

SUPPLEMENTARY DATA

Literature review

The 187 studies published between 1958 and 2019 that met our criteria for inclusion in this analysis of the behavioral plasticity employed by large mammals in relation to sources of human super predation, super killing, and super disturbance.

Aastrup, P., 2000. Responses of West Greenland caribou to the approach of humans on foot. *Polar Research*, 19(1), pp.83-90.

Abade, L., Cusack, J., Moll, R.J., Strampelli, P., Dickman, A.J., Macdonald, D.W. and Montgomery, R.A., 2018. Spatial variation in leopard (*Panthera pardus*) site use across a gradient of anthropogenic pressure in Tanzania's Ruaha landscape. *PloS one*, 13(10), p.e0204370.

Abrahms, B., Jordan, N.R., Golabek, K.A., McNutt, J.W., Wilson, A.M. and Brashares, J.S., 2016. Lessons from integrating behaviour and resource selection: activity-specific responses of African wild dogs to roads. *Animal Conservation*, 19(3), pp.247-255.

Acharya, K.P., Shrestha, S., Paudel, P.K., Sherpa, A.P., Jnawali, S.R., Acharya, S. and Bista, D., 2018. Pervasive human disturbance on habitats of endangered red panda *Ailurus fulgens* in the central Himalaya. *Global ecology and conservation*, 15, p.e00420.

Alados, C.L. and Escos, J., 1988. Alarm calls and flight behaviour in Spanish ibex (*Capra pyrenaica*). *Biology of Behaviour*, 13, pp.11-21.

Allen, B.L., Engeman, R.M. and Leung, L.K.P., 2014. The short-term effects of a routine poisoning campaign on the movements and detectability of a social top-predator. *Environmental Science and Pollution Research*, 21(3), pp.2178-2190.

Altmann, M., 1958. The flight distance in free-ranging big game. *The Journal of Wildlife Management*, 22(2), pp.207-209.

Andersen, R., Linnell, J.D. and Langvatn, R., 1996. Short term behavioural and physiological response of moose *Alces alces* to military disturbance in Norway. *Biological Conservation*, 77(2-3), pp.169-176.

Ausband, D.E., Stansbury, C.R., Stenglein, J.L., Struthers, J.L. and Waits, L.P., 2015. Recruitment in a social carnivore before and after harvest. *Animal Conservation*, 18(5), pp.415-423.

Averbeck, C., Plath, M., Wronski, T. and Apio, A., 2012. Effect of human nuisance on the social organisation of large mammals: group sizes and compositions of seven ungulate species in Lake Mburo National Park and the adjacent Ankole Ranching Scheme. *Wildlife Biology*, 18(2), pp.180-193.

Bahaa-el-din, L., Sollmann, R., Hunter, L.T., Slotow, R., Macdonald, D.W. and Henschel, P., 2016. Effects of human land-use on Africa's only forest-dependent felid: The African golden cat *Caracal aurata*. *Biological Conservation*, 199, pp.1-9.

- Barber-Meyer, S.M., Jnawali, S.R., Karki, J.B., Khanal, P., Lohani, S., Long, B., MacKenzie, D.I., Pandav, B., Pradhan, N.M.B., Shrestha, R. and Subedi, N., 2013. Influence of prey depletion and human disturbance on tiger occupancy in Nepal. *Journal of Zoology*, 289(1), pp.10-18.
- Barrueto, M., Ford, A.T. and Clevenger, A.P., 2014. Anthropogenic effects on activity patterns of wildlife at crossing structures. *Ecosphere*, 5(3), pp.1-19.
- Behrend, D.F. and Lubeck, R.A., 1968. Summer flight behavior of white-tailed deer in two Adirondack forests. *The Journal of Wildlife Management*, pp.615-618.
- Belotti, E., Heurich, M., Kreisinger, J., Šustr, P. and Bufka, L., 2012. Influence of tourism and traffic on the Eurasian lynx hunting activity and daily movements. *Animal Biodiversity and Conservation*, 35(2), pp.235-246.
- Berger, J., 2007. Fear, human shields and the redistribution of prey and predators in protected areas. *Biology letters*, 3(6), pp.620-623.
- Blake, S., Deem, S.L., Strindberg, S., Maisels, F., Momont, L., Isia, I.B., Douglas-Hamilton, I., Karesh, W.B. and Kock, M.D., 2008. Roadless wilderness area determines forest elephant movements in the Congo Basin. *PloS one*, 3(10), p.e3546.
- Bleicher, S.S. and Rosenzweig, M.L., 2017. Too much of a good thing? A landscape-of-fear analysis for collared peccaries (*Pecari tajacu*) reveals hikers act as a greater deterrent than thorny or bitter food. *Canadian Journal of Zoology*, 96(4), pp.317-324.
- Boettiger, A.N., Wittemyer, G., Starfield, R., Volrath, F., Douglas-Hamilton, I. and Getz, W.M., 2011. Inferring ecological and behavioral drivers of African elephant movement using a linear filtering approach. *Ecology*, 92(8), pp.1648-1657.
- Bonnot, N., Morellet, N., Verheyden, H., Cargnelutti, B., Lourtet, B., Klein, F. and Hewison, A.M., 2013. Habitat use under predation risk: hunting, roads and human dwellings influence the spatial behaviour of roe deer. *European journal of wildlife research*, 59(2), pp.185-193.
- Borkowski, J.J., White, P.J., Garrott, R.A., Davis, T., Hardy, A.R. and Reinhart, D.J., 2006. Behavioral responses of bison and elk in Yellowstone to snowmobiles and snow coaches. *Ecological Applications*, 16(5), pp.1911-1925.
- Bouyer, Y., San Martin, G., Poncin, P., Beudels-Jamar, R.C., Odden, J. and Linnell, J.D., 2015. Eurasian lynx habitat selection in human-modified landscape in Norway: Effects of different human habitat modifications and behavioral states. *Biological Conservation*, 191, pp.291-299.
- Briceño-Méndez, M., Naranjo, E.J., Mandujano, S., Altricher, M. and Reyna-Hurtado, R., 2016. Responses of two sympatric species of peccaries (*Tayassu pecari* and *Pecari tajacu*) to hunting in Calakmul, Mexico. *Tropical Conservation Science*, 9(3), p.1940082916667331.
- Bryan, H.M., Smits, J.E., Koren, L., Paquet, P.C., Wynne-Edwards, K.E. and Musiani, M., 2015. Heavily hunted wolves have higher stress and reproductive steroids than wolves with lower hunting pressure. *Functional Ecology*, 29(3), pp.347-356.

- Burton, A.C., Sam, M.K., Balangtaa, C. and Brashares, J.S., 2012. Hierarchical multi-species modeling of carnivore responses to hunting, habitat and prey in a West African protected area. *PloS one*, 7(5), p.e38007.
- Cappa, F., Campos, V., Giannoni, S. and Andino, N., 2017. The effects of poaching and habitat structure on anti-predator behavioral strategies: A guanaco population in a high cold desert as case study. *PloS one*, 12(8), p.e0184018.
- Cappa, F.M., Giannoni, S.M. and Borghi, C.E., 2017. Effects of roads on the behaviour of the largest South American artiodactyl (*Lama guanicoe*) in an Argentine reserve. *Animal Behaviour*, 131, pp.131-136.
- Caro, T.M., 1999. Demography and behaviour of African mammals subject to exploitation. *Biological Conservation*, 91(1), pp.91-97.
- Carter, N.H., Shrestha, B.K., Karki, J.B., Pradhan, N.M.B. and Liu, J., 2012. Coexistence between wildlife and humans at fine spatial scales. *Proceedings of the National Academy of Sciences*, p.201210490.
- Cassirer, E.F., Freddy, D.J. and Ables, E.D., 1992. Elk responses to disturbance by cross-country skiers in Yellowstone National Park. *Wildlife Society Bulletin (1973-2006)*, 20(4), pp.375-381.
- Chiyo, P.I., Lee, P.C., Moss, C.J., Archie, E.A., Hollister-Smith, J.A. and Alberts, S.C., 2011. No risk, no gain: effects of crop raiding and genetic diversity on body size in male elephants. *Behavioral Ecology*, 22(3), pp.552-558.
- Ciuti, S., Northrup, J.M., Muhly, T.B., Simi, S., Musiani, M., Pitt, J.A. and Boyce, M.S., 2012a. Effects of humans on behaviour of wildlife exceed those of natural predators in a landscape of fear. *PloS one*, 7(11), p.e50611.
- Cleveland, S.M., Hebblewhite, M., Thompson, M. and Henderson, R., 2012. Linking elk movement and resource selection to hunting pressure in a heterogeneous landscape. *Wildlife Society Bulletin*, 36(4), pp.658-668.
- Coleman, T.H., Schwartz, C.C., Gunther, K.A. and Creel, S., 2013. Influence of overnight recreation on grizzly bear movement and behavior in Yellowstone National Park. *Ursus*, 24(2), pp.101-110.
- Colman, J.E., Jacobsen, B.W. and Reimers, E., 2001. Summer response distances of Svalbard reindeer *Rangifer tarandus platyrhynchus* to provocation by humans on foot. *Wildlife Biology*, 7(4), pp.275-283.
- Cook, R.M., Henley, M.D. and Parrini, F., 2015. Elephant movement patterns in relation to human inhabitants in and around the Great Limpopo Transfrontier Park. *koedoe*, 57(1), pp.1-7.
- Creel, S., Christianson, D. and Schuette, P., 2013. Glucocorticoid stress responses of lions in relationship to group composition, human land use, and proximity to people. *Conservation physiology*, 1(1).

- Cristescu, B., Stenhouse, G.B. and Boyce, M.S., 2013. Perception of human-derived risk influences choice at top of the food chain. *PLoS one*, 8(12), p.e82738.
- Crosmary, W.G., Valeix, M., Fritz, H., Madzikanda, H. and Côté, S.D., 2012. African ungulates and their drinking problems: hunting and predation risks constrain access to water. *Animal Behaviour*, 83(1), pp.145-153.
- Davidson, G.A., Johnson, B.K., Noyes, J.H., Dick, B.L. and Wisdom, M.J., 2012. Effect of archer density on elk pregnancy rates and conception dates. *The Journal of Wildlife Management*, 76(8), pp.1676-1685.
- de Boer, H.Y., Breukelen, L.V., Hootsmans, M.J. and Wieren, S.E.V., 2004. Flight distance in roe deer *Capreolus capreolus* and fallow deer *Dama dama* as related to hunting and other factors. *Wildlife Biology*, 10(1), pp.35-41.
- Dellinger, J.A., Proctor, C., Steury, T.D., Kelly, M.J. and Vaughan, M.R., 2013. Habitat selection of a large carnivore, the red wolf, in a human-altered landscape. *Biological Conservation*, 157, pp.324-330.
- Díaz-Ruiz, F., Caro, J., Delibes-Mateos, M., Arroyo, B. and Ferreras, P., 2016. Drivers of red fox (*Vulpes vulpes*) daily activity: prey availability, human disturbance or habitat structure?. *Journal of Zoology*, 298(2), pp.128-138.
- Donadio, E. and Buskirk, S.W., 2006. Flight behavior in guanacos and vicuñas in areas with and without poaching in western Argentina. *Biological Conservation*, 127(2), pp.139-145.
- Dorrance, M.J., Savage, P.J. and Huff, D.E., 1975. Effects of snowmobiles on white-tailed deer. *The Journal of Wildlife Management*, pp.563-569.
- Dorresteijn, I., Schultner, J., Nimmo, D.G., Fischer, J., Hanspach, J., Kuemmerle, T., Kehoe, L. and Ritchie, E.G., 2015. Incorporating anthropogenic effects into trophic ecology: predator-prey interactions in a human-dominated landscape. *Proc. R. Soc. B*, 282(1814), p.20151602.
- Duchesne, M., Côté, S.D. and Barrette, C., 2000. Responses of woodland caribou to winter ecotourism in the Charlevoix Biosphere Reserve, Canada. *Biological conservation*, 96(3), pp.311-317.
- Duquette, J.F., Belant, J.L., Wilton, C.M., Fowler, N., Waller, B.W., Beyer Jr, D.E., Svoboda, N.J., Simek, S.L. and Beringer, J., 2017. Black bear (*Ursus americanus*) functional resource selection relative to intraspecific competition and human risk. *Canadian Journal of Zoology*, 95(3), pp.203-212.
- Eckstein, R.G., O'Brien, T.F., Rongstad, O.J. and Bollinger, J.G., 1979. Snowmobile effects on movements of white-tailed deer: a case-study. *Environmental Conservation*, 6(1), pp.45-51.
- Eldegard, K., Lyngved, J.T. and Hjeljord, O., 2012. Coping in a human-dominated landscape: trade-off between foraging and keeping away from roads by moose (*Alces alces*). *European journal of wildlife research*, 58(6), pp.969-979.

- Elfström, M., Davey, M.L., Zedrosser, A., Müller, M., De Barba, M., Støen, O.G., Miquel, C., Taberlet, P., Hackländer, K. and Swenson, J.E., 2014. Do Scandinavian brown bears approach settlements to obtain high-quality food?. *Biological Conservation*, 178, pp.128-135.
- Erb, P.L., McShea, W.J. and Guralnick, R.P., 2012. Anthropogenic influences on macro-level mammal occupancy in the Appalachian trail corridor. *PloS one*, 7(8), p.e42574.
- Ericsson, G., Neumann, W. and Dettki, H., 2015. Moose anti-predator behaviour towards baying dogs in a wolf-free area. *European journal of wildlife research*, 61(4), pp.575-582.
- Everatt, K.T., Andresen, L. and Somers, M.J., 2015. The influence of prey, pastoralism and poaching on the hierarchical use of habitat by an apex predator. *South African Journal of Wildlife Research*, 45(2), pp.187-196.
- Farris, Z.J., Golden, C.D., Karpanty, S., Murphy, A., Stauffer, D., Ratelolahy, F., Andrianjakarivelo, V., Holmes, C.M. and Kelly, M.J., 2015. Hunting, exotic carnivores, and habitat loss: anthropogenic effects on a native carnivore community, Madagascar. *PloS one*, 10(9), p.e0136456.
- Fattebert, J., Baubet, E., Slotow, R. and Fischer, C., 2017. Landscape effects on wild boar home range size under contrasting harvest regimes in a human-dominated agro-ecosystem. *European journal of wildlife research*, 63(2), p.32.
- Filla, M., Premier, J., Magg, N., Dupke, C., Khorozyan, I., Waltert, M., Bufka, L. and Heurich, M., 2017. Habitat selection by Eurasian lynx (*Lynx lynx*) is primarily driven by avoidance of human activity during day and prey availability during night. *Ecology and evolution*, 7(16), pp.6367-6381.
- Galanti, V., Preatoni, D., Martinoli, A., Wauters, L.A. and Tosi, G., 2006. Space and habitat use of the African elephant in the Tarangire–Manyara ecosystem, Tanzania: Implications for conservation. *Mammalian Biology-Zeitschrift für Säugetierkunde*, 71(2), pp.99-114.
- Gander, H. and Ingold, P., 1997. Reactions of male alpine chamois *Rupicapra r. rupicapra* to hikers, joggers and mountainbikers. *Biological Conservation*, 79(1), pp.107-109.
- Gavin, S.D. and Komers, P.E., 2006. Do pronghorn (*Antilocapra americana*) perceive roads as a predation risk?. *Canadian journal of Zoology*, 84(12), pp.1775-1780.
- Gaynor, K.M., Branco, P.S., Long, R.A., Gonçalves, D.D., Granli, P.K. and Poole, J.H., 2018. Effects of human settlement and roads on diel activity patterns of elephants (*Loxodonta africana*). *African Journal of Ecology*, 56(4), pp.872-881.
- Gehr, B., Hofer, E.J., Muff, S., Ryser, A., Vimercati, E., Vogt, K. and Keller, L.F., 2017. A landscape of coexistence for a large predator in a human dominated landscape. *Oikos*, 126(10), pp.1389-1399.
- Gehr, B., Hofer, E.J., Pewsner, M., Ryser, A., Vimercati, E., Vogt, K. and Keller, L.F., 2018. Hunting-mediated predator facilitation and superadditive mortality in a European ungulate. *Ecology and evolution*, 8(1), pp.109-119.

- George, S.L. and Crooks, K.R., 2006. Recreation and large mammal activity in an urban nature reserve. *Biological Conservation*, 133(1), pp.107-117.
- Gibeau, M.L., Clevenger, A.P., Herrero, S. and Wierzchowski, J., 2002. Grizzly bear response to human development and activities in the Bow River Watershed, Alberta, Canada. *Biological conservation*, 103(2), pp.227-236.
- Graham, M.D., Douglas-Hamilton, I., Adams, W.M. and Lee, P.C., 2009. The movement of African elephants in a human-dominated land-use mosaic. *Animal Conservation*, 12(5), pp.445-455.
- Granados, A., Weladji, R.B. and Loomis, M.R., 2012. Movement and occurrence of two elephant herds in a human-dominated landscape, the Bénoué Wildlife Conservation Area, Cameroon. *Tropical Conservation Science*, 5(2), pp.150-162.
- Grau, G.A. and Grau, B.L., 1980. Effects of hunting on hunter effort and white-tailed deer behavior. *Ohio Journal of Science* 80, pp. 150-156.
- Gurarie, E., Suutarinen, J., Kojola, I. and Ovaskainen, O., 2011. Summer movements, predation and habitat use of wolves in human modified boreal forests. *Oecologia*, 165(4), pp.891-903.
- Haroldson, M.A., Schwartz, C.C., Cherry, S. and Moody, D.S., 2004. Possible effects of elk harvest on fall distribution of grizzly bears in the Greater Yellowstone Ecosystem. *The Journal of wildlife management*, 68(1), pp.129-137.
- Hebblewhite, M., White, C.A., Nietvelt, C.G., McKenzie, J.A., Hurd, T.E., Fryxell, J.M., Bayley, S.E. and Paquet, P.C., 2005. Human activity mediates a trophic cascade caused by wolves. *Ecology*, 86(8), pp.2135-2144.
- Hegerl, C.A.R.L.A., Burgess, N.D., Nielsen, M.R., Martin, E., Ciolli, M. and Rovero, F., 2017. Using camera trap data to assess the impact of bushmeat hunting on forest mammals in Tanzania. *Oryx*, 51(1), pp.87-97.
- Hertel, A.G., Leclerc, M., Warren, D., Pelletier, F., Zedrosser, A. and Mueller, T., 2019. Don't poke the bear: using tracking data to quantify behavioural syndromes in elusive wildlife. *Animal Behaviour*, 147, pp.91-104.
- Hertel, A.G., Zedrosser, A., Mysterud, A., Støen, O.G., Steyaert, S.M. and Swenson, J.E., 2016. Temporal effects of hunting on foraging behavior of an apex predator: Do bears forego foraging when risk is high?. *Oecologia*, 182(4), pp.1019-1029.
- Hicks, L.L. and Elder, J.M., 1979. Human disturbance of Sierra Nevada bighorn sheep. *The Journal of Wildlife Management*, pp.909-915.
- Horejsi, B.L., 1981. Behavioral response of barren ground caribou to a moving vehicle. *Arctic*, pp.180-185.
- Hunninck, L., Ringstad, I.H., Jackson, C.R., May, R., Fossøy, F., Uiseb, K., Killian, W. and Røskift, E., 2017. Being stressed outside the park—conservation of African elephants (*Loxodonta africana*) in Namibia. *Conservation physiology*, 5(1), p.cox067.

- Ihwagi, F.W., Thouless, C., Wang, T., Skidmore, A.K., Omondi, P. and Douglas-Hamilton, I., 2018. Night-day speed ratio of elephants as indicator of poaching levels. *Ecological indicators*, 84, pp.38-44.
- Jachowski, D.S., McCorquodale, S., Washburn, B.E. and Millsaugh, J.J., 2015. Human Disturbance and the Physiological Response of Elk in Eastern Washington.
- Jayakody, S., Sibbald, A.M., Mayes, R.W., Hooper, R.J., Gordon, I.J. and Lambin, X., 2011. Effects of human disturbance on the diet composition of wild red deer (*Cervus elaphus*). *European Journal of Wildlife Research*, 57(4), pp.939-948.
- Jiang, G., Ma, J., Zhang, M. and Stott, P., 2009. Multiple spatial-scale resource selection function models in relation to human disturbance for moose in northeastern China. *Ecological Research*, 24(2), pp.423-440.
- Johnson, C.J. and Russell, D.E., 2014. Long-term distribution responses of a migratory caribou herd to human disturbance. *Biological Conservation*, 177, pp.52-63.
- Kays, R., Parsons, A.W., Baker, M.C., Kalies, E.L., Forrester, T., Costello, R., Rota, C.T., Millsaugh, J.J. and McShea, W.J., 2017. Does hunting or hiking affect wildlife communities in protected areas?. *Journal of Applied Ecology*, 54(1), pp.242-252.
- Kiffner, C., Kioko, J., Kissui, B., Painter, C., Serota, M., White, C. and Yager, P., 2014. Interspecific variation in large mammal responses to human observers along a conservation gradient with variable hunting pressure. *Animal conservation*, 17(6), pp.603-612.
- Kilgo, J.C., Labisky, R.F. and Fritzen, D.E., 1998. Influences of hunting on the behavior of white-tailed deer: implications for conservation of the Florida panther. *Conservation Biology*, 12(6), pp.1359-1364.
- Kite, R., Nelson, T., Stenhouse, G. and Darimont, C., 2016. A movement-driven approach to quantifying grizzly bear (*Ursus arctos*) near-road movement patterns in west-central Alberta, Canada. *Biological Conservation*, 195, pp.24-32.
- Kucera, E., 1976. Deer flushing distance as related to observer's mode of travel. *Wildlife Society Bulletin (1973-2006)*, 4(3), pp.128-129.
- Kufeld, R.C., Bowden, D.C. and Schrupp, D.L., 1988. Influence of hunting on movements of female mule deer. *Journal of Range Management*, pp.70-72.
- LaGory, K.E., 1987. The influence of habitat and group characteristics on the alarm and flight response of white-tailed deer. *Animal Behaviour*, 35(1), pp.20-25.
- Laurian, C., Ouellet, J.P., Courtois, R., Breton, L. and St-Onge, S., 2000. Effects of intensive harvesting on moose reproduction. *Journal of Applied Ecology*, 37(3), pp.515-531.
- Le Saout, S., Padié, S., Chamailé-Jammes, S., Chollet, S., Côté, S., Morellet, N., Pattison, J., Harris, E. and Martin, J.L., 2014. Short-term effects of hunting on naïve black-tailed deer (*Odocoileus hemionus sitkensis*): behavioural response and consequences on vegetation growth. *Canadian journal of zoology*, 92(11), pp.915-925.

- Leblond, M., Dussault, C. and Ouellet, J.P., 2013. Avoidance of roads by large herbivores and its relation to disturbance intensity. *Journal of zoology*, 289(1), pp.32-40.
- Lendrum, P.E., Northrup, J.M., Anderson, C.R., Liston, G.E., Aldridge, C.L., Crooks, K.R. and Wittemyer, G., 2018. Predation risk across a dynamic landscape: effects of anthropogenic land use, natural landscape features, and prey distribution. *Landscape Ecology*, 33(1), pp.157-170.
- Lesmerises, F., Dussault, C. and St-Laurent, M.H., 2012. Wolf habitat selection is shaped by human activities in a highly managed boreal forest. *Forest ecology and management*, 276, pp.125-131.
- Lesmerises, F., Dussault, C. and St-Laurent, M.H., 2013. Major roadwork impacts the space use behaviour of gray wolf. *Landscape and Urban Planning*, 112, pp.18-25.
- Little, A.R., Demarais, S., Gee, K.L., Webb, S.L., Riffell, S.K., Gaskamp, J.A. and Belant, J.L., 2014. Does human predation risk affect harvest susceptibility of white-tailed deer during hunting season?. *Wildlife Society Bulletin*, 38(4), pp.797-805.
- Little, A.R., Webb, S.L., Demarais, S., Gee, K.L., Riffell, S.K. and Gaskamp, J.A., 2016. Hunting intensity alters movement behaviour of white-tailed deer. *Basic and applied ecology*, 17(4), pp.360-369.
- Lodberg-Holm, H.K., Gelink, H.W., Hertel, A.G., Swenson, J.E., Domevscik, M. and Steyaert, S.M.J.G., 2018. A human-induced landscape of fear influences foraging behavior of brown bears. *Basic and Applied Ecology*.
- Loehr, J., Kovanen, M., Carey, J., Högmander, H., Jurasz, C., Kärkkäinen, S., Suhonen, J. and Ylönen, H., 2005. Gender-and age-class-specific reactions to human disturbance in a sexually dimorphic ungulate. *Canadian Journal of Zoology*, 83(12), pp.1602-1607.
- Lone, K., Loe, L.E., Gobakken, T., Linnell, J.D., Odden, J., Remmen, J. and Mysterud, A., 2014. Living and dying in a multi-predator landscape of fear: roe deer are squeezed by contrasting pattern of predation risk imposed by lynx and humans. *Oikos*, 123(6), pp.641-651.
- Lone, K., Loe, L.E., Meisingset, E.L., Stamnes, I. and Mysterud, A., 2015. An adaptive behavioural response to hunting: surviving male red deer shift habitat at the onset of the hunting season. *Animal Behaviour*, 102, pp.127-138.
- Lone, K., Mysterud, A., Gobakken, T., Odden, J., Linnell, J. and Loe, L.E., 2017. Temporal variation in habitat selection breaks the catch-22 of spatially contrasting predation risk from multiple predators. *Oikos*, 126(5), pp.624-632.
- Loveridge, A.J., Valeix, M., Elliot, N.B. and Macdonald, D.W., 2017. The landscape of anthropogenic mortality: how African lions respond to spatial variation in risk. *Journal of applied ecology*, 54(3), pp.815-825.
- Lynch, E., Northrup, J.M., McKenna, M.F., Anderson Jr, C.R., Angeloni, L. and Wittemyer, G., 2015. Landscape and anthropogenic features influence the use of auditory vigilance by mule deer. *Behavioral Ecology*, 26(1), pp.75-82.

- Maletzke, B.T., Wielgus, R., Koehler, G.M., Swanson, M., Cooley, H. and Alldredge, J.R., 2014. Effects of hunting on cougar spatial organization. *Ecology and evolution*, 4(11), pp.2178-2185.
- Malo, J.E., Acebes, P. and Traba, J., 2011. Measuring ungulate tolerance to human with flight distance: a reliable visitor management tool?. *Biodiversity and Conservation*, 20(14), pp.3477-3488.
- Manor, R. and Saltz, D., 2005. Effects of human disturbance on use of space and flight distance of mountain gazelles. *The Journal of Wildlife Management*, 69(4), pp.1683-1690.
- Marantz, S.A., Long, J.A., Webb, S.L., Gee, K.L., Little, A.R. and Demarais, S., 2016. Impacts of human hunting on spatial behavior of white-tailed deer (*Odocoileus virginianus*). *Canadian journal of zoology*, 94(12), pp.853-861.
- Marchand, P., Garel, M., Bourgoïn, G., Dubray, D., Maillard, D. and Loison, A., 2014. Impacts of tourism and hunting on a large herbivore's spatio-temporal behavior in and around a French protected area. *Biological conservation*, 177, pp.1-11.
- Matson, T.K., Goldizen, A.W. and Putland, D.A., 2005. Factors affecting the vigilance and flight behaviour of impalas. *South African Journal of Wildlife Research-24-month delayed open access*, 35(1), pp.1-11.
- McCarthy, K.P. and Fletcher Jr, R.J., 2015. Does hunting activity for game species have indirect effects on resource selection by the endangered Florida panther?. *Animal conservation*, 18(2), pp.138-145.
- McKay, T., Sahlén, E., Støen, O.G., Swenson, J.E. and Stenhouse, G.B., 2014. Wellsite selection by grizzly bears *Ursus arctos* in west—central Alberta. *Wildlife biology*, 20(5), pp.310-319.
- Merli, E., Grignolio, S., Marcon, A. and Apollonio, M., 2017. Wild boar under fire: the effect of spatial behaviour, habitat use and social class on hunting mortality. *Journal of Zoology*, 303(2), pp.155-164.
- Mhlanga, M., Ramesh, T., Kalle, R., Madiri, T.H. and Downs, C.T., 2018. Spotted hyaena (*Crocuta crocuta*) habitat occupancy in a national park, hunting area and private ranch in western Zimbabwe. *African Journal of Ecology*, 56(4), pp.818-827.
- Miller, S.G., Knight, R.L. and Miller, C.K., 2001. Wildlife responses to pedestrians and dogs. *Wildlife Society Bulletin*, pp.124-132.
- Montgomery, R.A., Roloff, G.J. and Millsbaugh, J.J., 2012. Importance of visibility when evaluating animal response to roads. *Wildlife Biology*, 18(4), pp.393-405.
- Montgomery, R.A., Roloff, G.J. and Millsbaugh, J.J., 2013. Variation in elk response to roads by season, sex, and road type. *The Journal of Wildlife Management*, 77(2), pp.313-325.

- Montgomery, R.A., Roloff, G.J., Millsbaugh, J.J. and Nysten-Nemetchek, M., 2014. Living amidst a sea of agriculture: predicting the occurrence of Canada lynx within an ecological island. *Wildlife biology*, 20(3), pp.145-154.
- Muhly, T.B., Semeniuk, C., Massolo, A., Hickman, L. and Musiani, M., 2011. Human activity helps prey win the predator-prey space race. *PLoS One*, 6(3), p.e17050.
- Mumma, M.A., Gillingham, M.P., Parker, K.L., Johnson, C.J. and Watters, M., 2018. Predation risk for boreal woodland caribou in human-modified landscapes: Evidence of wolf spatial responses independent of apparent competition. *Biological Conservation*, 228, pp.215-223.
- Neilson, E.W. and Boutin, S., 2017. Human disturbance alters the predation rate of moose in the Athabasca oil sands. *Ecosphere*, 8(8).
- Neumann, W. and Ericsson, G., 2018. Influence of hunting on movements of moose near roads. *The Journal of Wildlife Management*, 82(5), pp.918-928.
- Neumann, W., Ericsson, G. and Dettki, H., 2009. The non-impact of hunting on moose *Alces alces* movement, diurnal activity, and activity range. *European Journal of Wildlife Research*, 55(3), pp.255-265.
- Newby, J.R., Mills, L.S., Ruth, T.K., Pletscher, D.H., Mitchell, M.S., Quigley, H.B., Murphy, K.M. and DeSimone, R., 2013. Human-caused mortality influences spatial population dynamics: Pumas in landscapes with varying mortality risks. *Biological Conservation*, 159, pp.230-239.
- Ngoprasert, D., Lynam, A.J. and Gale, G.A., 2007. Human disturbance affects habitat use and behaviour of Asiatic leopard *Panthera pardus* in Kaeng Krachan National Park, Thailand. *Oryx*, 41(3), pp.343-351.
- Nix, J.H., Howell, R.G., Hall, L.K. and McMillan, B.R., 2018. The influence of periodic increases of human activity on crepuscular and nocturnal mammals: Testing the weekend effect. *Behavioural processes*, 146, pp.16-21.
- Norum, J.K., Lone, K., Linnell, J.D., Odden, J., Loe, L.E. and Mysterud, A., 2015. Landscape of risk to roe deer imposed by lynx and different human hunting tactics. *European Journal of Wildlife Research*, 61(6), pp.831-840.
- Oberosler, V., Groff, C., Iemma, A., Pedrini, P. and Rovero, F., 2017. The influence of human disturbance on occupancy and activity patterns of mammals in the Italian Alps from systematic camera trapping. *Mammalian Biology-Zeitschrift für Säugetierkunde*, 87, pp.50-61.
- Ohashi, H., Saito, M., Horie, R., Tsunoda, H., Noba, H., Ishii, H., Kuwabara, T., Hiroshige, Y., Koike, S., Hoshino, Y. and Toda, H., 2013. Differences in the activity pattern of the wild boar *Sus scrofa* related to human disturbance. *European Journal of Wildlife Research*, 59(2), pp.167-177.
- Ordiz, A., Kindberg, J., Sæbø, S., Swenson, J.E. and Støen, O.G., 2014. Brown bear circadian behavior reveals human environmental encroachment. *Biological Conservation*, 173, pp.1-9.

- Ordiz, A., Sæbø, S., Kindberg, J., Swenson, J.E. and Støen, O.G., 2017. Seasonality and human disturbance alter brown bear activity patterns: implications for circumpolar carnivore conservation?. *Animal Conservation*, 20(1), pp.51-60.
- Ordiz, A., Støen, O.G., Delibes, M. and Swenson, J.E., 2011. Predators or prey? Spatio-temporal discrimination of human-derived risk by brown bears. *Oecologia*, 166(1), pp.59-67.
- Ordiz, A., Støen, O.G., Sæbø, S., Kindberg, J., Delibes, M. and Swenson, J.E., 2012. Do bears know they are being hunted?. *Biological Conservation*, 152, pp.21-28.
- Ordiz, A., Støen, O.G., Sæbø, S., Sahlén, V., Pedersen, B.E., Kindberg, J. and Swenson, J.E., 2013. Lasting behavioural responses of brown bears to experimental encounters with humans. *Journal of Applied Ecology*, 50(2), pp.306-314.
- Oriol-Cotterill, A., Macdonald, D.W., Valeix, M., Ekwanga, S. and Frank, L.G., 2015. Spatiotemporal patterns of lion space use in a human-dominated landscape. *Animal Behaviour*, 101, pp.27-39.
- Pangle, W.M. and Holekamp, K.E., 2010. Lethal and nonlethal anthropogenic effects on spotted hyenas in the Masai Mara National Reserve. *Journal of Mammalogy*, 91(1), pp.154-164.
- Panthi, S., Khanal, G., Acharya, K.P., Aryal, A. and Srivathsa, A., 2017. Large anthropogenic impacts on a charismatic small carnivore: Insights from distribution surveys of red panda *Ailurus fulgens* in Nepal. *PloS one*, 12(7), p.e0180978.
- Papouchis, C.M., Singer, F.J. and Sloan, W.B., 2001. Responses of desert bighorn sheep to increased human recreation. *The Journal of wildlife management*, pp.573-582.
- Parsons, A.W., Bland, C., Forrester, T., Baker-Whetton, M.C., Schuttler, S.G., McShea, W.J., Costello, R. and Kays, R., 2016. The ecological impact of humans and dogs on wildlife in protected areas in eastern North America. *Biological conservation*, 203, pp.75-88.
- Paton, D.G., Ciuti, S., Quinn, M. and Boyce, M.S., 2017. Hunting exacerbates the response to human disturbance in large herbivores while migrating through a road network. *Ecosphere*, 8(6), p.e01841.
- Peterson, M.E., Anderson Jr, C.R., Northrup, J.M. and Doherty Jr, P.F., 2017. Reproductive success of mule deer in a natural gas development area. *Wildlife Biology*, pp.wlb-00341.
- Phillips, G.E. and Alldredge, A.W., 2000. Reproductive success of elk following disturbance by humans during calving season. *The Journal of Wildlife Management*, pp.521-530.
- Picardi, S., Basille, M., Peters, W., Ponciano, J.M., Boitani, L. and Cagnacci, F., 2019. Movement responses of roe deer to hunting risk. *The Journal of Wildlife Management*, 83(1), pp.43-51.

- Proffitt, K.M., Grigg, J.L., Hamlin, K.L. and Garrott, R.A., 2009. Contrasting effects of wolves and human hunters on elk behavioral responses to predation risk. *The Journal of Wildlife Management*, 73(3), pp.345-356.
- Proffitt, K.M., Thompson, S., Henry, D., Jimenez, B. and Gude, J.A., 2016. Hunter access affects elk resource selection in the Missouri breaks, Montana. *The Journal of Wildlife Management*, 80(7), pp.1167-1176.
- Prokopenko, C.M., Boyce, M.S. and Avgar, T., 2017. Extent-dependent habitat selection in a migratory large herbivore: road avoidance across scales. *Landscape ecology*, 32(2), pp.313-325.
- Quiroga, V.A., Noss, A.J., Paviolo, A., Boaglio, G.I. and Di Bitetti, M.S., 2016. Puma density, habitat use and conflict with humans in the Argentine Chaco. *Journal for Nature Conservation*, 31, pp.9-15.
- Recarte, J.M., Vincent, J.P. and Hewison, A.J.M., 1998. Flight responses of park fallow deer to the human observer. *Behavioural Processes*, 44(1), pp.65-72.
- Reimers, E., Miller, F.L., Eftestøl, S., Colman, J.E. and Dahle, B., 2006. Flight by feral reindeer *Rangifer tarandus tarandus* in response to a directly approaching human on foot or on skis. *Wildlife Biology*, 12(4), pp.403-413.
- Rivrud, I.M., Bischof, R., Meisingset, E.L., Zimmermann, B., Loe, L.E. and Mysterud, A., 2016. Leave before it's too late: anthropogenic and environmental triggers of autumn migration in a hunted ungulate population. *Ecology*.
- Rode, K.D., Farley, S.D., Fortin, J. and Robbins, C.T., 2007. Nutritional consequences of experimentally introduced tourism in brown bears. *The Journal of wildlife management*, 71(3), pp.929-939.
- Rogala, J.K., Hebblewhite, M., Whittington, J., White, C.A., Coleshill, J. and Musiani, M., 2011. Human activity differentially redistributes large mammals in the Canadian Rockies National Parks. *Ecology and Society*, 16(3).
- Sahlén, V., Ordiz, A., Swenson, J.E. and Støen, O.G., 2015. Behavioural differences between single Scandinavian brown bears (*Ursus arctos*) and females with dependent young when experimentally approached by humans. *PloS one*, 10(4), p.e0121576.
- Saïd, S., Tolon, V., Brandt, S. and Baubet, E., 2012. Sex effect on habitat selection in response to hunting disturbance: the study of wild boar. *European Journal of Wildlife Research*, 58(1), pp.107-115.
- Santos, J.P., Acevedo, P., Carvalho, J., Queirós, J., Villamuelas, M., Fonseca, C., Gortázar, C., López-Olvera, J.R. and Vicente, J., 2018. The importance of intrinsic traits, environment and human activities in modulating stress levels in a wild ungulate. *Ecological Indicators*, 89, pp.706-715.
- Sawyer, H., Korfanta, N.M., Nielson, R.M., Monteith, K.L. and Strickland, D., 2017. Mule deer and energy development—Long-term trends of habituation and abundance. *Global change biology*, 23(11), pp.4521-4529.

- Schuttler, S.G., Parsons, A.W., Forrester, T.D., Baker, M.C., McShea, W.J., Costello, R. and Kays, R., 2017. Deer on the lookout: how hunting, hiking and coyotes affect white-tailed deer vigilance. *Journal of Zoology*, 301(4), pp.320-327.
- Seidler, R.G., Long, R.A., Berger, J., Bergen, S. and Beckmann, J.P., 2015. Identifying impediments to long-distance mammal migrations. *Conservation Biology*, 29(1), pp.99-109.
- Semeñiuk, M.B. and Merino, M.L., 2016. Behavioral responses of the pampas deer (*Ozotoceros bezoarticus*) to human disturbance in San Luis province, Argentina. *North-Western Journal of Zoology*.
- Setsaas, T.H., Holmern, T., Mwakalebe, G., Stokke, S. and Røskoft, E., 2007. How does human exploitation affect impala populations in protected and partially protected areas?—A case study from the Serengeti Ecosystem, Tanzania. *Biological Conservation*, 136(4), pp.563-570.
- Shamoon, H., Maor, R., Saltz, D. and Dayan, T., 2018. Increased mammal nocturnality in agricultural landscapes results in fragmentation due to cascading effects. *Biological conservation*, 226, pp.32-41.
- Shannon, G., Cordes, L.S., Hardy, A.R., Angeloni, L.M. and Crooks, K.R., 2014. Behavioral responses associated with a human-mediated predator shelter. *PLoS One*, 9(4), p.e94630.
- Smith, J.A., Suraci, J.P., Clinchy, M., Crawford, A., Roberts, D., Zanette, L.Y. and Wilmers, C.C., 2017. Fear of the human 'super predator' reduces feeding time in large carnivores. *Proc. R. Soc. B*, 284(1857), p.20170433.
- Smith, J.A., Wang, Y. and Wilmers, C.C., 2015. Top carnivores increase their kill rates on prey as a response to human-induced fear. *Proceedings of the Royal Society of London B: Biological Sciences*, 282(1802), p.20142711.
- Smith, J.A., Wang, Y. and Wilmers, C.C., 2016. Spatial characteristics of residential development shift large carnivore prey habits. *The Journal of Wildlife Management*, 80(6), pp.1040-1048.
- Snyman, A., Raynor, E., Chizinski, C., Powell, L. and Carroll, J., 2018. African lion (*Panthera leo*) space use in the Greater Mapungubwe Transfrontier Conservation Area. *African Journal of Wildlife Research*, 48(2), pp.1-12.
- Stillfried, M., Belant, J.L., Svoboda, N.J., Beyer, D.E. and Kramer-Schadt, S., 2015. When top predators become prey: black bears alter movement behaviour in response to hunting pressure. *Behavioural processes*, 120, pp.30-39.
- Støen, O.G., Ordiz, A., Evans, A.L., Laske, T.G., Kindberg, J., Frøbert, O., Swenson, J.E. and Arnemo, J.M., 2015. Physiological evidence for a human-induced landscape of fear in brown bears (*Ursus arctos*). *Physiology & behavior*, 152, pp.244-248.
- Strampelli, P., Andresen, L., Everatt, K.T., Somers, M.J. and Rowcliffe, J.M., 2018. Habitat use responses of the African leopard in a human-disturbed region of rural Mozambique. *Mammalian Biology*, 89, pp.14-20.

- Swenson, J.E., 1982. Effects of hunting on habitat use by mule deer on mixed-grass prairie in Montana. *Wildlife Society Bulletin*, pp.115-120.
- Tarakini, T., Crosmary, W.G., Fritz, H. and Mundy, P., 2014. Flight behavioural responses to sport hunting by two African herbivores. *South African journal of wildlife research*, 44(1), pp.76-83.
- Thurfjell, H., Ciuti, S. and Boyce, M.S., 2017. Learning from the mistakes of others: How female elk (*Cervus elaphus*) adjust behaviour with age to avoid hunters. *PloS one*, 12(6), p.e0178082.
- Thurfjell, H., Spong, G. and Ericsson, G., 2013. Effects of hunting on wild boar *Sus scrofa* behaviour. *Wildlife Biology*, 19(1), pp.87-93.
- van Doormaal, N., Ohashi, H., Koike, S. and Kaji, K., 2015. Influence of human activities on the activity patterns of Japanese sika deer (*Cervus nippon*) and wild boar (*Sus scrofa*) in Central Japan. *European journal of wildlife research*, 61(4), pp.517-527.
- Visscher, D.R., Macleod, I., Vujnovic, K., Vujnovic, D. and Dewitt, P.D., 2017. Human risk induced behavioral shifts in refuge use by elk in an agricultural matrix. *Wildlife Society Bulletin*, 41(1), pp.162-169.
- Wadey, J., Beyer, H.L., Saaban, S., Othman, N., Leimgruber, P. and Campos-Arceiz, A., 2018. Why did the elephant cross the road? The complex response of wild elephants to a major road in Peninsular Malaysia. *Biological Conservation*, 218, pp.91-98.
- Wang, Y., Smith, J.A. and Wilmers, C.C., 2017. Residential development alters behavior, movement, and energetics in an apex predator, the puma. *PloS one*, 12(10), p.e0184687.
- Westekemper, K., Reinecke, H., Signer, J., Meißner, M., Herzog, S. and Balkenhol, N., 2018. Stay on trails—effects of human recreation on the spatiotemporal behavior of red deer *Cervus elaphus* in a German national park. *Wildlife Biology*, 2018, pp.wlb-00403.
- Whitman, B.J., Porter, W.F., Dechen Quinn, A.C., Williams, D.M., Frair, J., Underwood, H.B. and Crawford, J.C., 2018. Movement behavior preceding autumn mortality for white-tailed deer in central New York. *Journal of Mammalogy*, 99(3), pp.675-683.
- Wisdom, M.J., Preisler, H.K., Naylor, L.M., Anthony, R.G., Johnson, B.K. and Rowland, M.M., 2018. Elk responses to trail-based recreation on public forests. *Forest Ecology and Management*, 411, pp.223-233.
- Wittemyer, G., Keating, L.M., Vollrath, F. and Douglas-Hamilton, I., 2017. Graph theory illustrates spatial and temporal features that structure elephant rest locations and reflect risk perception. *Ecography*, 40(5), pp.598-605.
- Wittemyer, G., Polansky, L., Douglas-Hamilton, I. and Getz, W.M., 2008. Disentangling the effects of forage, social rank, and risk on movement autocorrelation of elephants using Fourier and wavelet analyses. *Proceedings of the National Academy of Sciences*, pp.pnas-0801744105.

- Xiao, W., Hebblewhite, M., Robinson, H., Feng, L., Zhou, B., Mou, P., Wang, T. and Ge, J., 2018. Relationships between humans and ungulate prey shape Amur tiger occurrence in a core protected area along the Sino-Russian border. *Ecology and Evolution*, 8(23), pp.11677-11693.
- Zanón-Martínez, J.I., Kelly, M.J., Mesa-Cruz, J.B., Sarasola, J.H., DeHart, C. and Travaini, A., 2016. Density and activity patterns of pumas in hunted and non-hunted areas in central Argentina. *Wildlife Research*, 43(6), pp.449-460.
- Zarzo-Arias, A., del Mar Delgado, M., Ordiz, A., Díaz, J.G., Cañedo, D., González, M.A., Romo, C., García, P.V., Bombieri, G., Bettega, C. and Russo, L.F., 2018. Brown bear behaviour in human-modified landscapes: The case of the endangered Cantabrian population, NW Spain. *Global Ecology and Conservation*, 16, p.e00499.
- Zbyryt, A., Bubnicki, J.W., Kuijper, D.P., Dehnhard, M., Churski, M. and Schmidt, K., 2017. Do wild ungulates experience higher stress with humans than with large carnivores?. *Behavioral Ecology*, 29(1), pp.19-30.
- Zimmermann, B., Nelson, L., Wabakken, P., Sand, H. and Liberg, O., 2014. Behavioral responses of wolves to roads: scale-dependent ambivalence. *Behavioral Ecology*, 25(6), pp.1353-1364.

DATA SOURCES

Focal Species among this Literature

Reference	Focal Species	Taxonomy
Aastrup_2000	Rangifer tarandus	Ungulata
Abade_etal_2018	Panthera pardus	Carnivora
Abrahms_etal_2016	Lycaon pictus	Carnivora
Acharya_etal_2018	Ailurus fulgens	Carnivora
Alados_and_Escos_1988	Capra pyrenaica	Ungulata
Allen_etal_2014	Canis lupus dingo	Carnivora
Altmann_etal_1958	Cervus elaphus and Alces alces	Ungulata
Anderson_etal_1996	Alces alces	Ungulata
Ausband_etal_2015	Canis lupus	Carnivora
Averbeck_etal_2012	7 African ungulates	Ungulata
Bahaa-el-din_etal_2016	Caracal aurata	Carnivora
Barber-Meyer_etal_2013	Panthera tigris	Carnivora
Barrueto_etal_2014	8 species of large mammals	Ungulata and Carnivora
Behrend_and_Lubeck_1968	Odocoileus virginianus	Ungulata
Belotti_etal_2012	Lynx lynx	Carnivora
Berger_2007	Alces alces	Ungulata
Blake_etal_2008	Loxodonta africana	Proboscidea
Bleicher_and_Rosenzweig_2017	Pecari tajacu	Ungulata
Boettiger_etal_2011	Loxodonta africana	Proboscidea
Bonnot_etal_2013	Capreolus capreolus	Ungulata
Borkowski_etal_2006	Bison bison and Cervus elaphus	Ungulata
Bouyer_etal_2015	Lynx lynx	Carnivora

Briceño-Méndez_etal_2016	Tayassu pecari, Pecari tajacu	Ungulata
Bryan_etal_2015	Canis lupus	Carnivora
Burton_etal_2012	9 species of carnivore	Carnivora
Cappa_etal_2017a	Lama guanicoe	Ungulata
Cappa_etal_2017b	Lama guanicoe	Ungulata
Caro_1999	19 species of large mammals	Carnivora, Proboscidea, and Ungulata
Carter_etal_2012	Panthera tigris	Carnivora
Cassirer_etal_1992	Cervus elaphus	Ungulata
Chiyo_etal_2011	Loxodonta africana	Proboscidea
Ciuti_etal_2012a	Cervus elaphus	Ungulata
Cleveland_etal_2012	Cervus elaphus	Ungulata
Coleman_etal_2013	Ursus arctos	Carnivora
Colman_etal_2001	Rangifer tarandus	Ungulata
Cook_etal_2015	Loxodonta africana	Proboscidea
Creel_etal_2013	Panthera leo	Carnivora
Cristescu_etal_2013	Ursus arctos	Carnivora
Crosmary_etal_2012	3 ungulate species	Ungulata
Davidson_etal_2012	Cervus elaphus	Ungulata
de Boer_etal_2004	Capreolus capreolus and Dama dama	Ungulata
Dellinger_etal_2013	Canis rufus	Carnivora
Díaz-Ruiz_etal_2016	Vulpes vulpes	Carnivora
Donadio_and_Buskirk_2006	Lama guanicoe and Vicugna vicugna	Ungulata
Dorrance_etal_1975	Odocoileus virginianus	Ungulata
Dorresteijn_etal_2015	Several species of carnivores and ungulates	Carnivora and Ungulata
Duchesne_etal_2000	Rangifer tarandus	Ungulata
Duquette_etal_2017	Ursus americanus	Carnivora
Eckstein_etal_1979	Odocoileus virginianus	Ungulata
Eldegard_etal_2012	Alces alces	Ungulata
Elfström_etal_2014	Ursus arctos	Carnivora
Erb_etal_2012	Several species of carnivores and ungulates	Carnivora and Ungulata
Ericsson_etal_2015	Alces alces	Ungulata
Everatt_etal_2015	Panthera leo	Carnivora
Farris_etal_2015	Several species of carnivores	Carnivora
Fattebert_etal_2017	Sus scrofa	Ungulata
Filla_etal_2017	Lynx lynx	Carnivora
Galanti_etal_2006	Loxodonta africana	Proboscidea
Gander_and_Ingold_1997	Rupicapra rupicapra	Ungulata
Gavin_and_Komers_2006	Antilocapra americana	Ungulata
Gaynor_etal_2018b	Loxodonta africana	Proboscidea
Gehr_etal_2017	Lynx lynx	Carnivora
Gehr_etal_2018	Capreolus capreolus	Ungulata
George_and_Crooks_2006	Several species of carnivore and ungulate	Carnivora and Ungulata
Gibeau_etal_2002	Ursus arctos	Carnivora

Graham_etal_2009	Loxodonta africana	Proboscidea
Granados_etal_2012	Loxodonta africana	Proboscidea
Grau_and_Grau_1980	Odocoileus virginianus	Ungulata
Gurarie_etal_2011	Canis lupus	Carnivora
Haroldson_etal_2004	Ursus arctos	Carnivora
Hebblewhite_etal_2005	Canis lupus	Carnivora
Hegerl_etal_2017	Many different species	Carnivora, ungulata, and proboscidea
Hertel_etal_2016	Ursus arctos	Carnivora
Hertel_etal_2019	Ursus arctos	Carnivora
Hicks_and_Elder_1979	Ovis canadensis	Ungulata
Horejsi_1981	Rangifer tarandus	Ungulata
Hunninck_etal_2017	Loxodonta africana	Proboscidea
Ihwagi_etal_2018	Loxodonta africana	Proboscidea
Jachowski_etal_2015	Cervus elaphus	Ungulata
Jayakody_etal_2011	Cervus elaphus	Ungulata
Jiang_etal_2009	Alces alces	Ungulata
Johnson_and_Russell_2014	Rangifer tarandus	Ungulata
Kays_etal_2017	Several species	Carnivora and Ungulata
Kiffner_etal_2014	Several species	Ungulata and Proboscidea
Kilgo_etal_1998	Odocoileus virginianus	Ungulata
Kite_etal_2016	Ursus arctos	Carnivora
Kucera_1976	Odocoileus virginianus	Ungulata
Kufeld_etal_1988	Odocoileus hemionus	Ungulata
LaGory_1987	Odocoileus virginianus	Ungulata
Laurian_etal_2000	Alces alces	Ungulata
Le Saout_etal_2014	Odocoileus hemionus	Ungulata
Leblond_etal_2013	Rangifer tarandus	Ungulata
Lendrum_etal_2018	Odocoileus hemionus	Ungulata
Lesmerises_etal_2012	Canis lupus	Carnivora
Lesmerises_etal_2013	Canis lupus	Carnivora
Little_etal_2014	Odocoileus virginianus	Ungulata
Little_etal_2015	Odocoileus virginianus	Ungulata
Lodberg-Holm_etal_2018	Ursus arctos	Carnivora
Loehr_etal_2005	Ovis dalli	Ungulata
Lone_etal_2014	Capreolus capreolus	Ungulata
Lone_etal_2015	Cervus elaphus	Ungulata
Lone_etal_2017	Capreolus capreolus	Ungulata
Loveridge_etal_2017	Panthera leo	Carnivora
Lynch_etal_2015	Odocoileus virginianus	Ungulata
Maletske_etal_2014	Puma concolor	Carnivora
Malo_etal_2011	Lama guanicoe	Ungulata
Manor_and_Saltz_2005	Gazella gazella	Ungulata
Marantz_etal_2016	Odocoileus virginianu	Ungulata
Marchand_etal_2014	Ovis gmelini	Ungulata
Matson_etal_2005	Aepyceros melampus	Ungulata
McCarthy_etal_2015	Puma concolor	Carnivora
McKay_etal_2014	Ursus arctos	Carnivora

Merli_etal_2017	<i>Sus scrofa</i>	Ungulata
Mhlanga_etal_2018	<i>Crocuta crocuta</i>	Carnivora
Miller_etal_2001	<i>Odocoileus hemionus</i>	Ungulata
Montgomery_etal_2012	<i>Cervus elaphus</i>	Ungulata
Montgomery_etal_2013	<i>Cervus elaphus</i>	Ungulata
Montgomery_etal_2014	<i>Lynx canadensis</i>	Carnivora
Muhly_etal_2011	Several species of carnivore and ungulate	Carnivora and Ungulata
Mumma_etal_2018	<i>Rangifer tarandus</i>	Ungulata
Neilson_and_Boutin_2017	<i>Canis lupus</i>	Carnivora
Neumann_and_Ericsson_2018	<i>Alces alces</i>	Ungulata
Neumann_etal_2009	<i>Alces alces</i>	Ungulata
Newby_etal_2013	<i>Puma concolor</i>	Carnivora
Ngoprasert_etal_2007	<i>Panthera pardus</i>	Carnivora
Nix_etal_2018	<i>Odocoileus hemionus</i>	Ungulata
Norum_etal_2015	<i>Capreolus capreolus</i>	Ungulata
Obersler_etal_2017	Several species mammals	Carnivora and Ungulata
Ohashi_etal_2013	<i>Sus scrofa</i>	Ungulata
Ordiz_etal_2011	<i>Ursus arctos</i>	Carnivora
Ordiz_etal_2012	<i>Ursus arctos</i>	Carnivora
Ordiz_etal_2013a	<i>Ursus arctos</i>	Carnivora
Ordiz_etal_2014	<i>Ursus arctos</i>	Carnivora
Ordiz_etal_2017a	<i>Ursus arctos</i>	Carnivora
Oriol-Cotterill_etal_2015	<i>Panthera leo</i>	Carnivora
Pangle_and_Holekamp_2010	<i>Crocuta crocuta</i>	Carnivora
Panthi_etal_2017	<i>Ailurus fulgens</i>	Carnivora
Papouchis_etal_2001	<i>Ovis canadensis</i>	Ungulata
Parsons_etal_2015	Several species of carnivores and ungulates	Carnivora and Ungulata
Paton_etal_2017	<i>Cervus elaphus</i>	Ungulata
Peterson_etal_2017	<i>Odocoileus hemionus</i>	Ungulata
Phillips_and_Allredge_2000	<i>Cervus elaphus</i>	Ungulata
Picardi_etal_2019	<i>Capreolus capreolus</i>	Ungulata
Proffitt_etal_2009	<i>Cervus elaphus</i>	Ungulata
Proffitt_etal_2016	<i>Cervus elaphus</i>	Ungulata
Prokopenko_etal_2017	<i>Cervus elaphus</i>	Ungulata
Quiroga_etal_2016	<i>Puma concolor</i>	Carnivora
Recarte_etal_1998	<i>Dama dama</i>	Ungulata
Reimers_etal_2006b	<i>Rangifer tarandus</i>	Ungulata
Rivrud_etal_2016	<i>Cervus elaphus</i>	Ungulata
Rode_etal_2007	<i>Ursus arctos</i>	Carnivora
Rogala_etal_2011	<i>Canis lupus</i> and <i>Cervus elaphus</i>	Carnivora and Ungulata
Sahlén_etal_2015	<i>Ursus arctos</i>	Carnivora
Saïd_etal_2012	<i>Sus scrofa</i>	Ungulata
Santos_etal_2018	<i>Cervus elaphus</i>	Ungulata
Sawyer_etal_2017	<i>Odocoileus hemionus</i>	Ungulata
Schuttler_etal_2017	<i>Odocoileus virginianus</i>	Ungulata
Seidler_etal_2015	<i>Antilocapra americana</i>	Ungulata
Semeñiuk_and_Merino_2016	<i>Ozotoceros bezoarticus</i>	Ungulata

Setsaas_etal_2007	<i>Aepycerus melampus</i>	Ungulata
Shamoon_etal_2018	Several species of ungulate and carnivore	Carnivora and Ungulata
Shannon_etal_2014	<i>Antilocapra americana</i> and <i>Cervus elaphus</i>	Ungulata
Smith_etal_2015	<i>Puma concolor</i>	Carnivora
Smith_etal_2016	<i>Puma concolor</i>	Carnivora
Smith_etal_2017	<i>Puma concolor</i>	Carnivora
Snyman_etal_2018	<i>Panthera leo</i>	Carnivora
Stillfried_etal_2015	<i>Ursus americanus</i>	Carnivora
Støen_etal_2015	<i>Ursus arctos</i>	Carnivora
Strampelli_etal_2018	<i>Panthera pardus</i>	Carnivora
Swenson_1982	<i>Odocoileus hemionus</i>	Ungulata
Tarakini_etal_2014	<i>Aepyceros melampus</i> and <i>Tragelaphus strepsiceros</i>	Ungulata
Thurfjell_etal_2013	<i>Sus scrofa</i>	Ungulata
Thurfjell_etal_2017	<i>Cervus elaphus</i>	Ungulata
van Doormaal_etal_2015	<i>Cervus nippon</i> and <i>Sus scrofa</i>	Ungulata
Visscher_etal_2017	<i>Cervus elaphus</i>	Ungulata
Wadey_etal_2018	<i>Elephas maximus</i>	Proboscidea
Wang_etal_2017	<i>Puma concolor</i>	Carnivora
Westekemper_etal_2018	<i>Cervus elaphus</i>	Ungulata
Whitman_etal_2018	<i>Odocoileus virginianus</i>	Ungulata
Wisdom_etal_2018	<i>Cervus elaphus</i>	Ungulata
Wittemyer_etal_2008	<i>Loxodonta africana</i>	Proboscidea
Wittemyer_etal_2017	<i>Loxodonta africana</i>	Proboscidea
Xiao_etal_2018	<i>Panthera tigris</i>	Carnivora
Zanón-Martínez_etal_2016	<i>Puma concolor</i>	Carnivora
Zarzo-Arias_etal_2018	<i>Ursus arctos</i>	Carnivora
Zbyryt_etal_2018	<i>Cervus elaphus</i> and <i>Capreolus capreolus</i>	Ungulata
Zimmermann_etal_2014	<i>Canis lupus</i>	Carnivora