Dean M Gilligan

List of Publications by Year
in descending order

47 papers	1,596 citations	304743 22 h-index	315739 38 g-index
48 all docs	48 docs citations	48 times ranked	2001 citing authors

#	Article	IF	Citations
1	Changes in fish communities of the Shoalhaven River 20 years after construction of Tallowa Dam, Australia. River Research and Applications, 2002, 18, 265-286.	1.7	175
2	Severe consequences of habitat fragmentation on genetic diversity of an endangered Australian freshwater fish: A call for assisted gene flow. Evolutionary Applications, 2017, 10, 531-550.	3.1	119
3	Inbreeding and extinction: Effects of purging. Conservation Genetics, 2001, 2, 279-284.	1.5	104
4	Title is missing!. Conservation Genetics, 2000, 1, 33-43.	1.5	90
5	Dynamics of genetic adaptation to captivity. Conservation Genetics, 2003, 4, 189-197.	1.5	81
6	Is Mutation Accumulation a Threat to the Survival of Endangered Populations?. ?Es la Acumulacion de Mutaciones una Amenaza para la Supervivencia de Poblaciones en Peligro?. Conservation Biology, 1997, 11, 1235-1241.	4.7	67
7	Islands of water in a sea of dry land: hydrological regime predicts genetic diversity and dispersal in a widespread fish from Australiaâ€™s arid zone, the golden perch (Macquaria ambigua). Molecular Ecology, 2010, 19, 4723-4737.	3.9	67
8	The role of anthropogenic vs. natural in-stream structures in determining connectivity and genetic diversity in an endangered freshwater fish, Macquarie perch (Macquaria australasica). Evolutionary Applications, 2011, 4, 589-601.	3.1	66
9	Can fluctuating asymmetry be used to detect inbreeding and loss of genetic diversity in endangered populations?. Animal Conservation, 2000, 3, 97-104.	2.9	53
10	Comparative losses of quantitative and molecular genetic variation in finite populations of Drosophila melanogaster. Genetical Research, 2005, 85, 47-55.	0.9	51
11	Mortality of larval Murray cod (Maccullochella peelii peelii) and golden perch (Macquaria ambigua) associated with passage through two types of low-head weirs. Marine and Freshwater Research, 2006, 57, 187.	1.3	50
12	Genome-wide data delimits multiple climate-determined species ranges in a widespread Australian fish, the golden perch (Macquaria ambigua). Molecular Phylogenetics and Evolution, 2017, 111, 65-75.	2.7	42
13	Monitoring riverine fish communities through eDNA metabarcoding: determining optimal sampling strategies along an altitudinal and biodiversity gradient. Metabarcoding and Metagenomics, 0, 2, .	0.0	42
14	Evolution and maintenance of divergent lineages in an endangered freshwater fish, Macquaria australasica. Conservation Genetics, 2010, 11, 921-934.	1.5	41
15	Purifying selection and genetic drift shaped Pleistocene evolution of the mitochondrial genome in an endangered Australian freshwater fish. Heredity, 2017, 118, 466-476.	2.6	39
16	Signatures of polygenic adaptation associated with climate across the range of a threatened fish species with high genetic connectivity. Molecular Ecology, 2017, 26, 6253-6269.	3.9	34
17	Cryptic hybridization and introgression between invasive <scp>C</scp>yprinid species <scp>C</scp>yprinus carpio and <scp>C</scp>arassius auratus in <scp>A</scp>ustralia: implications for invasive species management. Animal Conservation, 2012, 15, 83-94.	2.9	33
18	Phylogeography of a threatened freshwater fish (Mogurnda adspersa) in eastern Australia: conservation implications. Marine and Freshwater Research, 2008, 59, 89.	1.3	32

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19	Optimising an integrated pest-management strategy for a spatially structured population of common carp (Cyprinus carpio) using meta-population modelling. Marine and Freshwater Research, 2014, 65, 538.	1.3	32
20	Recruitment sources and dispersal of an invasive fish in a large river system as revealed by otolith chemistry analysis. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 953-963.	1.4	30
21	Clarifying an ambiguous evolutionary history: rangeâ€wide phylogeography of an Australian freshwater fish, the golden perch (Macquaria ambigua). Journal of Biogeography, 2010, 37, 1329-1340.	3.0	28
22	Metagenomic sequencing reveals a lack of virus exchange between native and invasive freshwater fish across the Murrayâ€“Darling Basin, Australia. Virus Evolution, 2021, 7, veab034.	4.9	27
23	Experimental Infection of Australian Freshwater Fish with Epizootic Haematopoietic Necrosis Virus (EHNV). Journal of Aquatic Animal Health, 2013, 25, 66-76.	1.4	24
24	Ecological disturbance influences adaptive divergence despite high gene flow in golden perch (Macquaria ambigua): Implications for management and resilience to climate change. Molecular Ecology, 2018, 27, 196-215.	3.9	24
25	Recovery of the endangered trout cod, Maccullochella macquariensis: what have we achieved in more than 25 years?. Marine and Freshwater Research, 2013, 64, 822.	1.3	24
26	Population genetics and management units of invasive common carp Cyprinus carpio in the Murrayâ€“Darling Basin, Australia. Journal of Fish Biology, 2009, 75, 295-320.	1.6	22
27	Historic divergence with contemporary connectivity in a catadromous fish, the estuary perch (Macquaria colonorum). Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 304-318.	1.4	22
28	Toward river health assessment using species distributional modeling. Ecological Indicators, 2013, 29, 138-144.	6.3	21
29	Cyprinid herpesvirus 3 as a potential biological control agent for carp (Cyprinus carpio) in Australia: susceptibility of nonâ€target species. Journal of Fish Diseases, 2017, 40, 1141-1153.	1.9	19
30	Experimental Examination of the Potential for Three Introduced Fish Species to Prey on Tadpoles of the Endangered Booroolong Frog, Litoria booroolongensis. Journal of Herpetology, 2011, 45, 181-185.	0.5	17
31	Coupling environment and physiology to predict effects of climate change on the taxonomic and functional diversity of fish assemblages in the Murray-Darling Basin, Australia. PLoS ONE, 2019, 14, e0225128.	2.5	17
32	Estimating species richness and catch per unit effort from boat electroâ€fishing in a lowland river in temperate Australia. Austral Ecology, 2008, 33, 891-901.	1.5	16
33	Genetic analyses reveal limited dispersal and recovery potential in the large freshwater crayfish Euastacus armatus from the southern Murrayâ€“Darling Basin. Marine and Freshwater Research, 2017, 68, 213.	1.3	14
34	The value of quantitative environmental DNA analyses for the management of invasive and endangered native fish. Freshwater Biology, 2021, 66, 1619-1629.	2.4	10
35	A hybrid zone and bidirectional introgression between two catadromous species: Australian bass Macquaria novemaculeata and estuary perch Macquaria colonorum. Journal of Fish Biology, 2011, 79, 1214-1235.	1.6	9
36	Population genetics of invasive common carp Cyprinus carpio L. in coastal drainages in eastern Australia. Journal of Fish Biology, 2010, 77, 1150-1157.	1.6	8

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37	Identifying environmental correlates of intraspecific genetic variation. Heredity, 2016, 117, 155-164.	2.6	8
38	Isolation and characterisation of microsatellite loci in the Australian freshwater catfish (Tandanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	7
39	Complex biogeography and historic translocations lead to complicated phylogeographic structure of freshwater eel-tailed catfish (Tandanus spp.) in south-eastern Australia. Conservation Genetics, 2015, 16, 777-790.	1.5	7
40	Susceptibility of Australian Redfin Perch Perca fluviatilis Experimentally Challenged with Epizootic Hematopoietic Necrosis Virus (EHNV). Journal of Aquatic Animal Health, 2016, 28, 122-130.	1.4	6
41	Daily age determination and growth rates of freshwater fish throughout a regulated lotic system of the Murrayâ€Darling Basin Australia. Journal of Applied Ichthyology, 2019, 35, 457-464.	0.7	5
42	Labile sex chromosomes in the Australian freshwater fish family Percichthyidae. Molecular Ecology Resources, 2022, 22, 1639-1655.	4.8	4
43	Spangled perch (<scp>L</scp>eiopotherapon unicolor) in the southern <scp>M</scp>urrayâ€<scp>D</scp>arling <scp>B</scp>asin: Flood dispersal and shortâ€term persistence outside its core range. Austral Ecology, 2015, 40, 591-600.	1.5	3
44	Geographic Distribution of Epizootic haematopoietic necrosis virus (EHNV) in Freshwater Fish in South Eastern Australia: Lost Opportunity for a Notifiable Pathogen to Expand Its Geographic Range. Viruses, 2019, 11, 315.	3.3	3
45	Genomics outperforms genetics to manage mistakes in fisheries stocking of threatened species. Biodiversity and Conservation, 2022, 31, 895-908.	2.6	2
46	Aridificationâ€driven evolution of a migratory fish revealed by niche modelling and coalescence simulations. Journal of Biogeography, 0, , .	3.0	1
47	â€˜Ragged mountain ranges, droughts and flooding rainsâ€™: the evolutionary history and conservation of Australian freshwater fishes. , 0, , 492-511.		0