

Professor Markus Borner : Other major publications

Books

- **Borner, M.**, Fryxell, J. M., Holdo, R. M., Hopcraft, J. G. C., Mduma, S., Mwangomo, E., Thirgood, S. J., Olf, H., & Sinclair, A.R.E. (2015). Why are wildebeest the most abundant herbivore in the Serengeti Ecosystem? In Fryxell, J. M., Metzger, K. L., Mduma, S.A.R., & Sinclair, A. R. E. (eds.) *Serengeti IV: Sustaining biodiversity in a coupled human-natural system* (pp.125-174). Chicago: University of Chicago Press.
ISBN: 9780226196336
- **Borner, M.**, Gereta, E., Laurenson, K., Malpas, R., Mlingwa, C., Runyoro, V., & Thurgood, S. (2008). Who pays for conservation? Current and future financing scenarios for the Serengeti ecosystem. In Fryxel, J. M., Mduma, S. A. R., Packer, C. & Sinclair, A.R.E. (eds.) *Serengeti III: Human Impacts on Ecosystem Dynamics* (pp.443-471). Chicago: University of Chicago Press.
ISBN: 9780226760353
- **Borner, M.** & Campbell, K. (1995). Population trends and distribution of Serengeti herbivores; Implications for management. In Sinclair, A. R. E. & Arcese, P. (eds.) *Serengeti II : Dynamics, Management, and Conservation of an Ecosystem* (pp. 117-145). Chicago: University of Chicago Press.
ISBN: 9780226760315

Articles

- Bigurube, G., **Borner, M.**, Hopcraft, J. G. C., & Lembeli, J. D. (2015). Balancing conservation with national development: a socio-economic case study of the alternatives to the Serengeti Road. *PLoS ONE*, 10(7). doi: 10.1371/journal.pone.0130577
- Bigurube, G., **Borner, M.**, Dobson, A., Haydon, D. T., Kijazi, A., Lembli, J. D., Mduma, S. A. R., Rentsch, D., Sinclair, A.R.E., & Wakilema, W. (2015). Conservation and economic benefits of a road around the Serengeti. *Conservation Biology*, 29(3), 932-936. doi: 10.1111/cobi.12470
- **Borner, M.**, Cleaveland, S., & Gislason, M. (2014). Ecology and conservation: contributions to One Health. *Revue scientifique et technique (International Office of Epizootics)*, 33(2), 615-627.
- Beyer, H. L., **Borner, M.**, Haydon, D. T., Hopcraft, J. G. C., Morales, J. M., Mwangomo, E., Olf, H., & Sinclair, A. R. E. (2014). Competition, predation, and migration: individual choice patterns of Serengeti migrants captured by hierarchical models. *Ecological Monographs*, 84(3), 355-372. doi: 10.1890/13-1446.1
- Creel, S. et al. (2013). Conserving large populations of lions - the argument for fences has holes. *Ecology Letters*, 16(11), 1413e3. doi: 10.1111/ele.12145
- Dobson, A.P. et al. (2010). Road will ruin Serengeti. *Nature*, 467(7313), 272-273. doi: 10.1038/467272a
- **Borner, M.**, Caro, T., Mduma, S., Mlingwa, C., Sabuni, G., Schelten, C., & Stoner, C. (2007). Changes in large herbivore populations across large areas of Tanzania. *African Journal of Ecology*, 45, 202-215. doi: 10.1111/j.1365-2028.2006.00705.xView
- Amiyo, A., **Borner, M.**, Mills, A., Morkel, P., Runyoro, V. & Thirgood, Simon. (2006). Managing small population in practice: black rhino *Diceros bicornis michaeli* in the Ngorongoro Crater, Tanzania. *Oryx*, 40(3), 319-323. doi: 10.1017/S0030605306000901
- **Borner, M.**, Hilborn, R., Hopcraft, G., Kissui, B., Mduma, S., Mosser, A., Packer, C., Sinclair, A. R. E., & Wilmshurst, J. (2005). Ecological change, group territoriality, and population dynamics in Serengeti lions. *Science*, 307(5708), 390-393. doi: 10.1126/science.1105122
- Arcese, P., **Borner, M.**, Hando, J., Hilborn, R., Hopcraft, G., Loibooki, M., Mduma, S., & Sinclair, A. R.E. (2006). Effective enforcement in a conservation area. *Science*, 314(5803), 1266. doi: 10.1126/science.1132780
- **Borner, M.**, Fryxell, J., Hopcraft, G., Kilewo, M., Mlengeya, T., Mosser, A., Mwangomo, E., Tham, S., Thirgood, S., & Sinclair, A.R.E. (2004). Can parks protect migratory ungulates? The case of the Serengeti wildebeest? *Animal Conservation*, 7(2), 113-120. doi: 10.1017/S1367943004001404

- **Borner, M.**, Gereta, E., Serneels, S., & Wolanski, E. (2002). Use of an ecohydrology model to predict the impact on the Serengeti ecosystem of deforestation, irrigation and the proposed Amala Weir Water Diversion Project in Kenya. *Ecohydrology and Hydrobiology*, 2(1-4), 135-142.
- **Borner, M.**, Campbell, K.L.I., Caro, T.M., Farm, B.P., Huish, S.A., Ole Kuwai, J., Pelkey, N., Severre, E.L.M., & Woodworth, B.L. (1998). Consequences of different forms of conservation for large mammals in Tanzania: preliminary analyses. *African Journal of Ecology*, 36, 303-320. doi: 10.1046/j.1365-2028.1998.00147.x
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- **Borner, M.**, Gascoyne, S.C., Laurensen, M.K., & Lelo, S. (1993b). Rabies in African wild dogs (*Lycaon pictus*) in the Serengeti region, Tanzania. *Journal of Wildlife Diseases*, 29, 396-402. doi: <http://dx.doi.org/10.7589/0090-3558-29.3.396>
- **Borner, M.**, Fanshawe, J.H., Fitzgibbon, C., Ginsberg, J.R., Girman, D.J., Kat, P.W., Lau, L.M., Mills, M.G., Wayne, R.K. & Wilson, V. (1993). Molecular genetic and Morphological analyses of the African wild dog (*Lycaon pictus*). *Journal of Heredity*, 84, 450-459.
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