

## PEER-REVIEWED PUBLICATIONS

NOTE: Authors who were students at the time that work was completed are underlined.

Agudelo CM, Benavides AM, Taylor T, **Feeley KJ**, and Duque A. 2019. Functional composition of epiphyte communities in the Colombian Andes. *Ecology*. In Press.

Taylor TC, Smith MN, Slot M, and **Feeley KJ**. 2019. The capacity to emit isoprene differentiates the photosynthetic temperature responses of tropical plant species. *Plant, Cell & Environment*. 42: 2448-2457.

Ramirez S, Gonzalez-Caro S, Phillips J, **Feeley KJ**, and Duque A. 2019. The influence of historical dispersal on the phylogenetic structure of tree communities in the tropical Andes. *Biotropica*. 51: 500-508.

Stroud JT, Giery ST, Outerbridge M, and **Feeley KJ**. 2019. **COVER**: Ecological character displacement alters the outcome of priority effects during community assembly. *Ecology*. 100(8): e02727.

Anderson RP and 50+ coauthors including **Feeley KJ**. 2019. Open access solutions for biodiversity journals: Do not replace one problem with another. *Diversity and Distributions*. 25(1): 5-8.

Oleas N, **Feeley KJ**, Fajardo J, Meerow A, Gebelein J, and Ortega J. 2019. Muddy boots beget wisdom: a cautionary tale for plant species distribution models. *Diversity*. 11(1): 10- .

Fadrique B, Báez S, Duque A, Malizia A, Blundo C, Carilla J, Osinaga-Acosta O, Malizia L, Silman M, Farfán-Ríos W, Malhi Y, Young KR, Cuesta F, Homeier J, Peralvo M, Pinto E, Jadan O, Aguirre N, Aguirre Z, and **Feeley KJ**. 2018. Widespread but heterogeneous responses of Andean forests to climate change. *Nature*. 564 (7735), 207- .

Perez TM, Valverde O, Bravo C, Taylor TC, Fadrique B, Hogan JA, Pardo CJ, Stroud JT, Baraloto C, and **Feeley KJ**. 2018. Botanic gardens are an untapped resource for studying the functional ecology of tropical plants. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 374 (1763), 20170390.

Peña MA, **Feeley KJ**, Duque A. 2018. Effects of endogenous and exogenous processes on aboveground biomass stocks and dynamics in Andean forests. *Plant Ecology*. 219 (12), 1481-1492.

Stroud JT and **Feeley KJ**. 2018. Where on Earth are the “tropics”? *Frontiers of Biogeography*. 10: 1-2.

Salazar A, Sánchez-Andrade A, Villegas J, Salazar-Villegas J, Ruiz-Carrascal D, Sitch S, Poveda G, **Feeley KJ**, Mercado L, Arias P, Sierra C, Uribe M, Pérez J, Rendón A, Murray-Tortarolo G, Mercado-Bettín D, Posada-Marín J, Zhuang Q, and Dukes J. 2018. The ecology of peace: Preparing Colombia for new political and planetary climates. *Frontiers in Ecology and the Environment*. 16 (9), 525-531.

Perez TM and **Feeley KJ**. 2018. Increasing humidity threatens tropical forests. *Frontiers in Ecology and Evolution*. 6: 68.

O'Connell CS, Carlson KM, Cuadra S, **Feeley KJ**, Gerber JS, West PC, and Polasky S. 2018. Balancing tradeoffs: Reconciling multiple environmental goals when ecosystem services vary regionally. *Environmental Research Letters*. 13(6): 064008.

Slik F and 50+ coauthors including **Feeley KJ**. 2018. A phylogenetic classification of the world's tropical forests. *Proceedings of the National Academy of Sciences USA*. 115(8): 1837-1842.

- Gomez VF and 50+ coauthors including **Feeley KJ**. 2018. Species distribution modelling: contrasting presence-only models with plot abundance data. *Scientific Reports*. 8(1): 1003.
- Tito R, Vasconcelos HL, and **Feeley KJ**. 2018. Global climate change increases risk of crop failure and food insecurity in the tropical Andes. *Global Change Biology*. 24(2), pp.e592-e602.
- Feeley KJ**. 2018. Using herbarium collections and plot data to track the effects of climate change on tropical forests. *Proceedings of the Royal Danish Academy of Sciences (Scientia Danica. Series B, Biologica)*. 6: 213-222.
- McMichael CH, **Feeley KJ**, Dick CW, Piperno DR, Bush MB. 2017. Technical Comment on: Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. *Science*. 358(6361): ean8347.
- Katabuchi M, Wright SJ, Swenson NG, **Feeley KJ**, Condit R, Hubbell SP, and Davies SJ. 2017. Contrasting outcomes of species-level and community-level analyses of the temporal consistency of functional composition. *Ecology*. 98: 2273–2280.
- Machovina BL and **Feeley KJ**. 2017. Potential global energy and biofuel yields from converted pastures. *Science of the Total Environment*. 609: 205-214.
- Feeley KJ**. 2017. The extinction risks and conservation statuses of most national plants are unknown. *Bioscience*. 67: 782-783.
- Stroud JT and **Feeley KJ**. 2017. Neglect of the tropics is widespread in ecology. *Trends in Ecology and Evolution*. 32: 626-628.
- Cárdenas D, González-Caro S; Duivenvoorden J, **Feeley KJ**, and Duque A. 2017. Asymmetrical niche determinism across geological units shapes phylogenetic tree communities in the Colombian Amazonia. *Perspectives in Plant Ecology, Evolution and Systematics*. 28: 1-9.
- Mathez-Stiefel SL, Peralvo M, Báez S, Rist S, Buytaert W, Cuesta F, Fadrique B, **Feeley KJ**, Groth A, Homeier J, Llambi LD, Locatelli B, López Sandoval MF, Maliza A, Young KR. 2017. Research priorities for the conservation and sustainable governance of Andean forest landscapes. *Mountain Research and Development*. 37: 323-339.
- McMichael CH, Matthew-Bird F, Farfan W, **Feeley KJ**. 2017. Ancient human disturbances may be skewing our understanding of Amazonian forests. *Proceedings of the National Academy of Sciences USA*. 114: 522–527.
- Feeley KJ**, Stroud JT, and Perez TM. 2017. Most “global” reviews of species’ responses to climate change aren't truly global. *Diversity and Distributions*. 23: 231-234.
- Machovina BL, **Feeley KJ**, and Machovina BJ. 2017. UAV remote sensing of spatial variation in banana production. *Crop & Pasture Science*. 67: 1281-1287.
- Idarragad A, Duque A, and **Feeley KJ**. 2016. Divergent drivers of tree community composition in lowland and highland forests of the northern tropical Andes, Colombia. *Actualidades Biológicas* 38: 145-156.
- Fadrique B and **Feeley KJ**. 2016. Commentary: Novel competitors shape species’ responses to climate change. *Frontiers in Ecology and Evolution* 4:33.

- Feeley KJ** and Silman M. 2016. Disappearing climates may limit the efficacy of Amazonian protected areas in a warming world. *Diversity and Distributions*. 22(11): 1081-1084.
- Feeley KJ**, Silman M, and Duque A. 2016. **COVER:** Where are the tropical plants? A call for better inclusion of tropical plants in studies investigating and predicting the impacts of climate change. *Frontiers of Biogeography*. 7(4). fb\_27602.
- Feeley KJ**. 2016. Commentary: Estimating the global conservation status of more than 15,000 Amazonian tree species. *Frontiers in Ecology and Evolution*. 4:59.
- Hu G, **Feeley KJ**, Yu M. 2016. Habitat Fragmentation drives plant community assembly processes across life stages. *PLoS ONE* 11(7): e0159572.
- Machovina B and **Feeley KJ**. 2016. Eating plants to save them. Pages 184-190 in *Botanists of the twenty-first century: roles, challenges and opportunities* (Eds. Rakotoarisoa NR., Blackmore S, and Riera B). UNESCO Publishing. Paris, France.
- Perez TM, Stroud JT, and **Feeley KJ**. 2016. Perspective: Thermal trouble in the tropics. *Science*. 351: 1392-1393.
- Rehm EM and **Feeley KJ**. 2016. Seedling transplants reveal species-specific responses of high-elevation tropical treeline trees to climate change. *Oecologia*. 181(4): 1233-1242.
- Rehm EM and **Feeley KJ**. 2016. Many species risk mountain top extinction long before they reach the top. *Frontiers of Biogeography*. 8(1). fb\_27788.
- Duque A, Stephenson P, and **Feeley KJ**. 2015. Thermophilization of adult and juvenile tree communities in the northern tropical Andes. *Proceedings of the National Academy of Sciences USA*. 112(34): 10744–10749.
- Feeley KJ** and Rehm EM. 2015. Correspondence: The downward shift of montane grasslands exemplifies the dual threat of human disturbances to cloud forest biodiversity. *Proceedings of the National Academy of Sciences USA*. 112 (45): E6085.
- Rehm EM, Olivas P, Stroud J and **Feeley KJ**. 2015. Losing your edge: climate change and the conservation value of range-edge populations. *Ecology and Evolution*. 5(19): 4315–4326.
- Machovina BL, **Feeley KJ**, and Ripple W. 2015. Biodiversity conservation: the key is reducing meat consumption. *Science of the Total Environment*. 536: 419–431.
- Báez S, Malizia A, Carilla J, Blundo C, Aguilar M, Aguirre M, Aquirre Z, Álvarez E, Cuesta F, Duque A, Farfán-Ríos W, García-Cabrera K, Grau R, Homier, Linares-Palomino R, Malizia LR, Cruz OM, Osinaga O, Phillips OL, Reynel C, Silman MR, and **Feeley KJ**. 2015. Large-scale patterns of turnover and basal area change in Andean forests. *PLoS ONE* 10:e0126594.
- Ding Z, **Feeley KJ**, Hu H, and Ding P. 2015. Bird guild loss and its determinants on subtropical land-bridge islands, China. *Avian Research*. 6: 1-9.
- Feeley KJ**. 2015. Are we filling the data void? An assessment of the amount and extent of plant collection records and census data available for tropical South America. *PLoS ONE*. 10:e0125629.
- Feeley KJ**. 2015. **COVER:** Moving forward with species distributions. *American Journal of Botany*. 102: 173-175.

- Rehm EM and **Feeley KJ**. 2015. Freezing temperatures limit forest recruitment above tropical Andean treelines. *Ecology*. 96: 1856–1865.
- Rehm, EM and **Feeley KJ**. 2015. The inability of tropical cloud forest species to invade grasslands above treeline during climate change: potential explanations and consequences. *Ecography*. 38: 1167-1175.
- Slik F. and 100+ coauthors including **Feeley KJ**. 2015. An estimate of the number of tropical tree species. *Proceedings of the National Academy of Sciences USA*. 112: 7472-7477.
- Stroud JT and **Feeley KJ**. 2015. A downside of diversity? A response to Gallagher et al. *Trends in Ecology and Evolution*. 30: 296–297.
- Stroud JT and **Feeley KJ**. 2015. Responsible academia: Optimizing conference locations to minimize greenhouse gas emissions. *Ecography*. 38: 402–404.
- Girardin CAJ, Malhi Y, **Feeley KJ**, Rapp JM, Silman MR, Meir P, Huaraca Huasco W, Salinas N, Mamani M, Silva-Espejo JE, García Cabrera K, Farfan Rios W, Metcalfe DB, Doughty CE & Aragão LEOC. 2014. Seasonality of above-ground net primary productivity along an Andean altitudinal transect in Peru. *Journal of Tropical Ecology*. 30(6): 503-519.
- Stroud J, Rehm E, Ladd M, Olivas P, and **Feeley KJ**. 2014. Is conservation research money being spent wisely? Changing trends in conservation research priorities. *Journal of Nature Conservation*. 22(5): 471-473.
- Feeley KJ**, Rehm E, and Stroud J. 2014. There are many barriers to species migrations. *Frontiers of Biogeography*. 6(2): fb\_22006 4 pages.
- Machovina, B and **Feeley KJ**. 2014. Meat consumption as a key impact on tropical nature: a response to Laurance et al. *Trends in Ecology and Evolution*. 29(8): 430–431.
- Oleas NH, Meerow AW, **Feeley KJ**, Gebelein J, and Francisco-Ortega J. 2014. Using species distribution models as a tool to discover new records of *Phaedranassa brevifolia* Meerow, 1987 (Liliopsida: Amaryllidaceae) in Northern Ecuador. *Check List*. 10(3):689-691.
- Duque A, **Feeley KJ**, Cabrera E, Callejas R, Idarraga A. 2014. The dangers of carbon-centric conservation for biodiversity: a case study in the Andes. *Tropical Conservation Science*. 7(2): 178-193.
- Feeley KJ** and Rehm E. 2014. Correspondence: Priorities for conservation corridors. *Nature Climate Change*. 4: 405-406.
- Girardin CAJ., Farfan W, Garcia K, **Feeley KJ**, Jørgensen PM, Araujo Murakami A, Cayola Pérez L, Renate S, Narel P, Fuentes Carlos A, Maldonado C, Silman M, Salinas N, Reynel C, Neill D, Serrano M, Caballero J, La Torre-Cuadros MA, Macía M, Killeen T, and Malhi Y. 2014. Spatial patterns of above-ground structure, biomass and composition in a network of six Andean elevation transects. *Plant Ecology and Diversity* 7(1): 161-171.
- Feeley KJ** and Machovina B. 2014. Correspondence: Increasing preference for beef magnifies human impact on world's food web. *Proceedings of the National Academy of Sciences USA*. 111, E794-E794.
- Machovina B and **Feeley KJ**. 2014. Correspondence: Livestock: limit red meat consumption. *Nature* 508: 186.

- Machovina B and **Feeley KJ**. 2014. Correspondence: Taking a bite out of biodiversity. *Science*. 343(6173): 838.
- Feeley KJ**., Hurtado J, Saatchi S, Silman MR, and Clark DB 2013. Compositional shifts in Costa Rican forests due to climate-driven species migrations. *Global Change Biology*. 19: 3472-2480.
- Machovina B and **Feeley KJ**. 2013. Climate change driven shifts in the extent and location of areas suitable for export banana production. *Ecological Economics*. 95: 85-93
- TerSteege H and 100+ coauthors including **Feeley KJ**. 2013. Hyper-dominance in the Amazonian tree flora. *Science*. 342: 325-334.
- Ding Z, **Feeley KJ**, Wang S, Wang Y, and Ding P. 2013. Patterns of bird functional diversity on land-bridge island fragments. *Journal of Animal Ecology*. 82: 781-790.
- Rehm EM and **Feeley KJ**. 2013. Forest patches and the upward migration of timberline in the southern Peruvian Andes. *Forest Ecology and Management*. 305: 204-211.
- Feeley KJ**. 2012. Distributional migrations, expansions, and contractions of tropical plant species as revealed in dated herbarium records. *Global Change Biology*. 18: 1335-1341.
- Feeley KJ**, Malhi Y, Zelazowski P, and Silman M. 2012. The relative importance of deforestation, precipitation change, and temperature sensitivity in determining the future distributions and diversity of Amazonian plant species. *Global Change Biology*. 18: 2636-2647.
- Feeley KJ** and Rehm E. 2012. Amazon's vulnerability to climate change heightened by deforestation and man-made dispersal barriers. *Global Change Biology*. 18: 3606-3614.
- Feeley KJ**, Rehm EM., and Machovina B. 2012. **COVER**: The responses of tropical forest species to global climate change: acclimate, adapt, migrate, or go extinct? *Frontiers in Biogeography*. 4:69-82.
- Hu G, Xu X, Wang Y, Lu G, **Feeley KJ**, Yu M. 2012. Regeneration of different plant functional types in a Masson pine forest following pine wilt disease. *PLoS ONE*. 7: e36432.
- Hu G, Wu J, **Feeley KJ**, Xu G, Yu M. 2012. The effects of landscape variables on the species-area relationship during late-stage habitat fragmentation. *PLoS ONE*. 7: e43894.
- Yu M, Y, Hu G, **Feeley KJ**, Wu J, and Ding P. 2012. Richness and composition of plants and birds on land-bridge islands: effects of island attributes and differential responses of species functional groups. *Journal of Biogeography*. 39: 1124-1133.
- Feeley KJ**, Davies SJ, Perez P, Hubbell S, Foster R. 2011. **COVER**: Directional changes in the species composition of a tropical forest. *Ecology*. 92: 871-82.
- Feeley KJ** and Silman MR. 2011. **COVER**: Keep collecting: accurate species distribution modeling requires more collections than previously thought due to temporally autocorrelated collection biases. *Diversity and Distributions*. 17: 1132-1140.
- Feeley KJ** and Silman MR. 2011. The data void in modeling current and future distributions of tropical species. *Global Change Biology*. 17: 626-630.

- Feeley KJ** and Silman MR, Bush M, Farfan W, Garcia Cabrera K, Malhi Y, Meir P, Salinas Revilla N, Raurau Quisiyupanqui MN, Saatchi S. 2011. Upward migration of Andean trees. *Journal of Biogeography*. 38: 783-791.
- Hu G, **Feeley KJ**, Wu J, Xu G, Yu M. 2011. Determinants of plant species richness and nestedness in fragmented landscapes: evidence from land-bridge islands. *Landscape Ecology*. 26: 1405-1417.
- Maness TJ, Westbrock MA, **Feeley KJ**, and Anderson DJ. 2011. Offspring sex does not influence duration of post-fledging parental care in the sexually size dimorphic Nazca Booby (*Sula granti*). *Ornitologia Neotropical* 22: 347–359.
- Feeley KJ**. 2010. Correspondence: The conservation value of secondary forests for tropical nocturnal bird species. *Animal Conservation* 13: 16-18.
- Feeley KJ** and Silman MR. 2010. Land-use and climate change effects on population size and extinction risk of Andean plants. *Global Change Biology* 16: 3215-3222.
- Feeley KJ** and Silman MR. 2010. Biotic attrition from tropical forests correcting for truncated temperature niches. *Global Change Biology* 16: 1830-1836.
- Girardin CAJ, Malhi Y, Aragao LEOC, Mamani M, Huaraca W, Durand L, **Feeley KJ**, Rapp J, Silva-Espejo JE, Silman M, Salinas N, Whittaker RJ. 2010 Net primary productivity allocation and cycling of carbon along a tropical forest elevational transect in the Peruvian Andes. *Global Change Biology* 16: 3176-3192.
- Li P, Ding P, **Feeley KJ**, Zhang J, and Jiang P. 2010. Patterns of species diversity and functional diversity of breeding birds in Hangzhou across an urbanization gradient. *Chinese Birds* 1:1–8.
- Peres CA, Gardner TA, Barlow J, Zuanon J, Michalski F, Lees AC, Vieira IC, Moreira FMS, and **Feeley KJ**. 2010. Biodiversity conservation in human-modified Amazonian forest landscapes. *Biological Conservation* 143: 2314-2327.
- Terborgh JW and **Feeley KJ**. 2010. Propagation of trophic cascades via multiple pathways in tropical forests. In: Terborgh J. W. and J. A. Estes (eds.). Pp. 125-140 in *Trophic cascades: Predators, prey, and the changing dynamics of nature*. Island Press, Washington, DC.
- Farfan W and **Feeley KJ**. 2009. Deforestacion y el mercado de carbono en los bosques tropicales. *Xilema* 26: 11-16.
- Feeley KJ** and Silman MR. 2009. Extinction risks of Amazonian plant species. *Proceedings of the National Academy of Sciences* 106, 12382-12387.
- Feeley KJ** and Silman MR. 2009. Modelling Andean and Amazonian plant species responses to climate change: the effects of geo-referencing errors and the importance of data filtering. *Journal of Biogeography* 37: 733-740.
- Feeley KJ**. 2009. “Relaxation [sensu the process of species loss from islands or fragments]” in *Encyclopedia of Islands* (R. Gillespie and D. Clague, eds.). University of California Press. Pp 787-788.
- Wang Y, Zhang J, **Feeley KJ**, Jiang P, Ding P. 2009. Life-history traits associated with fragmentation vulnerability of lizards in the Thousand Island Lake, China. *Animal Conservation* 12: 329-337.

- Zimmermann M, Meir P, Silman MR, Fedders A, Gibbon A, Malhi Y, Urrego D, Bush M, **Feeley KJ**, Garcia K, Dargie G, Farfan W, Goetz B, Johnson W, Kline K, Modi A, Rurau N, Staudt B, and Zamora F. 2009. No Differences in soil carbon stocks across the tree line in the Peruvian Andes. *Ecosystems* 13: 62-74.
- Chave J, Condit R, Muller-Landau HC, Thomas SC, Ashton PS, Bunyavejchewin S, Co LL, Dattaraja HS, Davies SJ, Esufali S, Ewango CEN, **Feeley KJ**, Foster RB, Gunatilleke N, Gunatilleke S, Hall P, Hart TB, Hernandez C, Hubbell SP, Itoh A, Kiratiprayoon S, LaFrankie JV, Loo de Lao S, Makana J-R, Noor MNS, Kassim AR, Samper C, Sukumar R, Suresh HS, Tan S, Thompson J, Tongco MDC, Valencia R, Vallejo M, Villa G, Yamakura T, Zimmerman JK, and Losos EC. (2008) Assessing evidence for a pervasive alteration in tropical tree communities. *PLoS Biology* 6: e45.
- Feeley KJ** and Silman MR. 2008. Correspondence: Unrealistic assumptions invalidate extinction estimates. *Proceedings of the National Academy of Sciences USA* 106: e121.
- Feeley KJ** and Terborgh JW. 2008 Direct vs. indirect effects of habitat reduction on the loss of avian species from tropical forest fragments. *Animal Conservation* 11: 353-360.
- Feeley KJ** and Terborgh JW. 2008 Correspondence: Trophic drivers of species loss from fragments. *Animal Conservation* 11: 366-368.
- Terborgh JW and **Feeley KJ**. 2008. "Ecosystem decay in closed forest fragments" in *Tropical Forest Community Ecology* (WP Carson and SA Schnitzer, eds.). Blackwell Publishing. pp 308-321.
- Feeley KJ**, Wright SJ, Davies S, Noor MNS, and Kassim AR. 2007. Decelerating growth in tropical forest trees. *Ecology Letters* 10: 461-469.
- Feeley KJ**, Davies SJ, Ashton PS, Bunyavejchewin S, Noor MNS, Kassim AR, Tan S, and Chave J. 2007. The role of gap-phase processes in the biomass dynamics of tropical forests. *Proceedings of the Royal Society of London B*. 274: 2857-2864.
- Feeley KJ**, Gillespie TW, Lebbin DJ, and Hart HS. 2007 Species characteristics associated with extinction vulnerability and nestedness rankings of birds in tropical forest fragments. *Animal Conservation* 10: 493-501.
- Feeley KJ**, Davies S, Noor MNS, Kassim AR, and Tan S. 2007. Do current stem size distributions predict future population changes? An empirical test of intraspecific patterns in tropical trees across two spatial scales. *Journal of Tropical Ecology* 23: 191-198.
- Feeley KJ** and Terborgh JW. 2006 Habitat fragmentation and the effects of herbivore (red howler monkey) abundances on bird diversity. *Ecology* 87: 144-150.
- Ibanez I, Clark J, Dietze MC, **Feeley KJ**, Hersh M, LaDeau S, McBride A, Welch NE, and Wolosin MS. 2006. Predicting biodiversity change: outside the climate envelope, beyond the species-area curve. *Ecology* 87: 1896-1906.
- Terborgh JW, **Feeley KJ**, Nuñez P, Balukjian B, and Silman MR. 2006. Vegetation dynamics of predator-free land-bridge islands. *Journal of Ecology* 94: 253-263.
- Feeley KJ**. 2005. The role of clumped defecation in the spatial distribution of nutrients and the availability of nutrients for plant uptake. *Journal of Tropical Ecology* 21: 99-102.

**Feeley KJ** and Terborgh JW. 2005. The effects of herbivore density on soil nutrients and tree growth in tropical forest fragments. *Ecology* 86: 116-124.

**Feeley KJ**, Gillespie TG, and Terborgh JW. 2005. The utility of spectral indices from Landsat ETM+ for measuring the structure and composition of tropical dry forests. *Biotropica* 37: 508-519.

**Feeley KJ**. 2004. The effects of forest fragmentation and increased edge exposure on leaf litter accumulation. *Journal of Tropical Ecology* 20: 709-714.

**Feeley KJ**. 2003. Analysis of the avian communities of Lake Guri, Venezuela, using multiple assembly rule models. *Oecologia* 137: 104-113.