

Nicola J Nelson

List of Publications by Year in descending order

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87
papers

2,001
citations

236925

25
h-index

289244

40
g-index

88
all docs

88
docs citations

88
times ranked

2575
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the fate of a living fossil: how will global warming affect sex determination and hatching phenology in tuatara?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2185-2193.	2.6	171
2	Evaluating a multigene environmental DNA approach for biodiversity assessment. <i>GigaScience</i> , 2015, 4, 46.	6.4	122
3	The tuatara genome reveals ancient features of amniote evolution. <i>Nature</i> , 2020, 584, 403-409.	27.8	105
4	Support for a rare pattern of temperature-dependent sex determination in archaic reptiles: evidence from two species of tuatara (<i>Sphenodon</i>). <i>Frontiers in Zoology</i> , 2006, 3, 9.	2.0	69
5	Social network structure and parasite infection patterns in a territorial reptile, the tuatara (<i>Sphenodon punctatus</i>). <i>International Journal for Parasitology</i> , 2010, 40, 1575-1585.	3.1	69
6	Demographic effects of temperature-dependent sex determination: will tuatara survive global warming?. <i>Global Change Biology</i> , 2010, 16, 60-72.	9.5	69
7	Establishing a New Wild Population of Tuatara (<i>Sphenodon guntheri</i>). <i>Conservation Biology</i> , 2002, 16, 887-894.	4.7	68
8	How do reproductive skew and founder group size affect genetic diversity in reintroduced populations?. <i>Molecular Ecology</i> , 2009, 18, 3792-3802.	3.9	67
9	Sex Ratio Bias and Extinction Risk in an Isolated Population of Tuatara (<i>Sphenodon punctatus</i>). <i>PLoS ONE</i> , 2014, 9, e94214.	2.5	58
10	Avoiding aliens: Behavioural plasticity in habitat use enables large, nocturnal geckos to survive Pacific rat invasions. <i>Biological Conservation</i> , 2007, 136, 510-519.	4.1	55
11	Influence of major histocompatibility complex genotype on mating success in a free-ranging reptile population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1695-1704.	2.6	48
12	Do TSD, sex ratios, and nest characteristics influence the vulnerability of tuatara to global warming?. <i>International Congress Series</i> , 2004, 1275, 250-257.	0.2	47
13	Egg mass determines hatchling size, and incubation temperature influences post-hatching growth, of tuatara <i>Sphenodon punctatus</i> . <i>Journal of Zoology</i> , 2004, 263, 77-87.	1.7	42
14	Sexual dimorphism, body size, bite force and male mating success in tuatara. <i>Biological Journal of the Linnean Society</i> , 2010, 100, 287-292.	1.6	42
15	Fine-scale genetic structure of a long-lived reptile reflects recent habitat modification. <i>Molecular Ecology</i> , 2008, 17, 4630-4641.	3.9	41
16	Estimating the biodiversity of terrestrial invertebrates on a forested island using DNA barcodes and metabarcoding data. <i>Ecological Applications</i> , 2019, 29, e01877.	3.8	37
17	Large Male Advantage: Phenotypic and Genetic Correlates of Territoriality in Tuatara. <i>Journal of Herpetology</i> , 2009, 43, 570-578.	0.5	36
18	De novo sequence assembly and characterisation of a partial transcriptome for an evolutionarily distinct reptile, the tuatara (<i>Sphenodon punctatus</i>). <i>BMC Genomics</i> , 2012, 13, 439.	2.8	36

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19	Species and Cultural Conservation in New Zealand: Maori Traditional Ecological Knowledge of Tuatara. <i>Conservation Biology</i> , 2007, 21, 455-464.	4.7	34
20	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
21	Implications of social dominance and multiple paternity for the genetic diversity of a captive-bred reptile population (tuatara). <i>Conservation Genetics</i> , 2008, 9, 1243-1251.	1.5	33
22	Securing the Demographic and Genetic Future of Tuatara through Assisted Colonization. <i>Conservation Biology</i> , 2012, 26, 790-798.	4.7	33
23	The effect of two glyphosate formulations on a small, diurnal lizard (<i>Oligosoma polychroma</i>). <i>Ecotoxicology</i> , 2016, 25, 548-554.	2.4	33
24	Conservation implications of a long-term decline in body condition of the Brothers Island tuatara (<i>Sphenodon guntheri</i>). <i>Animal Conservation</i> , 2006, 9, 456-462.	2.9	32
25	Seasonal monogamy and multiple paternity in a wild population of a territorial reptile (tuatara). <i>Biological Journal of the Linnean Society</i> , 0, 98, 161-170.	1.6	32
26	Male-biased sex ratio in a small tuatara population. <i>Journal of Biogeography</i> , 2002, 29, 633-640.	3.0	31
27	Cryptic inbreeding depression in a growing population of a long-lived species. <i>Molecular Ecology</i> , 2017, 26, 799-813.	3.9	30
28	Climate change impacts exacerbate conservation threats in island systems: New Zealand as a case study. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 216-224.	4.0	29
29	Conservation status of the world's skinks (<i>Scincidae</i>): Taxonomic and geographic patterns in extinction risk. <i>Biological Conservation</i> , 2021, 257, 109101.	4.1	26
30	Waiting reveals waning weight: Monitoring over 54 years shows a decline in body condition of a long-lived reptile (tuatara, <i>Sphenodon punctatus</i>). <i>Biological Conservation</i> , 2007, 135, 181-188.	4.1	22
31	Assessing genetic diversity for conservation management: a case study of a threatened reptile. <i>Animal Conservation</i> , 2009, 12, 163-171.	2.9	22
32	T cell function in tuatara (<i>Sphenodon punctatus</i>). <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2005, 28, 213-222.	1.6	19
33	Seasonal and spatial dynamics of ectoparasite infestation of a threatened reptile, the tuatara (<i>Sphenodon punctatus</i>). <i>Medical and Veterinary Entomology</i> , 2008, 22, 374-385.	1.5	19
34	Nest-site choice and fidelity in tuatara on Stephens Island, New Zealand. <i>Journal of Zoology</i> , 2010, 280, 396-402.	1.7	18
35	Can translocations to islands reduce extinction risk for reptiles? Case studies from New Zealand. <i>Biological Conservation</i> , 2016, 204, 120-127.	4.1	18
36	Reptile Reservoirs and Seasonal Variation in the Environmental Presence of <i>Salmonella</i> in an Island Ecosystem, Stephens Island, New Zealand. <i>Journal of Wildlife Diseases</i> , 2014, 50, 655-659.	0.8	17

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37	ECOLOGY AND DYNAMICS OF THE BLOOD PARASITE, HEPATOCYTOZON TUATARAE (APICOMPLEXA), IN TUATARA (SPHENODON PUNCTATUS) ON STEPHENS ISLAND, NEW ZEALAND. <i>Journal of Wildlife Diseases</i> , 2011, 47, 126-139.	0.8	16
38	Modulation of corticosterone secretion in tuatara (<i>Sphenodon punctatus</i>): Evidence of a dampened stress response in gravid females. <i>General and Comparative Endocrinology</i> , 2014, 201, 45-52.	1.8	16
39	Kaitiakitanga, place and the urban restoration agenda. <i>New Zealand Journal of Ecology</i> , 2019, 43, .	1.1	16
40	Unravelling causality from correlations: revealing the impacts of endemic ectoparasites on a protected species (tuatara). <i>Parasitology</i> , 2010, 137, 275-286.	1.5	14
41	Performance of Juvenile Tuatara Depends on Age, Clutch, and Incubation Regime. <i>Journal of Herpetology</i> , 2006, 40, 399-403.	0.5	13
42	Failure to detect <i>Salmonella</i> species in a population of wild tuatara (<i>Sphenodon</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td</i>	0.9	13
43	Health screening for a translocation of captive-reared tuatara (<i>Sphenodon punctatus</i>) to an island refuge. <i>New Zealand Veterinary Journal</i> , 2006, 54, 344-349.	0.9	12
44	Discrimination of flicker frequency rates in the reptile tuatara (<i>Sphenodon</i>). <i>Die Naturwissenschaften</i> , 2009, 96, 415-419.	1.6	12
45	Do alternate escape tactics provide a means of compensation for impaired performance ability?. <i>Biological Journal of the Linnean Society</i> , 2010, 99, 241-249.	1.6	12
46	Does Nest-Guarding in Female Tuatara (<i>Sphenodon punctatus</i>) Reduce Nest Destruction by Conspecific Females?. <i>Journal of Herpetology</i> , 2009, 43, 294-299.	0.5	10
47	Lizard Conservation in Mainland Sanctuaries. , 2016, , 321-339.		10
48	CHEMICAL DISCRIMINATION OF FOOD, CONSPECIFICS AND PREDATORS BY APPARENTLY VISUALLY-ORIENTED DIURNAL GECKOS, NAULTINUS MANUKANUS. <i>Herpetologica</i> , 2007, 63, 184-192.	0.4	9
49	Circadian emergence and movement of captive juvenile tuatara (<i>Sphenodon</i> spp.). <i>New Zealand Journal of Zoology</i> , 2008, 35, 205-216.	1.1	9
50	First detection of <i>Chlamydia psittaci</i> from a wild native passerine bird in New Zealand. <i>New Zealand Veterinary Journal</i> , 2013, 61, 174-176.	0.9	9
51	Induction of oviposition produces smaller eggs in tuatara (<i>Sphenodon punctatus</i>). <i>New Zealand Journal of Zoology</i> , 2004, 31, 283-289.	1.1	8
52	Genetic structure and individual performance following a recent founding event in a small lizard. <i>Conservation Genetics</i> , 2011, 12, 461-473.	1.5	8
53	Using a common commensal bacterium in endangered Takahe as a model to explore pathogen dynamics in isolated wildlife populations. <i>Conservation Biology</i> , 2015, 29, 1327-1336.	4.7	8
54	Forest geckos (<i>Mokopirirakau</i> – Southern North Island™) display diurno-nocturnal activity and are not reliant on retreats. <i>New Zealand Journal of Zoology</i> , 2014, 41, 103-113.	1.1	7

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55	Presence of antibodies to Salmonella in tuatara (<i>Sphenodon punctatus</i>) sera. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2015, 41, 17-27.	1.6	7
56	Microbial Genomics of a Host-Associated Commensal Bacterium in Fragmented Populations of Endangered Takahe. <i>Microbial Ecology</i> , 2016, 71, 1020-1029.	2.8	7
57	Glucocorticoids in tuatara (<i>Sphenodon punctatus</i>): Some influential factors, and applications in conservation management. <i>General and Comparative Endocrinology</i> , 2017, 244, 54-59.	1.8	7
58	The winners: species that have benefited from 30 years of conservation action. <i>Journal of the Royal Society of New Zealand</i> , 2019, 49, 281-300.	1.9	7
59	Public willingness to engage in backyard conservation in New Zealand: Exploring motivations and barriers for participation. <i>People and Nature</i> , 2021, 3, 929-940.	3.7	7
60	Initial collection, characterization, and storage of tuatara (<i>Sphenodon punctatus</i>) sperm offers insight into their unique reproductive system. <i>PLoS ONE</i> , 2021, 16, e0253628.	2.5	7
61	A circadian rhythm in oxygen consumption rate in juvenile tuatara (<i>Sphenodon punctatus</i>). <i>New Zealand Journal of Zoology</i> , 2006, 33, 185-188.	1.1	6
62	New Zealand reptiles and their conservation. , 2014, , 382-404.		6
63	Moving house: long-term dynamics of corticosterone secretion are unaltered in translocated populations of a rare reptile (the tuatara, <i>Sphenodon punctatus</i>). , 2015, 3, cov014.		6
64	Thermoregulation of a temperate reptile in a forested habitat. <i>Zoology</i> , 2018, 127, 63-69.	1.2	6
65	Behavioral variation in nesting phenology may offset sex ratio bias in tuatara. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 373-381.	1.9	6
66	Effects of sampling date, gender, and tick burden on peripheral blood cells of captive and wild tuatara (<i>Sphenodon punctatus</i>). <i>New Zealand Journal of Zoology</i> , 2006, 33, 241-248.	1.1	5
67	Reviewing the past, present and potential lizard faunas of New Zealand cities. <i>Landscape and Urban Planning</i> , 2019, 192, 103647.	7.5	5
68	Modelling three-dimensional space to design prey refuges using video game software. <i>Ecosphere</i> , 2021, 12, e03321.	2.2	5
69	Effective partnerships between universities and indigenous communities: A case study in tuatara conservation in Aotearoa. <i>Journal of the Royal Society of New Zealand</i> , 2009, 39, 229-231.	1.9	4
70	Mark-recapture Accurately Estimates Census for Tuatara, a Burrowing Reptile. <i>Journal of Wildlife Management</i> , 2010, 74, 897-901.	1.8	4
71	Investigating Kleptothermy: A Reptile-Seabird Association with Thermal Benefits. <i>Physiological and Biochemical Zoology</i> , 2014, 87, 216-221.	1.5	4
72	Breeding parameters of the Sooty Shearwater (<i>Ardenna grisea</i>) on Long Island, New Zealand. <i>Emu</i> , 2014, 114, 74-79.	0.6	4

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73	Genomic Epidemiology and Management of Salmonella in Island Ecosystems Used for Takahe Conservation. <i>Microbial Ecology</i> , 2017, 74, 735-744.	2.8	4
74	Geostatistical interpolation can reliably extend coverage of a very high-resolution model of temperature-dependent sex determination. <i>Journal of Biogeography</i> , 2018, 45, 652-663.	3.0	4
75	Effects of mammal exclusion on invertebrate communities in New Zealand. <i>Austral Ecology</i> , 2021, 46, 776-791.	1.5	4
76	Postfledging dispersal of red-fronted parakeets (<i>Cyanoramphus novaezelandiae</i>) from a fenced mainland sanctuary. <i>Conservation Science and Practice</i> , 2021, 3, e337.	2.0	4
77	Chick Timer, software proves an accurate disturbance minimising tool for monitoring hatching success in little spotted kiwi (<i>Apteryx owenii</i>). <i>New Zealand Journal of Zoology</i> , 2014, 41, 139-146.	1.1	3
78	Survival and growth of tuatara (<i>Sphenodon punctatus</i>) following translocation from the Cook Strait to warmer locations in their historic range. <i>Oryx</i> , 2020, 54, 222-233.	1.0	3
79	Tracking a small cryptic amphibian with fluorescent powders. , 2017, 41, .		3
80	Is the breeding behaviour of nesting seabirds influenced by the presence of a predatory reptile—the tuatara?. <i>Journal of the Royal Society of New Zealand</i> , 2015, 45, 21-30.	1.9	2
81	Temperature selection by juvenile tuatara (<i>Sphenodon punctatus</i>) is not influenced by temperatures experienced as embryos. <i>Journal of Thermal Biology</i> , 2017, 69, 261-266.	2.5	2
82	Patterns of Nesting Migrations in the Tuatara (<i>Sphenodon punctatus</i>), A Colonially Nesting Island Reptile. <i>Herpetologica</i> , 2013, 69, 282-290.	0.4	1
83	Modelled incubation conditions indicate wider potential distributions based on thermal requirements for an oviparous lizard. <i>Journal of Biogeography</i> , 2018, 45, 1872-1883.	3.0	1
84	The first recorded interaction between two species separated for centuries suggests they were ecological competitors. <i>New Zealand Journal of Ecology</i> , 2018, 43, .	1.1	1
85	News from the Australasian Section of the Society for Conservation Biology. <i>Pacific Conservation Biology</i> , 2005, 11, 79.	1.0	0
86	A Threat to New Zealand's Tuatara Heats Up. <i>American Scientist</i> , 2014, 102, 350.	0.1	0
87	Thermal and physical characteristics of the nesting habitat of New Zealand's only endemic oviparous lizard. <i>New Zealand Journal of Ecology</i> , 0, , .	1.1	0