Extraordinary Flux in Sex Ratio. <i>Science</i> , 2007, 317, 214-214.	12.6	130
7	Semantics in Support of Biodiversity Knowledge Discovery: An Introduction to the Biological Collections Ontology and Related Ontologies. <i>PLoS ONE</i> , 2014, 9, e89606.	2.5	111
8	A decadal view of biodiversity informatics: challenges and priorities. <i>BMC Ecology</i> , 2013, 13, 16.	3.0	110
9	Male-Killing Bacteria Trigger a Cycle of Increasing Male Fatigue and Female Promiscuity. <i>Current Biology</i> , 2007, 17, 273-277.	3.9	94
10	The joint evolutionary histories of Wolbachia and mitochondria in <i>Hypolimnas bolina</i> . <i>BMC Evolutionary Biology</i> , 2009, 9, 64.	3.2	92
11	Bioinvasions of the Medfly <i>Ceratitis capitata</i> : Source Estimation Using DNA Sequences at Multiple Intron Loci. <i>Genetics</i> , 1999, 153, 351-360.	2.9	92
12	YOU CAN'T KEEP A GOOD PARASITE DOWN: EVOLUTION OF A MALE-KILLER SUPPRESSOR UNCOVERS CYTOPLASMIC INCOMPATIBILITY. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1258-1263.	2.3	80
13	The Genomic Observatories Metadatabase (GeOMe): A new repository for field and sampling event metadata associated with genetic samples. <i>PLoS Biology</i> , 2017, 15, e2002925.	5.6	72
14	Prevalence and penetrance variation of male-killing Wolbachia across Indo-Pacific populations of the butterfly <i>Hypolimnas bolina</i> . <i>Molecular Ecology</i> , 2005, 14, 3525-3530.	3.9	64
15	COVID-19 pandemic reveals the peril of ignoring metadata standards. <i>Scientific Data</i> , 2020, 7, 188.	5.3	56
16	Very high resolution mapping of coral reef state using airborne bathymetric LiDAR surface-intensity and drone imagery. <i>International Journal of Remote Sensing</i> , 2018, 39, 5676-5688.	2.9	53
17	Speciation in two neotropical butterflies: extending Haldane's rule. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 845-851.	2.6	51
18	The founding charter of the Genomic Observatories Network. <i>GigaScience</i> , 2014, 3, 2.	6.4	51

#	ARTICLE	IF	CITATIONS
19	Engineering an invasion: classical biological control of the glassy-winged sharpshooter, <i>Homalodisca vitripennis</i> , by the egg parasitoid <i>Gonatocerus ashmeadi</i> in Tahiti and Moorea, French Polynesia. <i>Biological Invasions</i> , 2008, 10, 135-148.	2.4	45
20	PCR and dissection as tools to monitor filarial infection of <i>Aedes polynesiensis</i> mosquitoes in French Polynesia. <i>Parasites and Vectors</i> , 2006, 5, 2.	1.3	39
21	Competing Selfish Genetic Elements in the Butterfly <i>Hypolimnas bolina</i> . <i>Current Biology</i> , 2006, 16, 2453-2458.	3.9	34
22	A Marine Biodiversity Observation Network for Genetic Monitoring of Hard-Bottom Communities (ARMS-MBON). <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	34
23	Invasion of French Polynesia by the Glassy-Winged Sharpshooter, <i>Homalodisca coagulata</i> (Hemiptera: Tj ETQq1 1 0,784314, 0,6 BT /Over	0.6	32
24	Disrupting the timing of <i>Wolbachia</i> -induced male-killing. <i>Biology Letters</i> , 2007, 3, 154-156.	2.3	30
25	Genomic Standards Consortium Projects. <i>Standards in Genomic Sciences</i> , 2014, 9, 599-601.	1.5	26
26	Monitoring Changes in Genetic Diversity. , 2017, , 107-128.		26
27	A call for an international network of genomic observatories (GOs). <i>GigaScience</i> , 2012, 1, 5.	6.4	25
28	High resolution topobathymetry using a Pleiades-1 triplet: Moorea Island in 3D. <i>Remote Sensing of Environment</i> , 2018, 208, 109-119.	11.0	25
29	Invasion Genetics of New World Medflies: Testing Alternative Colonization Scenarios. <i>Biological Invasions</i> , 2001, 3, 103-111.	2.4	24
30	Successful spread of a biocontrol agent reveals a biosecurity failure: elucidating long distance invasion pathways for <i>Gonatocerus ashmeadi</i> in French Polynesia. <i>BioControl</i> , 2009, 54, 485-495.	2.0	24
31	A genomic network to monitor Earth. <i>Nature</i> , 2012, 481, 145-145.	27.8	24
32	Invasion dynamics of the glassy-winged sharpshooter <i>Homalodisca vitripennis</i> (Germar) (Hemiptera: Tj ETQq0 0 0, 0, 0 BT /Overlock 10 Tf	2.4	23
33	Short-distance dispersal behavior and establishment of the parasitoid <i>Gonatocerus ashmeadi</i> (Hymenoptera: Mymaridae) in Tahiti: Implications for its use as a biological control agent against <i>Homalodisca vitripennis</i> (Hemiptera: Cicadellidae). <i>Biological Control</i> , 2008, 45, 344-352.	3.0	21
34	Classical biological control of the glassy-winged sharpshooter, <i>Homalodisca vitripennis</i> , by the egg parasitoid <i>Gonatocerus ashmeadi</i> in the Society, Marquesas and Austral archipelagos of French Polynesia. <i>Biological Control</i> , 2009, 48, 155-163.	3.0	20
35	Population differentiation and <i>Wolbachia</i> phylogeny in mosquitoes of the <i>Aedes scutellaris</i> group. <i>Medical and Veterinary Entomology</i> , 2005, 19, 66-71.	1.5	18
36	A Framework for Assessing Impacts of Marine Protected Areas in Moorea (French Polynesia)1. <i>Pacific Science</i> , 2008, 62, 431-441.	0.6	18

#	ARTICLE	IF	CITATIONS
37	Genetic evidence for a sibling species of <i>Heliconius charithonia</i> (Lepidoptera; Nymphalidae). <i>Biological Journal of the Linnean Society</i> , 1998, 64, 57-67.	1.6	17
38	Is population genetics mired in the past?. <i>Trends in Ecology and Evolution</i> , 1998, 13, 360.	8.7	16
39	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , 2016, 5, 14.	6.4	15
40	Categorization of species as native or nonnative using DNA sequence signatures without a complete reference library. <i>Ecological Applications</i> , 2019, 29, e01914.	3.8	14
41	A DNA barcode-based survey of terrestrial arthropods in the Society Islands of French Polynesia: host diversity within the SymbioCode Project. <i>European Journal of Taxonomy</i> , 2017, , .	0.6	13
42	Pre-introductory risk assessment studies of <i>Gonatocerus ashmeadi</i> (Hymenoptera: Mymaridae) for use as a classical biological control agent against <i>Homalodisca vitripennis</i> (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 809-822.	1.3	12
43	Toward a Global Public Repository of Community Protocols to Encourage Best Practices in Biomolecular Ocean Observing and Research. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	12
44	Meeting report: advancing practical applications of biodiversity ontologies. <i>Standards in Genomic Sciences</i> , 2014, 9, .	1.5	11
45	Internet of Samples (iSamples): Toward an interdisciplinary cyberinfrastructure for material samples. <i>GigaScience</i> , 2021, 10, .	6.4	10
46	Munroe revisited: a survey of West Indian butterfly faunas and their species-area relationship. <i>Global Ecology and Biogeography</i> , 1998, 7, 285-294.	5.8	9
47	<i>Aedes aegypti</i> (L.) and <i>Aedes polynesiensis</i> Marks (Diptera: Culicidae) in Moorea, French Polynesia: A Study of Adult Population Structures and Pathogen ( <i>Wuchereria bancrofti</i> and Tj ETQq1 1 0.784314 rgBT /Overlock 1.8 9	1.8	9
48	Field Information Management Systems for DNA Barcoding. <i>Methods in Molecular Biology</i> , 2012, 858, 255-267.	0.9	8
49	INFERENCES FROM A RAPIDLY MOVING HYBRID ZONE. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 741.	2.3	7
50	First records of <i>Gonatocerus dolichocerus</i> Ashmead, <i>Palaeoneura</i> sp., <i>Anagrus</i> sp. (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 212 parasitism of the glassy-winged sharpshooter, <i>Homalodisca vitripennis</i> (Germer) (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 212	0.2	6
51	Assessing risks of <i>Wolbachia</i> DNA cross-specimen contamination following mass collection and ethanol storage. <i>Molecular Ecology Resources</i> , 2009, 9, 46-50.	4.8	6
52	The Ocean Biomolecular Observing Network (OBON). <i>Marine Technology Society Journal</i> , 2022, 56, 106-107.	0.4	4
53	THE HISTORICAL BIOGEOGRAPHY OF TWO CARIBBEAN BUTTERFLIES (LEPIDOPTERA: HELICONIIDAE) AS INFERRED FROM GENETIC VARIATION AT MULTIPLE LOCI. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 573.	2.3	3
54	Report of the 13th Genomic Standards Consortium Meeting, Shenzhen, China, March 4-7, 2012.. <i>Standards in Genomic Sciences</i> , 2012, 6, 276-286.	1.5	3

#	ARTICLE	IF	CITATIONS
55	Haldane's rule is dead, long live Haldane's rule. Trends in Ecology and Evolution, 1996, 11, 508.	8.7	1
56	RCN4GSC Workshop Report: Modeling a Testbed for Managing Data at the Interface of Biodiversity and (Meta)Genomics, April 2011. Standards in Genomic Sciences, 2012, 7, 153-158.	1.5	1
57	Report of the 14th Genomic Standards Consortium Meeting, Oxford, UK, September 17-21, 2012.. Standards in Genomic Sciences, 2014, 9, 1236-1250.	1.5	1
58	The 4-Site Pacific Transect Collaborative (4-Site). Marine Technology Society Journal, 2021, 55, 134-135.	0.4	1
59	Internet of Samples. Proceedings of the Association for Information Science and Technology, 2021, 58, 813-815.	0.6	1
60	Planning for Field Based Biological Sample Collection: Using the Genomic Observatories Metadatabase Project Interface. Biodiversity Information Science and Standards, 0, 2, e25651.	0.0	1
61	Biodiversity Research on Coral Reef and Island Ecosystems: Scientific Cooperation in the Pacific Region. Pacific Science, 2008, 62, 299-301.	0.6	0
62	Internet of Samples: Progress report. Biodiversity Information Science and Standards, 0, 5, .	0.0	0