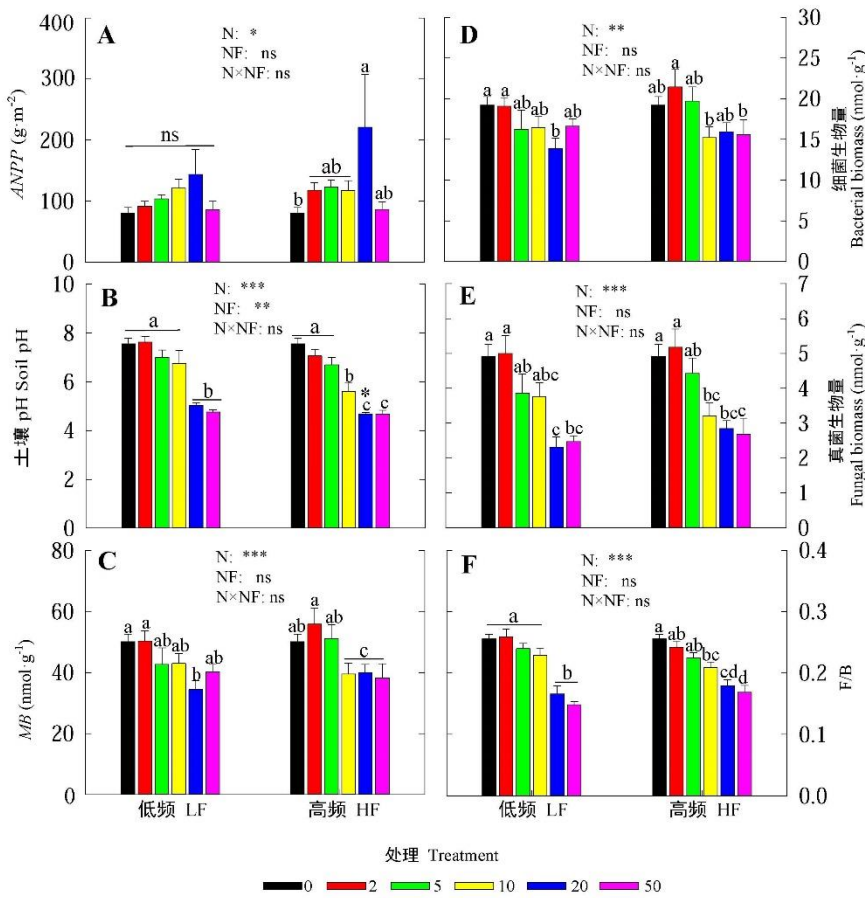


杨泽, 嘎玛达尔基, 谭星儒, 游翠海, 王彦兵, 杨俊杰, 韩兴国, 陈世莘 (2020). 氮添加量和施氮频率对温带半干旱草原土壤呼吸及组分的影响. 植物生态学报, 44, 1059–1072. DOI: 10.17521/cjpe.2020.0171  
 Yang Z, GAMADAERJI, Tan XR, You CH, Wang YB, Yang JJ, Han XG, Chen SP (2020). Effects of nitrogen addition amount and frequency on soil respiration and its components in a temperate semiarid grassland. *Chinese Journal of Plant Ecology*, 44, 1059–1072. DOI: 10.17521/cjpe.2020.0171  
<http://www.plant-ecology.com/CN/10.17521/cjpe.2020.0171>

附录 I 氮添加量和施氮频率对地上净初级生产力(ANPP)(A)、土壤 pH (B)、土壤微生物生物量(MB)(C)、细菌生物量(D)、真菌生物量(E)、真菌/细菌比(F/B)(F)的影响。

Supplement I Effects of different nitrogen addition amount and frequency treatments on aboveground net primary productivity (ANPP)(A), soil pH (B), microbial biomass (MB)(C), bacterial biomass (D), fungal biomass (E) and fungal biomass/bacterial biomass ratio (F/B)(F).



图中数据为平均值±标准误差。图中不同颜色的图标分别代表0、2、5、10、20、50 g m<sup>-2</sup> a<sup>-1</sup>氮添加处理。图中给出了氮添加量(N)、施氮频率(NF)及其交互作用(N × NF)的对地上净初级生产力、土壤 pH 和土壤微生物影响的显著性检验结果(\*\*\*,  $p < 0.001$ ; \*\*,  $p < 0.01$ ; \*,  $p < 0.05$ ; ns,  $p > 0.05$ )。图柱上的小写字母代表不同氮添加量处理间的差异显著性, 相同字母表示无显著差异( $p > 0.05$ ), 不同字母表示有显著差异( $p < 0.05$ )。图柱上的星号表示不同施氮频率处理影响的差异显著性(\*,  $p < 0.05$ )。

Data are mean ± SE. Different color icons in the figure represent N addition treatments with 0, 2, 5, 10, 20, 50 g m<sup>-2</sup> a<sup>-1</sup>, respectively. The ANOVA results were shown in the figure to address the significance of effects of N addition amount (N), frequency (F) and their interactions (N × F) on the parameters (\*\*\*,  $p < 0.001$ ; \*\*,  $p < 0.01$ ; \*,  $p < 0.05$ ; ns,  $p > 0.05$ ). The lowercase letters on the column represent the significance among different nitrogen addition treatments. The same letter means no significance ( $p > 0.05$ ), while different letters mean significant differences ( $p < 0.05$ ). The significant difference between low and high N addition frequency treatments were marked with an asterisk sign on the column (\*,  $p < 0.05$ ).