

PUBLICATIONS

- 2018 Villmoare, B. Early Homo and the role of the genus in paleoanthropology. *Yearbook of Physical Anthropology*. 165: 72–89.
- 2018 Powell, V, Esteve-Altaja, B, Molnar, J, Villmoare, B, Pettit, A, Diogo, R. Primate modularity and evolution: first anatomical network analysis of primate head and neck musculoskeletal system. *Scientific Reports* 8:2341.
- 2016 Kimbel, W, Villmoare, B. From Australopithecus to Homo : the transition that wasn't. *Philosophical Transactions of The Royal Society B: Biological Sciences* 371(1698): 20150248.
- 2016 Hatala K, Roach, N, Ostrofsky, K, Wunderlich, R, Dingwall, H, Villmoare, B, Green, D, Braun, D, Richmond, B. Footprints reveal direct evidence of group behavior and locomotion in *Homo erectus*. *Scientific Reports* 6:28766.
- 2016 Roach, N, Hatala, K, Ostrofsky, K, Villmoare, B, Rees, J, Du, A, Braun, D, Harris, W, Beherensmeyer, K, Richmond, B. Pleistocene footprints show intensive use of lake margin habitats by *Homo erectus* groups. *Scientific Reports* 6:26374
- 2016 Tocheri, M, Dommain, R, McFarlin, S., Burnett, S, Case, T, Orr, C, Roach, N, Villmoare, B, Eriksen, A, Kalthoff, D. Senck, S, Assefa, Z, Groves, C, Jungers, W. The Evolutionary Origin and Population History of the Grauer Gorilla. *Yearbook of Physical Anthropology* 159: S4–S18.
- 2015 Villmoare, B, Kimbel, W, Seyoum, C, Campisano, C, DiMaggio, Rowan, J, Braun, D, Arrowsmith, R, Reed, K, Early Homo at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia. *Science* 347: 1352-1355.
- 2015 Villmoare, B, Kimbel, W, Seyoum, C, Campisano, C, DiMaggio, Rowan, J, Braun, D, Arrowsmith, R, Reed, K. Response to Comment on “Early Homo at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia”. *Science* 348: 1326.
- 2015 Esteve-Altava B, Boughner JC, Diogo R, Villmoare BA, Rasskin-Gutman D. Anatomical Network Analysis Shows Decoupling of Modular Lability and Complexity in the Evolution of the Primate Skull. *PLoS ONE* 10(5): e0127653.doi:10.1371/journal.pone.0127653.
- 2014 Villmoare, B, Dunmore, C, Kilpatrick, S, Oerteltd, N, and Fish, J. Craniofacial modularity, character analysis, and the evolution of the mid-face in early African hominins. *Journal of Human Evolution* 77: 143–154.
- 2013 Villmoare, B, Kuykendall, K., Rae, T., Brimacombe, C. Continuous dental eruption identifies Sts 5 as the developmentally oldest fossil hominin and informs the taxonomy of *Australopithecus africanus*. *Journal of Human Evolution* 64(6):473-698.
- 2013 Villmoare, B. Morphological integration, evolutionary constraints, and extinction: a computer simulation-based study. *Evolutionary Biology* 40:76–83.

- 2011 Villmoare, B. and Kimbel, W. CT-based study of internal structure of the anterior pillar in extinct hominins and its implications for the phylogeny of robust Australopithecus. *Proceedings of the National Academy of Sciences* 108: 16200-16205.
Last name 2
- 2011 Villmoare B., Fish J., and Jungers, W. Selection, morphological integration, and strepsirrhine locomotor adaptations. *Evolutionary Biology* 38: 88-99.
- 2011 Fish, J., Villmoare, B., Köbernick, K., Compagnucci, C., Tarabykin, V., and Depew, M., *Satb2*, modularity, and the evolvability of the vertebrate jaw. *Evolution and Development* 13: 549-564.
- 2005 Villmoare B. Metric and non-metric randomization methods, geographic variation, and the single-species hypothesis for Asian and African *Homo erectus*. *Journal of Human Evolution*. 49: 680-701