# Roderick B Gagne

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 37 papers | 523 citations | 686830 13 h-index | 752256 20 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 719 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | SARS-CoV-2 evolution in animals suggests mechanisms for rapid variant selection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 69 |
| 2 | Climate change and conservation of endemic amphidromous fishes in Hawaiian streams. Endangered Species Research, 2012, 16, 261-272. | 1.2 | 43 |
| 3 | Genetic sourceâ€“sink dynamics among naturally structured and anthropogenically fragmented puma populations. Conservation Genetics, 2019, 20, 215-227. | 0.8 | 33 |
| 4 | Overcoming urban stream syndrome: Trophic flexibility confers resilience in a Hawaiian stream fish. Freshwater Biology, 2018, 63, 492-502. | 1.2 | 25 |
| 5 | Urbanization reduces genetic connectivity in bobcats (Lynx rufus) at both intraâ€“ and interpopulation spatial scales. Molecular Ecology, 2019, 28, 5068-5085. | 2.0 | 24 |
| 6 | Parasites as conservation tools. Conservation Biology, 2022, 36, . | 2.4 | 24 |
| 7 | Molecular and Morphological Evidence of Distinct Evolutionary Lineages of Awaous guamensis in Hawai'i and Guam. Copeia, 2012, 2012, 293-300. | 1.4 | 23 |
| 8 | Urbanization impacts apex predator gene flow but not genetic diversity across an urbanâ€rural divide. Molecular Ecology, 2019, 28, 4926-4940. | 2.0 | 23 |
| 9 | Microsatellite records for volume 8, issue 1. Conservation Genetics Resources, 2016, 8, 43-81. | 0.4 | 22 |
| 10 | Measures of effective population size in sea otters reveal special considerations for wideâ€ranging species. Evolutionary Applications, 2018, 11, 1779-1790. | 1.5 | 20 |
| 11 | Host relatedness and landscape connectivity shape pathogen spread in the puma, a large secretive carnivore. Communications Biology, 2021, 4, 12. | 2.0 | 20 |
| 12 | Spread of an introduced parasite across the Hawaiian archipelago independent of its introduced host. Freshwater Biology, 2015, 60, 311-322. | 1.2 | 18 |
| 13 | Frequent cross-species transmissions of foamy virus between domestic and wild felids. Virus Evolution, 2020, 6, vez058. | 2.2 | 17 |
| 14 | Variation in Intra-individual Lentiviral Evolution Rates: a Systematic Review of Human, Nonhuman Primate, and Felid Species. Journal of Virology, 2019, 93, . | 1.5 | 15 |
| 15 | MrIML: Multiâ€response interpretable machine learning to model genomic landscapes. Molecular Ecology Resources, 2021, 21, 2766-2781. | 2.2 | 12 |
| 16 | Colonization and demographic expansion of freshwater fauna across the Hawaiian archipelago. Journal of Evolutionary Biology, 2016, 29, 2054-2069. | 0.8 | 11 |
| 17 | Mutual dilution of infection by an introduced parasite in native and invasive stream fishes across Hawaii. Parasitology, 2016, 143, 1605-1614. | 0.7 | 9 |
| 18 | Optimal DNA extractions from blood on preservation paper limits conservation genomic but not conservation genetic applications. Journal for Nature Conservation, 2018, 46, 89-96. | 0.8 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Expectations and Challenges of Wildlife Disease Research in the Era of Genomics: Forecasting with a Horizon Scan-like Exercise. Journal of Heredity, 2019, 110, 261-274. | 1.0 | 9 |
| 20 | Pronghorn population genomics show connectivity in the core of their range. Journal of Mammalogy, 2020, 101, 1061-1071. | 0.6 | 9 |
| 21 | Invasion of the Hawaiian Islands by a parasite infecting imperiled stream fishes. Ecography, 2018, 41, 528-539. | 2.1 | 8 |
| 22 | Phylogeography of the widespread creek chub Semotilus atromaculatus (Cypriniformes: Leuciscidae). Journal of Fish Biology, 2018, 93, 778-791. | 0.7 | 8 |
| 23 | Mitogenomes and relatedness do not predict frequency of tool-use by sea otters. Biology Letters, 2017, 13, 20160880. | 1.0 | 7 |
| 24 | Bighorn Sheep Genetic Structure in Wyoming Reflects Geography and Management. Journal of Wildlife Management, 2020, 84, 1072-1090. | 0.7 | 7 |
| 25 | Functional connectivity in a continuously distributed, migratory species as revealed by landscape genomics. Ecography, 2021, 44, 987. | 2.1 | 7 |
| 26 | Population genomic diversity and structure at the discontinuous southern range of the Great Gray Owl in North America. Conservation Genetics, 2020, 21, 693-706. | 0.8 | 6 |
| 27 | Hunting alters viral transmission and evolution in a large carnivore. Nature Ecology and Evolution, 2022, 6, 174-182. | 3.4 | 5 |
| 28 | Multiâ€population puma connectivity could restore genomic diversity to atâ€risk coastal populations in California. Evolutionary Applications, 2022, 15, 286-299. | 1.5 | 5 |
| 29 | Parasitism of a native <scp>H</scp>awaiian stream fish by an introduced nematode increases with declining precipitation across a natural rainfall gradient. Ecology of Freshwater Fish, 2016, 25, 476-486. | 0.7 | 4 |
| 30 | Novel hybrid finds a peri-urban niche: Allenâ€™s Hummingbirds in southern California. Conservation Genetics, 2020, 21, 989-998. | 0.8 | 4 |
| 31 | Altered lentiviral infection dynamics follow genetic rescue of the Florida panther. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191689. | 1.2 | 3 |
| 32 | Translocations maintain genetic diversity and increase connectivity in sea otters, Enhydra lutris. Marine Mammal Science, 2021, 37, 1475-1497. | 0.9 | 3 |
| 33 | Genetic Characterization of Microsporum canis Clinical Isolates in the United States. Journal of Fungi (Basel, Switzerland), 2022, 8, 676. | 1.5 | 3 |
| 34 | A natural laboratory to elucidate the evolution of endogenousâ€exogenous retroviral interactions. Molecular Ecology, 2021, 30, 2473-2476. | 2.0 | 0 |
| 35 | Viral Sequences Recovered From Puma Tooth DNA Reconstruct Statewide Viral Phylogenies. Frontiers in Ecology and Evolution, 2021, 9, . | 1.1 | 0 |
| 36 | INVESTIGATING ASSOCIATIONS AMONG RELATEDNESS, GENETIC DIVERSITY, AND CAUSES OF MORTALITY IN SOUTHERN SEA OTTERS (ENHYDRA LUTRIS NEREIS). Journal of Wildlife Diseases, 2022, 58, . | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Modelling the role of predation on disease burdens of prey. Journal of Animal Ecology, 2022, 91, 1330-1333. | 1.3 | 0 |