

张入匀, 李艳朋, 倪云龙, 桂旭君, 练璐愉, 叶万辉. 鼎湖山南亚热带常绿阔叶林叶功能性状沿群落垂直层次的种内变异. 生物多样性, 2019, 27 (12): 1279–1290. <http://www.biodiversity-science.net/CN/10.17520/biods.2019267>

附录1 各个垂直层次中的物种信息和16个树种在不同垂直层次的功能性状(平均值 ± 标准差)

2 Appendix 1 The summary of species information in each vertical layer and functional trait values of 16 species in different vertical layer (mean ± SD)

| 物种 Species | 垂直层次 Vertical stratification | 个体数 Number of individuals | 比叶面积 Specific leaf area | 干物质含量 Leaf dry matter content | 叶厚度 Leaf thickness | 叶面积 Leaf area |
|-------------------------------------|---------------------------------|------------------------------|----------------------------|----------------------------------|-----------------------|------------------|
| 白楸 <i>Mallotus paniculatus</i> | 灌木层 | 77 | 222.99 ± 4.37 | 2.34 ± 0.8 | 0.21 ± 0.04 | 502.73 ± 140.76 |
| | 亚冠层 | 45 | 172.81 ± 40.9 | 2.33 ± 0.81 | 0.26 ± 0.07 | 397.22 ± 154.84 |
| 短序润楠 <i>Machilus breviflora</i> | 灌木层 | 14 | 134.89 ± 20.1 | 0.96 ± 0.24 | 0.29 ± 0.06 | 128.2 ± 31.07 |
| | 亚冠层 | 21 | 121.26 ± 24.72 | 0.98 ± 0.18 | 0.3 ± 0.04 | 117.55 ± 26.28 |
| | 林冠层 | 22 | 90.67 ± 20.61 | 0.77 ± 0.2 | 0.4 ± 0.05 | 69.84 ± 24.86 |
| 橄榄 <i>Canarium album</i> | 灌木层 | 147 | 186.26 ± 36.23 | 2.53 ± 1.11 | 0.23 ± 0.03 | 442.47 ± 131.53 |
| | 亚冠层 | 14 | 149.42 ± 27.78 | 3.45 ± 1.26 | 0.27 ± 0.03 | 500.52 ± 174.42 |
| | 林冠层 | 8 | 107.14 ± 21.7 | 2.73 ± 0.87 | 0.35 ± 0.04 | 285.46 ± 84.56 |
| 荷木 <i>Schima superba</i> | 灌木层 | 29 | 135.89 ± 12.72 | 1.46 ± 0.41 | 0.28 ± 0.03 | 196.5 ± 52.75 |
| | 亚冠层 | 100 | 135.1 ± 43.34 | 1.41 ± 0.47 | 0.3 ± 0.05 | 176.6 ± 52.32 |
| | 林冠层 | 174 | 92.55 ± 28.49 | 1.4 ± 0.41 | 0.4 ± 0.05 | 128.53 ± 50.57 |
| 厚壳桂 <i>Cryptocarya chinensis</i> | 灌木层 | 44 | 116.64 ± 7.77 | 1.23 ± 0.27 | 0.34 ± 0.03 | 145.01 ± 27.98 |
| | 亚冠层 | 8 | 99.93 ± 8.21 | 1.36 ± 0.21 | 0.35 ± 0.03 | 135.27 ± 15.23 |
| 黄果厚壳桂 <i>Cryptocarya concinna</i> | 灌木层 | 362 | 134.37 ± 13 | 0.74 ± 0.19 | 0.29 ± 0.03 | 100.07 ± 25 |
| | 亚冠层 | 40 | 125.91 ± 11.62 | 0.82 ± 0.17 | 0.31 ± 0.03 | 105.19 ± 25 |
| 黄杞 <i>Engelhardtia roxburghiana</i> | 灌木层 | 56 | 164.83 ± 17.51 | 2.24 ± 0.69 | 0.29 ± 0.02 | 370.97 ± 104.95 |
| | 亚冠层 | 23 | 142.91 ± 21.21 | 2.01 ± 0.71 | 0.3 ± 0.02 | 280.47 ± 91.43 |
| 假苹婆 <i>Sterculia lanceolata</i> | 灌木层 | 264 | 241.93 ± 36.37 | 1.45 ± 0.55 | 0.2 ± 0.03 | 344.64 ± 121.8 |
| | 亚冠层 | 34 | 199.09 ± 35.43 | 1.74 ± 0.55 | 0.23 ± 0.04 | 341.04 ± 104.54 |
| 黧蒴锥 <i>Castanopsis fissa</i> | 灌木层 | 67 | 141.43 ± 16.65 | 7.23 ± 1.98 | 0.24 ± 0.02 | 1039.14 ± 332.27 |
| | 亚冠层 | 6 | 115.81 ± 17.86 | 4.68 ± 1.95 | 0.27 ± 0.02 | 532.46 ± 277.64 |
| 蒲桃 <i>Syzygium jambos</i> | 灌木层 | 88 | 103.61 ± 9.67 | 2.22 ± 0.48 | 0.38 ± 0.04 | 232.39 ± 37.17 |
| | 亚冠层 | 35 | 98.08 ± 11.07 | 2.63 ± 0.61 | 0.4 ± 0.03 | 251.33 ± 48.99 |
| 水同木 <i>Ficus fistulosa</i> | 灌木层 | 93 | 171.93 ± 25.29 | 6.81 ± 2.44 | 0.33 ± 0.05 | 1153.24 ± 431.73 |
| | 亚冠层 | 15 | 164.86 ± 40.83 | 5.64 ± 1.68 | 0.35 ± 0.06 | 908 ± 272.35 |
| 鸭脚木 <i>Schefflera octophylla</i> | 灌木层 | 287 | 159.92 ± 40.57 | 3.1 ± 1.4 | 0.34 ± 0.05 | 462.91 ± 151.33 |
| | 亚冠层 | 73 | 145.16 ± 42.64 | 3.27 ± 1.39 | 0.37 ± 0.07 | 445.49 ± 168.85 |
| 银柴 <i>Aporosa dioica</i> | 灌木层 | 306 | 143.27 ± 19.63 | 1.16 ± 0.35 | 0.37 ± 0.04 | 163.55 ± 44.73 |
| | 亚冠层 | 66 | 137.87 ± 21.91 | 1.04 ± 0.3 | 0.37 ± 0.05 | 139.43 ± 35.26 |
| 鱼骨木 <i>Canthium dicoccum</i> | 灌木层 | 55 | 132.51 ± 16.84 | 1.17 ± 0.24 | 0.3 ± 0.03 | 156.75 ± 30.55 |
| | 亚冠层 | 41 | 120.7 ± 21.59 | 1.23 ± 0.26 | 0.32 ± 0.05 | 156.71 ± 32.71 |
| 鱼尾葵 <i>Caryota ochlandra</i> | 灌木层 | 14 | 197.25 ± 21.46 | 2.09 ± 0.72 | 0.27 ± 0.04 | 422.09 ± 110.26 |
| | 亚冠层 | 39 | 173.11 ± 30.57 | 3.32 ± 1.63 | 0.33 ± 0.18 | 501.54 ± 148.95 |
| | 林冠层 | 5 | 117.35 ± 22.98 | 11.82 ± 5.75 | 0.97 ± 0.36 | 608.49 ± 119.54 |
| 锥栗 <i>Castanea henryi</i> | 灌木层 | 17 | 145.12 ± 12.25 | 1.29 ± 0.28 | 0.22 ± 0.04 | 190.07 ± 38.65 |
| | 亚冠层 | 19 | 139.22 ± 26.06 | 1.46 ± 0.45 | 0.27 ± 0.09 | 189.51 ± 56.82 |
| | 林冠层 | 12 | 143.94 ± 16.44 | 1.69 ± 0.46 | 0.41 ± 0.13 | 158.69 ± 62.11 |