

Selected Publications (#equal contribution)

1. **Zhang L**, Guo K, Zhang G-Z, Lin L-H, Ji X: Evolutionary transitions in body plan and reproductive mode alter maintenance metabolism in squamates. *BMC Evolutionary Biology* 2018; 18:45.
2. **Zhang L**[#], Yang F[#], Wang Z., Zhu W: Role of thermal physiology and bioenergetics on adaptation in tree shrew (*Tupaia belangeri*): the experiment test. *Scientific Reports* 2017; 7:41352.
3. **Zhang L**[#], Yang F[#], Cai J, Huang C, Wang Z, Zhu W: The role of photoperiod on the expression of hypothalamic genes regulating appetite in Chevrier's field mouse (*Apodemus chevrieri*). *Animal Biology* 2015; 65(1):45-56.
4. **Zhang L**[#], Zhu W[#], Yang F, Wang Z: Influence of photoperiod on cold-adapted thermogenesis and endocrine aspects in the tree shrew (*Tupaia belangeri*). *Animal Biology* 2014; 64(1):1-17.
5. Zhu W[#], **Zhang L**[#], Gao W, Yu T, Wang Z: Effects of temperature and diet on energy budget and hormone concentrations in South China field mouse, *Apodemus draco*, from Hengduan mountain region. *Pakistan Journal of Zoology* 2014; 46: 485–496.
6. Zhu W[#], Zhang D, **Zhang L**[#], Wang Z: Effects of long-term forced exercise training on body mass, energy metabolism and serum leptin levels in *Apodemus chevrieri* (Mammalia: Rodentia: Muridae). *Italian Journal of Zoology* 2013; 80(3): 373-393.
7. Zhu W[#], **Zhang L**[#], Wang Z: Effects of exogenous leptin on body mass, thermogenesis capacity and hormone concentrations of Yunnan Chinese vole, *Eothenomys miletus*, under varied photoperiod. *Pakistan Journal of Zoology* 2013; 45: 997–1006.
8. **Zhang L**, Cai J, Xiao C, Wang Z: A Protocol for DNA extraction from feces of the wild Pygmy Lorises, *Nycticebus pygmaeus*. *Pakistan Journal of Zoology* 2013; 45(5):1235-1239.
9. **Zhang L**, Liu P, Zhu W, Cai H, Wang Z: Variations in thermal physiology and energetics of the tree shrew (*Tupaia belangeri*) in response to cold acclimation. *Journal of Comparative Physiology B* 2012; 182(1):167-176.
10. **Zhang L**, Zhang H, Zhu W, Li X, Wang Z: Energy metabolism, thermogenesis and body mass regulation in tree shrew (*Tupaia belangeri*) during subsequent cold and warm acclimation. *Comparative Biochemistry and Physiology A* 2012; 162(4):437-442.
11. **Zhang L**, Zhu W, Wang Z: Role of photoperiod on hormone concentrations and adaptive capacity in tree shrews, *Tupaia belangeri*. *Comparative Biochemistry and Physiology A* 2012; 163(3-4):253-259.
12. **Zhang L**[#], Liu P[#], Wang Z: Thermoregulatory development in pups of Chevrier's field mouse (*Apodemus chevrieri*) in Hengduan mountain region. *Pakistan Journal of Zoology* 2012; 44(6):1539-1544.
13. **Zhang L**, Wang R, Zhu WL, Liu PF, Cai JH, Wang Zk, Sivasakthivel.S, Lian X: Adaptive thermogenesis of the liver in tree shrew (*Tupaia belangeri*) during cold acclimation. *Animal Biology* 2011; 61:385-402.