

熊映杰, 于果, 魏凯璐, 彭娟, 耿鸿儒, 杨冬梅, 彭国全 (2022). 天童山阔叶木本植物叶片大小与叶脉密度及单位叶脉长度细胞壁干质量的关系. 植物生态学报, 46, 136-147. DOI: 10.17521/cjpe.2021.0060

Xiong YJ, Yu G, Wei KL, Peng J, Geng HR, Yang DM, Peng GQ (2022). Relationship between lamina size, vein density and vein cell wall dry mass per unit vein length of broad-leaved woody species on Tiantong Mountain, southeastern China. *Chinese Journal of Plant Ecology*, 46, 136-147. DOI: 10.17521/cjpe.2021.0060
<https://www.plant-ecology.com/CN/10.17521/cjpe.2021.0060>

附录 I 天童国家森林公园 38 个阔叶木本植物叶片大小与叶脉结构性状数据(平均值±标准误)

Supplement I Lamina size and vein architecture traits (mean ± SE) of 38 broad-leaved woody species in Tiantong National Forest Park

物种 Species	拉丁文名 Latin name	叶片面积 ILA (cm ²)	叶片周长 ILP (cm)	叶片干质量 ILM (g)	总叶脉密度 TVD (cm·cm ⁻²)	主脉密度 M _a VD (cm·cm ⁻²)	细脉密度 M _i VD (cm·cm ⁻²)	主脉单位长度 细胞壁干质量 WMPMVL (μg·cm ⁻¹)
枹栎	<i>Quercus serrata</i>	19.88 ± 1.66	24.51 ± 1.20	0.26 ± 0.02	96.80 ± 1.87	3.15 ± 0.16	93.48 ± 1.76	126.51 ± 6.13
檫木	<i>Sassafras tzumu</i>	106.01 ± 16.43	56.78 ± 6.05	0.56 ± 0.08	91.24 ± 2.93	1.28 ± 0.06	90.81 ± 2.88	311.68 ± 14.18
麻栎	<i>Quercus acutissima</i>	84.46 ± 6.67	49.91 ± 1.48	0.68 ± 0.05	101.51 ± 1.41	1.52 ± 0.07	100.1 ± 1.38	296.09 ± 10.10
毛脉槭	<i>Acer pubinerve</i>	46.29 ± 6.16	51.97 ± 4.44	0.29 ± 0.04	103.46 ± 4.95	2.46 ± 0.10	101.19 ± 4.94	118.66 ± 5.87
山鸡椒	<i>Litsea cubeba</i>	14.03 ± 0.64	20.19 ± 1.24	0.08 ± 0.01	79.51 ± 6.92	3.36 ± 0.03	76.02 ± 6.94	86.19 ± 0.71
天童锐角槭	<i>Acer acutum</i> var. <i>tientungense</i>	39.00 ± 1.10	45.97 ± 1.51	0.21 ± 0.01	100.33 ± 2.44	2.49 ± 0.06	98.03 ± 2.46	119.29 ± 2.50
小果冬青	<i>Ilex micrococca</i>	47.57 ± 3.88	32.7 ± 1.05	0.33 ± 0.03	80.44 ± 1.06	1.68 ± 0.06	78.67 ± 1.03	196.86 ± 7.59
香果树	<i>Emmenopterys henryi</i>	179.47 ± 29.00	57.08 ± 3.81	1.27 ± 0.21	52.92 ± 0.94	0.77 ± 0.03	52.06 ± 0.95	617.87 ± 34.15
玉兰	<i>Magnolia denudata</i>	96.05 ± 14.98	43.17 ± 3.05	0.42 ± 0.07	36.21 ± 2.04	1.26 ± 0.08	35.00 ± 2.08	227.83 ± 16.35
油桐	<i>Vernicia fordii</i>	196 ± 32.54	56.07 ± 4.91	1.64 ± 0.27	90.71 ± 6.96	1.02 ± 0.09	89.84 ± 6.99	229.22 ± 17.36
枳椇	<i>Hovenia acerba</i>	74.99 ± 11.17	38.22 ± 3.08	1.24 ± 0.18	83.83 ± 2.55	1.60 ± 0.15	82.58 ± 2.63	129.90 ± 11.96
薄叶山矾	<i>Symplocos anomala</i>	14.99 ± 1.26	18.97 ± 0.93	0.16 ± 0.01	67.00 ± 1.65	2.66 ± 0.08	58.41 ± 1.72	110.42 ± 2.79
杜英	<i>Elaeocarpus decipiens</i>	22.29 ± 2.56	23.17 ± 1.15	0.22 ± 0.03	80.85 ± 1.08	2.35 ± 0.13	78.36 ± 1.17	164.14 ± 9.49
木樨	<i>Osmanthus fragrans</i>	25.59 ± 2.23	24.04 ± 1.12	0.27 ± 0.02	78.21 ± 2.44	2.10 ± 0.09	76.11 ± 2.44	100.13 ± 8.57
港柯	<i>Lithocarpus harlandii</i>	39.33 ± 3.14	29.98 ± 1.33	0.61 ± 0.05	76.56 ± 1.94	2.33 ± 0.10	74.49 ± 1.93	189.99 ± 8.55
广玉兰	<i>Magnolia grandiflora</i>	109.65 ± 15.02	46.43 ± 3.19	1.28 ± 0.17	60.80 ± 1.61	1.29 ± 0.10	59.37 ± 1.61	287.60 ± 42.87
光叶石楠	<i>Photinia glabra</i>	10.83 ± 1.66	15.68 ± 1.09	0.16 ± 0.02	91.41 ± 0.87	3.99 ± 0.29	87.49 ± 0.97	75.31 ± 5.28
红楠	<i>Machilus thunbergii</i>	30.45 ± 2.46	27.01 ± 1.40	0.36 ± 0.03	78.01 ± 4.30	2.56 ± 0.13	75.5 ± 4.33	238.11 ± 11.2
交让木	<i>Daphniphyllum macropodum</i>	22.36 ± 1.65	21.26 ± 0.97	0.24 ± 0.02	56.26 ± 1.26	2.56 ± 0.10	53.72 ± 1.21	142.70 ± 6.06
栲	<i>Castanopsis fargesii</i>	29.55 ± 0.40	28.01 ± 0.64	0.31 ± 0.01	102.27 ± 2.60	2.67 ± 0.05	99.60 ± 2.62	170.74 ± 2.77
罗浮柿	<i>Diospyros morrisiana</i>	21.05 ± 1.90	20.80 ± 0.55	0.26 ± 0.02	83.47 ± 5.48	2.13 ± 0.15	81.41 ± 5.58	72.80 ± 4.92
老鼠矢	<i>Symplocos stellaris</i>	28.17 ± 3.57	27.82 ± 2.28	0.39 ± 0.05	65.95 ± 2.09	2.53 ± 0.20	26.30 ± 2.27	60.64 ± 9.39
木荷	<i>Schima superba</i>	31.12 ± 3.25	25.59 ± 1.72	0.40 ± 0.04	71.38 ± 7.10	2.34 ± 0.06	68.81 ± 7.10	164.46 ± 4.31
米槠	<i>Castanopsis carlesii</i>	7.69 ± 1.00	14.77 ± 1.01	0.11 ± 0.01	116.15 ± 2.35	4.75 ± 0.35	111.59 ± 2.35	92.16 ± 6.35
青冈栎	<i>Cyclobalanopsis glauca</i>	18.99 ± 1.45	21.41 ± 1.02	0.27 ± 0.02	114.88 ± 3.69	3.30 ± 0.12	111.56 ± 3.67	48.68 ± 3.31
山茶	<i>Camellia japonica</i>	24.73 ± 1.34	21.96 ± 0.60	0.34 ± 0.02	51.9 ± 1.14	1.94 ± 0.10	50.10 ± 1.14	237.46 ± 10.47
山矾	<i>Symplocos sumuntia</i>	39.88 ± 3.84	33.49 ± 0.94	0.34 ± 0.03	60.47 ± 1.49	2.01 ± 0.13	58.41 ± 1.39	136.92 ± 8.61
珊瑚树	<i>Viburnum odoratissimum</i>	47.32 ± 2.01	33.08 ± 1.14	0.58 ± 0.02	40.10 ± 0.57	1.69 ± 0.03	38.45 ± 0.56	174.30 ± 3.24
苦槠	<i>Castanopsis sclerophylla</i>	30.63 ± 1.58	29.04 ± 1.21	0.40 ± 0.02	92.76 ± 1.45	2.47 ± 0.08	90.64 ± 1.45	172.62 ± 5.85
深山含笑	<i>Michelia maudiae</i>	74.02 ± 7.06	41.37 ± 3.78	0.64 ± 0.06	28.84 ± 1.04	1.30 ± 0.07	27.54 ± 0.99	567.61 ± 25.70
细叶青冈	<i>Cyclobalanopsis gracilis</i>	14.65 ± 1.32	19.66 ± 1.36	0.18 ± 0.02	101.81 ± 2.73	3.21 ± 0.15	98.57 ± 2.60	77.38 ± 6.59
小叶青冈	<i>Cyclobalanopsis myrsinifolia</i>	16.32 ± 2.17	22.52 ± 1.24	0.13 ± 0.02	91.77 ± 2.82	3.12 ± 0.21	88.82 ± 2.93	160.50 ± 25.38
杨梅	<i>Myrica rubra</i>	20.76 ± 2.32	23.51 ± 1.43	0.21 ± 0.02	55.61 ± 0.94	2.41 ± 0.12	53.20 ± 0.94	121.38 ± 11.44
云山青冈	<i>Cyclobalanopsis sessilifolia</i>	10.74 ± 1.30	15.7 ± 0.99	0.19 ± 0.02	94.16 ± 2.30	4.18 ± 0.15	89.95 ± 2.27	69.17 ± 4.53
浙江楠	<i>Phoebe chekiangensis</i>	41.49 ± 2.42	36.5 ± 0.95	0.33 ± 0.02	122.54 ± 1.38	2.10 ± 0.09	120.44 ± 1.38	150.01 ± 6.49
樟	<i>Cinnamomum camphora</i>	26.64 ± 4.42	23.27 ± 1.82	0.26 ± 0.04	85.41 ± 2.90	2.31 ± 0.15	83.09 ± 2.86	203.62 ± 15.08
樟叶槭	<i>Acer cinnamomifolium</i>	12.32 ± 0.93	18.19 ± 0.91	0.10 ± 0.01	68.8 ± 1.06	2.94 ± 0.06	65.81 ± 1.02	113.42 ± 2.32
木莲	<i>Manglietia fordiana</i>	68.28 ± 6.15	41.02 ± 2.95	0.70 ± 0.06	71.06 ± 1.85	1.54 ± 0.08	69.53 ± 1.80	281.77 ± 14.85

ILA, individual lamina area; ILM, individual lamina mass; ILP, individual lamina perimeter; M_aVD, major vein density; M_iVD, minor vein density; TVD, total vein density; WMPMVL, cell wall dry mass per unit length of major vein.