宋慧清, 倪鸣源, 朱师丹 (2019). 乔木与木质藤本的水力与光合性状的差异: 以热带森林崖豆藤属和买麻藤属为例. 植物生态学报, 43, 192–204. DOI: 10.17521/cjpe.2019.0304

Song HQ, Ni MY, Zhu SD (2019). Hydraulic and photosynthetic characteristics differ between co-generic tree and liana species: a case study of *Millettia* and *Gnetum* in tropical forest. *Chinese Journal of Plant Ecology*, 43, 192–204. DOI: 10.17521/cjpe.2019.0304

http://www.plant-ecology.com/CN/10.17521/cjpe.2019.0304

附录I 三个类别下(本研究所有种、崖豆藤属、崖豆藤属)乔木与藤本在6个水力性状指标间的平均值、标准误差和差异显著性

Supplement I Mean value, standard error and comparisons significance of six hydraulic traits between tree and liana in different groups

指标	所有种 All species		崖豆藤属 *Millettia*		买麻藤属 *Gnetum*	
Trait	乔木 Tree n = 5	藤本 Liana n = 4	乔木 Tree n = 3	藤本 Liana n = 3	乔木 Tree n = 2	藤本 Liana n = 1
$P_{50branch}$	–1.6218 ± 0.2065	–1.1146 ± 0.1908	–1.3364 ± 0.0778	–1.0033 ± 0.2192	–2.0498 ± 0.3210	–1.4484
P_{50leaf}	–2.2171 ± 0.3208	–2.4415 ± 0.4798	–2.6857 ± 0.2606	–2.9182 ± 0.0947	–1.5141 ± 0.0449	–1.4882
k_s	0.6743 ± 0.0395	0.9647 ± 0.0636***	0.7586 ± 0.0532	0.9014 ± 0.071	0.5480 ± 0.0289	1.1544 ± 0.0970***
k_l	0.5701 ± 0.0403	0.7569 ± 0.0428***	0.6046 ± 0.0629	0.7177 ± 0.0499	0.5183 ± 0.0332	0.8511 ± 0.0733***
A_l/A_s	0.3859 ± 0.0204	0.4522 ± 0.0120*	0.4268 ± 0.0292	0.4260 ± 0.0208	0.3246 ± 0.0085	0.5310 ± 0.0222***
WD	0.2033 ± 0.0050	0.1792 ± 0.0101*	0.2159 ± 0.0071	0.2006 ± 0.0078	0.1887 ± 0.0044	0.1235 ± 0.0043***

A_l/A_s, 叶面积/边材面积; k_l, 叶比导率; k_s, 边材比导率; $P_{50branch}$, 枝条导水率损失50%时的水势值; P_{50leaf}, 叶片导水率损失50%时的水势值; *WD*, 边材密度。*表示同一类别下的乔木与藤本之间有显著差异(*, $p < 0.05$; ***, $p < 0.01$)。

A_l/A_s, leaf area/sapwood area ratio; k_l, leaf specific hydraulic conductivity; k_s, sapwood specific hydraulic conductivity; $P_{50branch}$, water potential at 50% loss of branch hydraulic conductivity; P_{50leaf}, water potential at 50% loss of leaf hydraulic conductivity; *WD*, sapwood density. * indicates significant difference between tree and liana in the same group (*, $p < 0.05$; ***, $p < 0.01$).