

Academic Publications

Ian G. Brennan

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In Review

- Davis, H.R., Das, I., Leaché, A.D., Karin, B.R., **Brennan, I.G.**, Jackman, T.R., Nashriq, I., Chan, K.O., Bauer, A.M. (*in review*). Genetically diverse yet morphologically conserved: Hidden diversity revealed among Bornean geckos (Gekkonidae: *Cyrtodactylus*).
- Brennan, I.G.**. (*preprint*). Integrating uncertainty is essential to macroevolutionary inferences: Grass, grit, and the evolution of kangaroos. *bioRxiv*
- Pavón-Vázquez, C., **Brennan, I.G.**, Keogh, J.S. (*in review*). An integrative approach to detect hybridization sheds light on the origin of Earth's largest living lizard.
- Melville, J., **Brennan, I.G.**, (*28 additional coauthors*). (*in review*). Response to the biodiversity crisis impeded by incomplete taxonomy.
- Oliver, P.M., **Brennan, I.G.**, Lee, M.S.Y. (*in review*). Arid biomes as species pumps boosting continental biodiversity.

2020

- Brennan, I.G.**, Lemmon, A.R., Lemmon, E.M., Portik, D.M., Weijola, V., Welton, L., Donnellan, S.C., Keogh, J.S. **in-press**. Phylogenomics of monitor lizards and the role of competition in dictating body size disparity. *Systematic Biology*, also on *bioRxiv*
- Novikova, P.Y.* , **Brennan, I.G.***, Booker, W., Mahony, M., Doughty, P., Lemmon, A.R., Lemmon, E.M., Yant, L., Peer, Y.V.d., Keogh, J.S., Donnellan, S.C. **2020**. Polyploidy breaks speciation barriers in Australian burrowing frogs *Neobatrachus*. *bioRxiv*, *PLoS Genetics*
co-first authors
- Esquerré, D., Donnellan, S.C., **Brennan, I.G.**, Zaher, H., Graziotin, F., Lemmon, A.R., Lemmon, E.M., Keogh, J.S. **2020**. Phylogenomics, biogeography, and morphometrics reveal rapid phenotypic evolution in pythons after crossing Wallace's line. *Systematic Biology*
- Davis, H.R., Chan, K.O., Das, I., **Brennan, I.G.**, Karin, B.R., Jackman, T.R., Brown, R., Iskandar, D.J., Nasir, I.N.M., Grismer, L., Bauer, A.M. **2020**. Multilocus phylogeny of Bornean Bent-Toed Geckos (Gekkonidae: *Cyrtodactylus*) reveals hidden diversity, taxonomic disarray, and novel biogeographic patterns. *Molecular Phylogenetics and Evolution* **147**
- Maryan, B. **Brennan, I.G.**, Hutchinson, M.N., Geidans, L.S. **2020**. What's under the hood? Partial revision of the hooded snake genus *Parasuta*. *Zootaxa*
- Gallagher, R., **Brennan, I.G.**, (*54 additional coauthors*). **2020**. The Open Traits Network: Using Open Science principles to accelerate trait-based science across the Tree of Life. *Nature Ecology and Evolution*

El-Deeb, O., Skeels, A., **Brennan, I.G.**. 2020. Digest: The evolutionary relationship between environment and size in Australian rodents (Roycroft et al., 2019). *Evolution* **0**(0):1–2

Kealley, L., Doughty, P., Edwards, D., **Brennan, I.G.** 2020. Taxonomic assessment of pygopodoid gecko subspecies from Western Australia. *Israel Journal of Ecology and Evolution* **1**: 1–16

2019

Esquerré, D., **Brennan, I.G.**, Catullo, R.A., Torres-Pérez, F., Keogh, J.S. 2019. How mountains shape biodiversity: The role of the Andes in biogeography, diversification, and reproductive biology in South America's most species-rich lizard radiation (Squamata: Liolaemidae). *Evolution* **73**(2): 214–230

2018

Brennan, I.G., Keogh, J.S. 2018. Miocene biome turnover drove conservative body size evolution across Australian vertebrates. *Proceedings of the Royal Society B: Biological Sciences* **285**: 20181474.

Pepper, M., Sumner, J., **Brennan, I.G.**, Hodges, K., Lemmon, A.R., Lemmon, A.M., Peterson, G., Rabosky, D.L., Schwarzkopf, L., Scott, I.A.W., Shea, G., Keogh, J.S. 2018. Speciation in the mountains and dispersal by rivers: Molecular phylogeny of the Australian Eulamprus water skinks and the biogeography of Eastern Australia. *Journal of Biogeography* 2018; **45**:2040–2052.

2017

Brennan, I.G., Oliver, P.M. 2017. Mass turnover and recovery dynamics of a diverse Australian continental radiation. *Evolution* **71** (5):1352–1365.

Brennan, I.G., Bauer, A.M., Van Tri, N., Wang, Yy., Wang, Wz., Zhang, YP., Murphy, R.W. 2017. Barcoding utility in a mega-diverse, cross-continental genus: keeping pace with *Cyrtodactylus* geckos. *Scientific Reports* **7**:5592.

Brennan, I.G., Bauer, A.M. 2017. Notes on hemipenial morphology and its implications in the Pygopodidae (Boulenger, 1884). *Bonn zoological Bulletin* **66** (1): 15-28.

2016

Ziegler, T., Botov, A., Nguyen, T.T., Bauer, A.M., **Brennan, I.G.**, Ngo, H.T., Nguyen, T.Q. 2016. First molecular verification of *Dixonius vietnamensis* Das, 2004 (Squamata: Gekkonidae) with the description of a new species from Vinh Cuu Nature Reserve, Dong Nai Province, Vietnam. *Zootaxa* **4136** (3):553-566.

Brennan, I.G., Bauer, A.M., Jackman, T.R. 2016. Mitochondrial introgression via ancient hybridization, and systematics of the Australian endemic pygopodid gecko genus *Delma*. *Molecular Phylogenetics and Evolution* **94** (2016): 577–590.

2015

- Botov, A., Trung, P.M., Truong, Q.N., **Brennan, I.G.**, Bauer, A.M., Ziegler, T. **2015**. A new species of *Dixonius* (Squamata: Gekkonidae) from Phu Quy Island, Vietnam. *Zootaxa* **4040** (1):048–058.
- Maryan, B., **Brennan, I.G.**, Adams, M., Aplin, K.P. **2015**. Molecular and morphological assessment of *Delma australis* (Squamata: Pygopodidae) with description of a new species from the biodiversity ‘hotspot’ of southwestern Western Australia. *Zootaxa* **3946** (3): 301–330.
- Jono, T., Bauer, A.M., **Brennan, I.G.**, Mori, A. **2015**. A new species of *Blaesodactylus* (Squamata: Gekkonidae) from Tsingy karstic outcrops in Ankarana National Park, northern Madagascar. *Zootaxa* **3980** (3): 406–416.

2012

- Brennan, I.G.** **2012**. Natural History Notes. Osteophagy by Agassiz’s Desert Tortoise *Gopherus agassizii*. *Herpetological Review* **43** (4):638–639.