

浙江天童受损常绿阔叶林实验生态学研究

浙江天童受损常绿阔叶林实验生态学研究(III): 从热值角度分析常绿阔叶林常见种的适应策略

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摘要 对浙江天童国家森林公园木荷+米楮群落中植物各器官的热值进行比较分析. 结果表明, (1) 从生活型来看, 不同生活型其叶的热值差异显著($df=47$, $P<0.05$), 常绿阔叶乔木高于常绿阔叶灌木, 落叶阔叶乔木高于常绿阔叶灌木; (2) 主要植物在幼苗时期各器官热值普遍较幼树、成株时期高, 在幼苗时期通过极强的光能转化能力, 用于主干的高度生长; (3) 石栎、米楮、栲树及苦楮的萌生植株和实生植株各器官的能量配置格局不同.

关键词 [天童国家森林公园](#) [木荷+米楮群落](#) [热值](#)

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Experimental ecology research on destroyed evergreen broad-leaved forests in TNFP, Zhejiang (III): Analysis the adaptive strategy of common species in evergreen broad-leaved forest from caloric value(Chinese)

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Abstract

Caloric values of various organs of plant species from *Schima superba* + *Castanopsis carlesii* community in the subtropical evergreen broad-leaved forest in Tiantong National Forest Park (TNFP), Zhejiang Province were studied in this paper. The results showed that caloric values of different life-form's leaves had significant differences, and evergreen broad-leaved trees and deciduous broad-leaved trees were higher than evergreen broad-leaved shrubs. It also showed that caloric values of dominant plants at sapling stage were higher than those of young and adult. *Lithocarpus glaber*, *Castanopsis carlesii*, *Castanopsis fargesii*, *Castanopsis sclerophylla* and *Myrica rubra*, five main species, showed the different caloric pattern of different organs. It suggests that energy pattern is closely related to their adaptive strategy in the subtropical evergreen broad-leaved forest.

Key words [TNFP](#) [Schima superba+Castanopsis carlesii community](#) [caloric value](#)

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