

James D Austin

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,635
citations

279798

23
h-index

330143

37
g-index

78
all docs

78
docs citations

78
times ranked

2276
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | An ancient icon reveals new mysteries: mummy DNA resurrects a cryptic species within the Nile crocodile. <i>Molecular Ecology</i> , 2011, 20, 4199-4215. | 3.9 | 131 |
| 2 | Cryptic lineages in a small frog: the post-glacial history of the spring peeper, <i>Pseudacris crucifer</i> (Anura: Hylidae). <i>Molecular Phylogenetics and Evolution</i> , 2002, 25, 316-329. | 2.7 | 96 |
| 3 | Divergent Perspectives on Landscape Connectivity Reveal Consistent Effects from Genes to Communities. <i>Current Landscape Ecology Reports</i> , 2016, 1, 67-79. | 2.2 | 93 |
| 4 | Network modularity reveals critical scales for connectivity in ecology and evolution. <i>Nature Communications</i> , 2013, 4, 2572. | 12.8 | 83 |
| 5 | Rigorous approaches to species delimitation have significant implications for African crocodilian systematics and conservation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132483. | 2.6 | 81 |
| 6 | Discordant temporal and geographic patterns in maternal lineages of eastern north American frogs, <i>Rana catesbeiana</i> (Ranidae) and <i>Pseudacris crucifer</i> (Hylidae). <i>Molecular Phylogenetics and Evolution</i> , 2004, 32, 799-816. | 2.7 | 77 |
| 7 | Genetic evidence for female-biased dispersal in the bullfrog, <i>Rana catesbeiana</i> (Ranidae). <i>Molecular Ecology</i> , 2003, 12, 3165-3172. | 3.9 | 62 |
| 8 | Inconsistent effects of landscape heterogeneity and land-use on animal diversity in an agricultural mosaic: a multi-scale and multi-taxon investigation. <i>Landscape Ecology</i> , 2018, 33, 241-255. | 4.2 | 53 |
| 9 | Controlling for the Effects of History and Nonequilibrium Conditions in Gene Flow Estimates in Northern Bullfrog (<i>Rana catesbeiana</i>) Populations. <i>Genetics</i> , 2004, 168, 1491-1506. | 2.9 | 52 |
| 10 | Integrative taxonomy resolves taxonomic uncertainty for freshwater mussels being considered for protection under the U.S. Endangered Species Act. <i>Scientific Reports</i> , 2018, 8, 15892. | 3.3 | 51 |
| 11 | Phylogenetics, zoogeography, and the role of dispersal and vicariance in the evolution of the <i>Rana catesbeiana</i> (Anura: Ranidae) species group. <i>Biological Journal of the Linnean Society</i> , 2003, 80, 601-624. | 1.6 | 43 |
| 12 | When Technology Meets Conservation: Increased Microsatellite Marker Production Using 454 Genome Sequencing on the Endangered Okaloosa Darter (<i>Etheostoma okaloosae</i>). <i>Journal of Heredity</i> , 2010, 101, 784-788. | 2.4 | 42 |
| 13 | Multi-character perspectives on the evolution of intraspecific differentiation in a neotropical hylid frog. <i>BMC Evolutionary Biology</i> , 2006, 6, 23. | 3.2 | 41 |
| 14 | Invasion ecology of wild pigs (<i>Sus scrofa</i>) in Florida, USA: the role of humans in the expansion and colonization of an invasive wild ungulate. <i>Biological Invasions</i> , 2018, 20, 1865-1880. | 2.4 | 40 |
| 15 | Isolating the roles of movement and reproduction on effective connectivity alters conservation priorities for an endangered bird. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8591-8596. | 7.1 | 38 |
| 16 | Genetic estimates of contemporary effective population size in an endangered butterfly indicate a possible role for genetic compensation. <i>Evolutionary Applications</i> , 2010, 3, 28-39. | 3.1 | 35 |
| 17 | Acquisition of polarized-light orientation in salmonids under laboratory conditions. <i>Animal Behaviour</i> , 2003, 65, 893-904. | 1.9 | 34 |
| 18 | Affinity for natal environments by dispersers impacts reproduction and explains geographical structure of a highly mobile bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151545. | 2.6 | 34 |

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|----|---|-----|-----------|
| 19 | Range-wide population structure and history of the northern quahog (<i>Merceneria merceneria</i>) inferred from mitochondrial DNA sequence data. <i>ICES Journal of Marine Science</i> , 2008, 65, 155-163. | 2.5 | 32 |
| 20 | SNP marker panels for parentage assignment and traceability in the Florida bass (<i>Micropterus</i>) | 3.5 | 30 |
| 21 | Low genetic diversity and minimal population substructure in the endangered Florida manatee: implications for conservation. <i>Journal of Mammalogy</i> , 2012, 93, 1504-1511. | 1.3 | 27 |
| 22 | Genetic barcoding facilitates captive and wild management of three cryptic African crocodile species complexes. <i>Animal Conservation</i> , 2015, 18, 322-330. | 2.9 | 26 |
| 23 | Morphological and molecular evidence indicates that the Gulf Coast box turtle (<i>Terrapene carolina</i>) | 1.6 | 25 |
| 24 | A molecular perspective on the evolutionary affinities of an enigmatic neotropical frog, <i>Allophryne ruthveni</i> . <i>Zoological Journal of the Linnean Society</i> , 2002, 134, 335-346. | 2.3 | 24 |
| 25 | Permanent Genetic Resources added to Molecular Ecology Resources Database 1 February 2011–31 March 2011. <i>Molecular Ecology Resources</i> , 2011, 11, 757-758. | 4.8 | 24 |
| 26 | Population genetic structure and conservation genetics of threatened Okaloosa darters (<i>Etheostoma</i>) | 1.9 | 24 |
| 27 | Reconstructing the introduction history of an invasive fish predator in South Africa. <i>Biological Invasions</i> , 2017, 19, 2261-2276. | 2.4 | 19 |
| 28 | Effects of Fin Clipping on Survival and Position-Holding Behavior of Brown Darters, <i>Etheostoma edwini</i> . <i>Copeia</i> , 2008, 2008, 916-919. | 1.3 | 18 |
| 29 | The causes of dispersal and the cost of carry-over effects for an endangered bird in a dynamic wetland landscape. <i>Journal of Animal Ecology</i> , 2017, 86, 857-865. | 2.8 | 16 |
| 30 | Conservation genetics of an endangered grassland butterfly (<i>Oarisma poweshiek</i>) reveals historically high gene flow despite recent and rapid range loss. <i>Insect Conservation and Diversity</i> , 2016, 9, 517-528. | 3.0 | 14 |
| 31 | A relict lineage and new species of green palm-pitviper (Squamata, Viperidae, <i>Bothriechis</i>) from the ChortÃs Highlands of Mesoamerica. <i>ZooKeys</i> , 2013, 298, 77-105. | 1.1 | 13 |
| 32 | Using species-diagnostic SNPs to detail the distribution and dynamics of hybridized black bass populations in southern Africa. <i>Biological Invasions</i> , 2019, 21, 1499-1509. | 2.4 | 13 |
| 33 | Cryptic diversity in ChortÃs Highland moss salamanders (Caudata: Plethodontidae: <i>Nototriton</i>) revealed using mtDNA barcodes and phylogenetics, with a new species from eastern Honduras. <i>Systematics and Biodiversity</i> , 2011, 9, 275-287. | 1.2 | 12 |
| 34 | Augmentation of French grunt diet description using combined visual and DNA-based analyses. <i>Marine and Freshwater Research</i> , 2012, 63, 740. | 1.3 | 12 |
| 35 | An assessment of hatchery effects on Florida bass (<i>Micropterus salmoides floridanus</i>) microsatellite genetic diversity and sib-ship reconstruction. <i>Aquaculture Research</i> , 2012, 43, 628-638. | 1.8 | 12 |
| 36 | Angling-Induced Impacts on Recruitment and Contributions to Reproduction in Florida Bass. <i>Transactions of the American Fisheries Society</i> , 2017, 146, 871-887. | 1.4 | 12 |

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|----|---|-----|-----------|
| 37 | Incongruence in the pattern and timing of intra-specific diversification in bronze frogs and bullfrogs (<i>Ranidae</i>). <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 1041-1053. | 2.7 | 11 |
| 38 | Assessment of Genetic Diversity in Wild and Aquaculture Stocks of <i>Mercenaria mercenaria</i> in Florida. <i>Journal of Shellfish Research</i> , 2015, 34, 355-365. | 0.9 | 11 |
| 39 | A distinctive new species of moss salamander (Caudata: Plethodontidae: <i>Nototriton</i>) from an imperiled Honduran endemism hotspot. <i>Zootaxa</i> , 2010, 2434, 1. | 0.5 | 11 |
| 40 | Conspicuous genetic structure belies recent dispersal in an endangered beach mouse (<i>Peromyscus</i>) | 1.5 | 10 |
| 41 | Cuban Connection: Regional Role for Florida's Manatees. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 10 |
| 42 | Did Late Pleistocene climate change result in parallel genetic structure and demographic bottlenecks in sympatric Central African crocodiles, <i>Mecistops</i> and <i>Osteolaemus</i> ?. <i>Molecular Ecology</i> , 2017, 26, 6463-6477. | 3.9 | 9 |
| 43 | An integrative assessment of the taxonomic status of putative hybrid leopard frogs (<i>Anura: Ranidae</i>) from the ChortÃs Highlands of Central America, with description of a new species. <i>Systematics and Biodiversity</i> , 2018, 16, 340-356. | 1.2 | 9 |
| 44 | The number of breeders explains genetic connectivity in an endangered bird. <i>Molecular Ecology</i> , 2019, 28, 2746-2756. | 3.9 | 9 |
| 45 | Parentage and mating patterns in a Florida Largemouth Bass (<i>Micropterus salmoides</i>) | 1.8 | 8 |
| 46 | Assessing fine-scale genetic structure and relatedness in the micro-endemic Florida bog frog. <i>Conservation Genetics</i> , 2011, 12, 833-838. | 1.5 | 7 |
| 47 | Diversity and geneflow in a migratory frugivorous fish: implications for Amazonian habitat connectivity. <i>Conservation Genetics</i> , 2013, 14, 935-942. | 1.5 | 7 |
| 48 | Microsatellite polymorphism in the endangered snail kite reveals a panmictic, low diversity population. <i>Conservation Genetics</i> , 2018, 19, 337-348. | 1.5 | 7 |
| 49 | Land use and cover effects on an ecosystem engineer. <i>Forest Ecology and Management</i> , 2020, 456, 117642. | 3.2 | 7 |
| 50 | Mixing rates in weakly differentiated stocks of greater amberjack (<i>Seriola dumerili</i>) in the Gulf of Mexico. <i>Genetica</i> , 2018, 146, 393-402. | 1.1 | 6 |
| 51 | Savanna Rodentsâ€™ Selective Removal of an Encroaching Plantâ€™s Seeds Increased With Grass Biomass. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 6 |
| 52 | Ultraviolet Biofluorescence in Pocket Gophers. <i>American Midland Naturalist</i> , 2021, 186, . | 0.4 | 6 |
| 53 | A new <i>Nototriton</i> (Caudata: Plethodontidae) from Parque Nacional Montaña de Botaderos in northeastern Honduras. <i>Zootaxa</i> , 2013, 3666, 358. | 0.5 | 5 |
| 54 | Reintroduction of captive-born beach mice: the importance of demographic and genetic monitoring. <i>Journal of Mammalogy</i> , 2017, 98, 513-522. | 1.3 | 5 |

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|----|--|-----|-----------|
| 55 | Influence of sugarcane plantations on the population dynamics and community structure of small mammals in a savanna-agricultural landscape. <i>Global Ecology and Conservation</i> , 2019, 20, e00752. | 2.1 | 5 |
| 56 | Microsatellite Mutation Rate in Atlantic Sturgeon (<i>Acipenser oxyrinchus</i>). <i>Journal of Heredity</i> , 2017, 108, 686-692. | 2.4 | 4 |
| 57 | Genetic structure of wild and domesticated grasscutters (<i>Thryonomys swinderianus</i>) from south-western Nigeria. <i>African Zoology</i> , 2017, 52, 155-162. | 0.4 | 3 |
| 58 | Global Patterns in the Motivations and Behaviors of Tournament Anglers Targeting Bedding Bass. <i>North American Journal of Fisheries Management</i> , 2018, 38, 334-345. | 1.0 | 3 |
| 59 | Comparative spatial genetic structure of two rodent species in an agro-ecological landscape in southern Africa. <i>Mammalian Biology</i> , 2019, 97, 64-71. | 1.5 | 3 |
| 60 | A new live trap for pocket gophers. <i>Wildlife Society Bulletin</i> , 2019, 43, 178-181. | 1.6 | 3 |
| 61 | Evaluating the Ecology of <i>Tantilla relicta</i> in Florida Pine-Wiregrass Sandhills Using Multi-Season Occupancy Models. <i>Journal of Herpetology</i> , 2019, 53, 179. | 0.5 | 3 |
| 62 | Timber Rattlesnake (<i>Crotalus horridus</i>) Predation on a Southeastern Pocket Gopher (<i>Geomys pinetis</i>). <i>Southeastern Naturalist</i> , 2019, 18, . | 0.4 | 3 |
| 63 | Determining habitat requirements for the southeastern pocket gopher (<i>Geomys pinetis</i>) at multiple scales. <i>Journal of Mammalogy</i> , 2022, 103, 672-679. | 1.3 | 3 |
| 64 | Strong population genetic structure and cryptic diversity in the Florida bonneted bat (<i>Eumops</i>). <i>Conservation Genetics</i> , 2019, 20, 101-110. | 1.5 | 3 |
| 65 | Twenty-one novel microsatellite loci for the endangered Florida salt marsh vole (<i>Microtus</i>). <i>Conservation Genetics</i> , 2019, 20, 101-110. | 0.8 | 2 |
| 66 | Conservation genetics of an isolated giraffe population in Swaziland. <i>African Journal of Ecology</i> , 2018, 56, 140-145. | 0.9 | 2 |
| 67 | Short-term response to season of burn by amphibians and reptiles in a Florida longleaf pine-wiregrass sandhill. <i>Canadian Journal of Forest Research</i> , 2019, 49, 1580-1589. | 1.7 | 2 |
| 68 | Urbanization and Population Genetic Structure of the Panama City crayfish (<i>Procambarus econfinae</i>). <i>Journal of Heredity</i> , 2020, 111, 204-215. | 2.4 | 2 |
| 69 | Southeastern Pocket Gopher (<i>Geomys pinetis</i>) Tunnels Provide Stable Thermal Refugia. <i>American Midland Naturalist</i> , 2021, 185, . | 0.4 | 2 |
| 70 | Iso-seq analysis and functional annotation of the Santa Fe cave crayfish (<i>Procambarus erythrops</i>) transcriptome. <i>Marine Genomics</i> , 2021, 58, 100842. | 1.1 | 2 |
| 71 | Largemouth Bass Hatchery Contributions Quantified via Parentage-Based Tagging. <i>North American Journal of Fisheries Management</i> , 2022, 42, 758-774. | 1.0 | 2 |
| 72 | Isolation and characterization of 14 novel polymorphic loci for the Florida mouse (<i>Peromyscus</i>). <i>Conservation Genetics</i> , 2019, 20, 101-110. | 0.8 | 1 |

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|----|--|-----|-----------|
| 73 | New microsatellite loci for the threatened eastern hog-nosed snake (<i>Heterodon platirhinos</i>) in Ontario, Canada. <i>Conservation Genetics Resources</i> , 2014, 6, 69-71. | 0.8 | 1 |
| 74 | Genetic evidence indicates ecological divergence rather than geographic barriers structure Florida fox squirrels. <i>Journal of Mammalogy</i> , 2018, , . | 1.3 | 1 |
| 75 | Landscape Heterogeneity and Woody Encroachment Decrease Mesocarnivore Scavenging in a Savanna Agroecosystem. <i>Rangeland Ecology and Management</i> , 2021, 78, 104-111. | 2.3 | 1 |
| 76 | Dispersal and Land Cover Contribute to Pseudorabies Virus Exposure in Invasive Wild Pigs. <i>EcoHealth</i> , 2020, 17, 498-511. | 2.0 | 1 |
| 77 | Recruitment Patterns and Potential Climate Change Impacts on Three Florida Hylids with Different Life Histories. <i>Diversity</i> , 2022, 14, 129. | 1.7 | 0 |