Supplementary Materials: Net Primary Productivity of *Pinus massoniana* Dependence on Climate, Soil and Forest Characteristics

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**Table S1.** Primary data of site condition, plot size, stand age, density, component biomass (stem, B1; branch, B2; leaf, B3; root, B4; aboveground organs, B5; and tree layer, B6) and measurement year for *Pinus massoniana* forests in southern China.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Province** | **Site name** | **PS** | **LONG** | **LAT** | **ELE** | **Age** | **Density** | **B1** | **B2** | **B3** | **B4** | **B5** | **B6** | **MY** | **REF** |
| **(m2)** | **(**°**)** | **(**°**)** | **(m)** | **(year)** | **(Tree·ha-1)** | **Mg·ha-1** | **Mg·ha-1** | **Mg·ha-1** | **Mg·ha-1** | **Mg·ha-1** | **Mg·ha-1** |
| Guizhou | Dejiang | >600 | 108.093 | 28.264 | 855 | 11 | 2033 | 18.04 | 3.73 | 3.56 | 4.59 | 25.33 | 29.92 |  | [1] |
| Guizhou | Dejiang | >600 | 108.093 | 28.264 | 855 | 21 | 2030 | 68.92 | 11.32 | 5.71 | 15.00 | 85.95 | 100.95 |  | [1] |
| Guizhou | Dejiang | >600 | 108.093 | 28.264 | 855 | 30 | 2120 | 108.92 | 16.70 | 6.92 | 22.63 | 132.54 | 155.17 |  | [1] |
| Fujian | Anxi | 666 | 118.101 | 25.076 | 377 | 15 | 2801 | 33.20 | 18.72 | 5.04 | 9.35 | 56.96 | 66.31 | 2013 | [2] |
| Fujian | Jiangle | 400 | 117.083 | 26.417 | 456 | 5 | 2802 | 11.70 | 7.36 | 2.72 | 6.83 | 21.78 | 28.61 |  | [3] |
| Fujian | Xinkou | 400 | 117.567 | 26.150 | 170 | 25 | 1080 | 131.45 | 14.60 | 3.76 | 28.75 | 149.81 | 178.56 | 1993 | [4] |
| Guangdong | Zengcheng | 1200 | 113.708 | 23.217 | 250 | 31 | 906 | 95.85 | 12.70 | 8.52 | 23.36 | 117.07 | 140.43 | 1988 | [5] |
| Fujian | Anxi | 666 | 117.983 | 25.233 | 588 | 12 | 1680 | 33.20 | 15.72 | 5.34 | 9.45 | 54.26 | 63.71 | 2014 | [6] |
| Zhejiang | Linhai | 625 | 121.317 | 28.883 | 300 | 28 | 990 |  |  |  |  | 73.30 |  |  | [7] |
| Hunan | Liling | 667 | 113.544 | 27.737 | 150 | 16 | 2250 | 47.62 | 12.27 | 5.51 | 13.08 | 65.40 | 79.82 |  | [8] |
| Hunan | Liling | 667 | 113.544 | 27.737 | 150 | 16 | 2680 | 35.15 | 7.99 | 3.51 | 9.96 | 46.65 | 57.11 |  | [8] |
| Hunan | Liling | 667 | 113.544 | 27.737 | 150 | 16 | 3225 | 33.28 | 7.10 | 3.09 | 9.58 | 43.47 | 53.25 |  | [8] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 12 | 850 | 11.36 | 4.98 | 2.56 | 3.05 | 18.90 | 23.78 |  | [9] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 12 | 1750 | 24.79 | 7.63 | 4.15 | 6.60 | 36.57 | 46.84 |  | [9] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 12 | 2725 | 32.03 | 7.67 | 4.45 | 8.27 | 44.15 | 57.11 |  | [9] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 12 | 6425 | 50.23 | 10.82 | 5.82 | 12.89 | 66.87 | 86.90 |  | [9] |
| Guizhou | Longli Forest Farm |  | 106.983 | 26.450 | 1130 | 22 | 2730 | 94.96 | 15.96 | 5.78 | 15.12 | 116.70 | 131.83 |  | [10] |
| Guizhou | Longli Forest Farm |  | 106.983 | 26.450 | 1130 | 22 | 1035 | 190.27 | 26.39 | 8.87 | 26.19 | 225.53 | 251.73 |  | [10] |
| Guizhou | Longli Forest Farm |  | 106.983 | 26.450 | 1130 | 30 | 1365 | 123.56 | 22.18 | 6.50 | 21.50 | 152.24 | 173.73 |  | [10] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 8 | 6700 | 19.31 | 6.47 | 3.39 | 4.77 | 29.17 | 33.94 |  | [11] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 12 | 6425 | 59.90 | 11.35 | 6.24 | 12.46 | 77.49 | 89.94 |  | [11] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 18 | 4600 | 150.70 | 24.28 | 8.02 | 21.52 | 183.00 | 204.51 |  | [11] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 22 | 1830 | 165.88 | 25.82 | 8.01 | 24.01 | 199.71 | 223.71 |  | [11] |
| Guizhou | Longli Forest Farm | >600 | 106.983 | 26.450 | 1130 | 30 | 1140 | 174.68 | 24.98 | 7.90 | 26.56 | 207.56 | 234.12 |  | [11] |
| Fujian | Yongan | 666 | 117.050 | 25.550 | 650 | 7 | 3150 | 19.15 | 14.80 | 16.19 | 14.78 | 50.14 | 64.92 | 1999 | [12] |
| Anhui | Laojiashan Forest Farm |  | 118.417 | 32.450 | 200 | 22 | 960 | 76.50 | 16.80 | 4.23 | 23.07 | 97.54 | 120.60 |  | [13] |
| Guangxi | - | 100 | 111.750 | 24.433 | 210 | 15 |  | 78.65 | 16.80 | 6.23 | 11.90 | 101.68 | 113.59 | 2011 | [14] |
| Guangxi | - | 100 | 111.283 | 23.433 | 160 | 21 |  | 129.47 | 20.91 | 3.53 | 19.62 | 153.91 | 170.76 | 2011 | [14] |
| Guangxi | - | 100 | 107.117 | 22.017 | 440 | 32 |  | 137.67 | 22.37 | 3.58 | 20.83 | 163.61 | 182.44 | 2011 | [14] |
| Guangxi | - | 100 | 107.200 | 22.017 | 360 | 60 |  | 331.26 | 46.85 | 5.29 | 51.12 | 383.39 | 398.61 | 2011 | [14] |
| Fujian | Xinkou | 400 | 117.567 | 26.150 | 200 | 41 | 570 | 145.75 | 18.37 | 2.20 | 38.05 | 166.32 | 204.37 | 2000 | [15] |
| Hunan | Huitong | 500 | 109.634 | 26.789 | 300 | 20 | 1750 | 60.90 | 13.07 | 9.03 | 17.04 | 83.00 | 100.04 | 1980 | [16] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 17 |  | 67.37 | 12.11 | 4.79 |  | 84.27 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 28 |  | 110.18 | 5.07 | 5.07 |  | 120.32 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 58 |  | 243.56 | 22.19 | 2.45 |  | 268.20 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 84 |  | 233.30 | 24.18 | 2.78 |  | 260.26 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 29 |  | 104.22 | 12.08 | 9.60 |  | 125.90 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 28 |  | 98.04 | 19.43 | 3.87 |  | 121.34 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 27 |  | 116.12 | 15.68 | 3.48 |  | 135.28 |  |  | [17] |
| Hunan | Huitong |  | 109.634 | 26.789 | 300 | 28 |  | 108.11 | 21.74 | 6.54 |  | 136.39 |  |  | [17] |
| Sichuan | Cizhu Forest Farm |  | 106.771 | 29.841 | 700 | 20 |  | 17.82 | 6.42 | 3.43 | 5.73 | 27.67 | 33.40 |  | [17] |
| Guangdong | Guangzhou |  | 113.808 | 23.767 | 427 | 29 |  | 142.88 | 31.90 | 10.20 |  | 184.98 |  |  | [17] |
| Hubei | Dawu | 1600 | 114.317 | 31.583 | 172 | 18 | 3967 | 55.21 | 16.55 | 9.82 | 10.93 | 81.58 | 92.51 | 1987 | [18] |
| Hunan | Huitong | 400 | 109.892 | 26.875 | 520 | 35 | 1050 | 118.65 | 29.82 | 23.87 | 56.20 | 172.34 | 228.54 | 2010 | [19] |
| Fujian | Xiamen | 600 | 118.058 | 24.825 | 298 | 28 | 2505 | 66.15 | 8.75 | 5.87 | 16.11 | 80.77 | 96.88 |  | [20] |
| Hunan | Changsha | 400 | 113.207 | 28.353 | 140 | 32 | 1200 | 33.74 | 8.69 | 2.04 | 6.65 | 44.47 | 51.12 |  | [21] |
| Guangxi | Pingxiang | 100 | 106.867 | 22.050 | 570 | 29 | 442 | 112.40 | 41.98 | 18.48 | 37.23 | 172.86 | 210.09 | 2011 | [22] |
| Fujian | Youxi | 400 | 118.200 | 26.100 | 569 | 26 |  | 153.25 |  |  | 13.25 | 185.29 | 198.64 |  | [23] |
| Fujian | Youxi | 400 | 118.200 | 26.100 | 569 | 34 |  | 244.02 |  |  | 31.74 | 303.98 | 332.72 |  | [23] |
| Fujian | Youxi | 400 | 118.200 | 26.100 | 569 | 42 |  | 270.93 |  |  | 54.83 | 345.42 | 400.25 |  | [23] |
| Fujian | Shaowu | 400 | 117.442 | 27.350 | 400 | 5 | 3000 | 4.58 | 2.91 | 2.16 | 1.42 | 9.64 | 11.05 | 2001 | [24] |
| Fujian | Shaowu | 400 | 117.442 | 27.350 | 400 | 5 | 3000 | 2.94 | 2.12 | 1.74 | 1.04 | 6.80 | 7.84 | 2001 | [24] |
| Fujian | Shaowu | 400 | 117.442 | 27.350 | 400 | 5 | 3000 | 1.78 | 1.31 | 1.29 | 0.82 | 4.39 | 5.21 | 2001 | [24] |
| Fujian | Nan'an | 400 | 118.334 | 24.852 | 550 | 10 | 2505 | 20.53 | 11.46 | 10.81 | 14.17 | 42.80 | 56.97 | 2000 | [25] |
| Fujian | Yongchun | 900 | 117.933 | 25.517 | 600 | 34 | 2500 | 153.09 | 22.39 | 3.20 | 43.98 | 178.68 | 231.66 | 2016 | [26] |
| Jiangxi | Gaoan | 625 | 115.313 | 28.341 | 40 | 9 | 5502 | 4.69 |  |  | 0.64 | 9.02 | 9.66 | 1998 | [27] |
| Chongqing | Shizhu | 400 | 108.283 | 29.600 | 900 | 8 | 2138 |  |  |  |  | 15.40 |  | 2012 | [28] |
| Chongqing | Shizhu | 400 | 108.283 | 29.600 | 950 | 20 | 1763 |  |  |  |  | 83.47 |  | 2012 | [28] |
| Chongqing | Shizhu | 400 | 108.283 | 29.600 | 900 | 30 | 1138 |  |  |  |  | 142.71 |  | 2012 | [28] |
| Zhejiang | Jinhua, Lishui, Wenzhou, Taizhou | 400 | 120.417 | 28.553 | 378 | 20 | 1650 | 73.81 | 6.83 | 5.79 |  | 86.43 |  |  | [29] |
| Zhejiang | Jinhua, Lishui, Wenzhou, Taizhou | 400 | 120.417 | 28.553 | 378 | 22 | 1695 | 71.79 | 7.58 | 3.55 |  | 82.92 |  |  | [29] |
| Zhejiang | Jinhua, Lishui, Wenzhou, Taizhou | 400 | 120.417 | 28.553 | 378 | 20 | 1725 | 43.88 | 5.86 | 5.53 |  | 55.26 |  |  | [29] |
| Zhejiang | Jinhua, Lishui, Wenzhou, Taizhou | 400 | 120.417 | 28.553 | 378 | 17 | 2040 | 72.22 | 7.87 | 5.62 |  | 85.71 |  |  | [29] |
| Fujian | Liancheng | 665 | 117.114 | 25.601 | 1093 | 14 | 1230 |  |  |  |  |  | 113.00 | 2016 | [30] |
| Zhejiang | Lin'an | 400 | 119.700 | 30.233 | 25 | 14 | 2100 | 55.73 | 12.69 | 5.52 | 9.62 | 73.94 | 83.56 | 2009 | [31] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 427 | 5 | 3500 |  |  |  | 0.74 | 6.84 | 7.58 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 442 | 7 | 3100 |  |  |  | 1.56 | 14.39 | 15.95 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 427 | 9 | 3100 |  |  |  | 10.21 | 59.33 | 69.54 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 445 | 12 | 3100 |  |  |  | 8.47 | 78.11 | 86.59 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 553 | 15 | 1600 |  |  |  | 9.97 | 58.76 | 68.73 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 479 | 19 | 1800 |  |  |  | 16.38 | 81.90 | 98.28 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 382 | 29 | 1400 |  |  |  | 44.29 | 184.53 | 228.81 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 544 | 35 | 1400 |  |  |  | 44.93 | 187.21 | 232.14 | 2015 | [32] |
| Sichuan | Gao County | 400 | 104.550 | 28.583 | 400 | 42 | 1100 |  |  |  | 48.84 | 203.50 | 252.35 | 2015 | [32] |
| Fujian | Nanping | 400 | 118.125 | 26.592 | 64 | 7 | 2505 | 17.52 | 12.63 | 14.70 | 11.70 | 44.85 | 56.55 |  | [33] |
| Guizhou | Majiang | 400 | 107.651 | 26.471 | 700 | 23 | 850 | 142.71 | 8.20 | 2.05 |  | 152.96 |  |  | [34] |
| Hubei | Yichang | 670 | 111.018 | 30.852 | 220 | 12 | 6666 | 45.58 | 5.14 | 6.70 | 11.58 | 57.43 | 69.01 |  | [35] |
| Hubei | Yichang | 670 | 111.018 | 30.852 | 220 | 12 | 10000 | 31.03 | 3.28 | 3.90 | 8.49 | 38.20 | 46.69 |  | [35] |
| Fujian | Sanming | 600 | 117.549 | 26.167 | 465 | 22 | 1630 |  |  |  |  |  | 160.61 | 2006 | [36] |
| Fujian | Xianyou | 400 | 118.550 | 25.361 | 312 | 13 | 1604 | 39.17 | 19.50 | 6.17 | 13.45 | 64.84 | 78.29 | 2014 | [37] |
| Fujian | Youxi | 400 | 118.200 | 26.100 | 569 | 6 | 3225 | 21.59 | 7.95 | 7.88 | 9.93 | 37.42 | 47.35 | 1991 | [38] |
| Fujian | Yongchun | 400 | 117.933 | 25.517 | 620 | 40 | 758 | 72.28 | 14.80 | 9.08 | 22.64 | 96.16 | 118.79 |  | [39] |
| Fujian | Huanxi Forest Farm | 400 | 119.750 | 26.317 | 350 | 30 | 1725 | 49.20 | 5.10 | 2.30 |  | 56.60 |  |  | [40] |
| Fujian | Huanxi Forest Farm | 400 | 119.750 | 26.317 | 350 | 30 | 1250 | 119.50 | 18.60 | 9.10 |  | 147.20 |  |  | [40] |
| Fujian | Huanxi Forest Farm | 400 | 119.750 | 26.317 | 350 | 30 | 1150 | 148.30 | 27.20 | 12.80 |  | 188.30 |  |  | [40] |
| Fujian | Zhenghe | 400 | 119.014 | 27.152 | 860 | 4 | 2500 | 1.14 | 0.95 | 1.62 | 0.57 | 3.71 | 4.29 | 2012 | [41] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 8 | 8010 | 18.40 | 6.40 | 3.20 | 4.00 | 28.00 | 32.00 |  | [42] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 14 | 3000 | 70.80 | 16.80 | 7.20 | 13.20 | 94.80 | 108.00 |  | [42] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 23 | 1635 | 153.90 | 7.80 | 4.30 | 20.60 | 166.00 | 186.60 |  | [42] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 38 | 435 | 127.50 | 32.80 | 8.80 | 28.30 | 169.10 | 197.40 |  | [42] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 7 | 16020 | 36.80 | 14.40 | 6.40 | 9.60 | 57.60 | 67.20 |  | [43] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 14 | 2445 | 61.30 | 13.20 | 6.70 | 11.40 | 81.20 | 92.60 |  | [43] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 23 | 1725 | 125.20 | 14.70 | 2.80 | 17.10 | 142.70 | 159.80 |  | [43] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 38 | 435 | 130.80 | 33.70 | 9.00 | 29.10 | 173.50 | 202.60 |  | [43] |
| Guangxi | Cangwu | 600 | 111.244 | 23.735 | 600 | 55 | 240 | 343.14 | 32.32 | 6.10 | 87.08 | 381.56 | 468.64 |  | [44] |
| Guizhou | Longli Forest Farm | 400 | 106.967 | 26.558 | 1236 | 18 | 2242 | 66.31 | 18.06 | 7.05 | 11.95 | 91.42 | 103.37 |  | [45] |
| Guizhou | Longli Forest Farm | 400 | 106.967 | 26.558 | 1236 | 19 | 1217 | 80.81 | 36.28 | 10.14 | 13.22 | 127.23 | 140.45 |  | [45] |
| Guangxi | Mount Daqing | 400 | 106.700 | 22.167 | 141 | 6 | 2400 |  |  |  |  |  | 40.66 |  | [46] |
| Jiangxi | Taihe | 400 | 115.067 | 26.733 | 65 | 22 | 1980 | 53.15 | 15.99 | 5.02 | 20.77 | 74.16 | 94.93 | 2005 | [47] |
| Jiangxi | Ji'an | 400 | 115.070 | 26.747 | 100 | 19 | 1905 | 59.06 | 17.32 | 5.65 |  | 82.03 |  | 2005 | [48] |
| Guangxi | Mount Daqing | 400 | 106.876 | 22.033 | 545 | 25 | 1170 | 172.92 | 23.00 | 7.04 | 43.11 | 202.96 | 246.08 | 2008 | [49] |
| Guangxi | Mount Daqing | 400 | 106.876 | 22.033 | 545 | 25 | 2000 | 179.25 | 20.02 | 5.93 | 41.26 | 205.20 | 246.45 | 2008 | [49] |
| Guangxi | Mount Daqing | 400 | 106.876 | 22.033 | 545 | 25 | 2833 | 182.93 | 20.85 | 6.19 | 42.50 | 209.97 | 252.47 | 2008 | [49] |
| Guangxi | Mount Daqing | 400 | 106.876 | 22.033 | 545 | 25 | 3700 | 162.09 | 17.04 | 4.98 | 36.27 | 184.11 | 220.38 | 2008 | [49] |
| Hunan | Shuangpai | 667 | 111.517 | 25.967 | 400 | 8 | 4500 | 11.66 | 2.16 | 2.12 | 3.92 | 15.94 | 19.86 |  | [50] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 300 | 8 | 8010 | 18.10 | 6.09 | 3.20 | 4.41 | 27.39 | 31.80 |  | [50] |
| Jiangxi | Ji'an | 800 | 114.850 | 26.958 | 296 | 18 | 1500 | 25.06 | 4.16 | 3.34 | 6.32 | 32.56 | 38.88 |  | [51] |
| Jiangxi | Ji'an | 800 | 114.850 | 26.958 | 296 | 22 | 1463 | 36.38 | 6.77 | 4.19 | 8.98 | 47.34 | 56.32 |  | [51] |
| Jiangxi | Ji'an | 800 | 114.850 | 26.958 | 296 | 34 | 596 | 45.70 | 10.89 | 3.63 | 10.69 | 60.22 | 70.91 |  | [51] |
| Jiangxi | Ji'an | 800 | 114.850 | 26.958 | 296 | 45 | 642 | 54.25 | 12.81 | 4.32 | 12.71 | 71.38 | 84.09 |  | [51] |
| Jiangxi | Ji'an | 800 | 114.850 | 26.958 | 296 | 63 | 646 | 105.78 | 30.46 | 6.34 | 23.63 | 142.58 | 166.21 |  | [51] |
| Guangdong | Heshan |  | 112.833 | 22.667 | 103 | 14 | 900 | 70.31 | 22.70 | 10.73 | 5.03 | 103.74 | 108.47 |  | [52] |
| Guangdong | Dongshan Forest Farm |  | 112.500 | 22.133 | 250 | 16 | 1245 | 47.78 | 10.37 | 7.25 |  | 65.41 |  |  | [53] |
| Guangdong | Dongshan Forest Farm |  | 112.500 | 22.133 | 250 | 16 | 1020 | 40.83 | 7.57 | 5.71 | 9.75 | 54.12 | 63.87 |  | [53] |
| Fujian | Pucheng | 400 | 118.500 | 27.950 | 250 | 11 | 1600 | 33.41 | 8.96 | 2.71 |  | 45.08 |  | 1993 | [54] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 14 | 3210 | 72.50 | 18.70 | 7.50 | 13.30 | 98.70 | 112.00 | 1979 | [55] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 14 | 3990 | 73.20 | 13.70 | 8.20 | 14.60 | 95.10 | 109.70 | 1979 | [55] |
| Guangxi | Lufengshan Forest Farm | 667 | 109.667 | 23.750 | 85 | 14 | 4590 | 64.70 | 10.50 | 6.70 | 11.50 | 81.90 | 93.40 | 1979 | [55] |
| Fujian | Anxi | 666 | 117.817 | 24.924 | 452 | 15 | 1789 | 45.73 | 10.62 | 7.89 | 9.00 | 64.24 | 73.24 | 2011 | [56] |
| Fujian | Anxi | 666 | 118.025 | 25.049 | 486 | 16 | 1920 | 56.90 | 14.81 | 9.55 | 8.96 | 81.26 | 90.22 | 2011 | [57] |
| Guangxi | Qingyuan Forest Farm | 800 | 108.683 | 24.417 | 220 | 25 | 838 | 147.12 | 12.90 | 3.03 | 25.73 | 163.05 | 188.78 |  | [58] |
| Fujian | Shunchang | 400 | 117.867 | 26.933 | 406 | 16 | 500 | 54.46 | 10.67 | 6.96 |  | 72.09 |  | 2011 | [59] |
| Fujian | Shunchang | 400 | 117.867 | 26.933 | 406 | 16 | 512 | 43.27 | 9.52 | 5.83 |  | 58.62 |  | 2011 | [59] |
| Fujian | Shunchang | 400 | 117.867 | 26.933 | 406 | 16 | 536 | 35.64 | 8.18 | 5.05 |  | 48.87 |  | 2011 | [59] |
| Guizhou | Huishui | 400 | 106.738 | 25.985 | 1357 | 4 | 2000 | 4.77 | 1.24 | 1.42 | 1.20 | 7.43 | 8.62 | 2007 | [60] |
| Guizhou | Huishui | 400 | 106.738 | 25.985 | 1151 | 5 | 1925 | 8.35 | 2.32 | 2.59 | 2.14 | 13.26 | 15.40 | 2007 | [60] |
| Guizhou | Huishui | 400 | 106.738 | 25.985 | 1151 | 6 | 1725 | 13.20 | 3.81 | 4.20 | 3.40 | 21.21 | 24.61 | 2007 | [60] |
| Fujian | Jianou | 400 | 118.317 | 27.050 | 94 | 5 | 4075 | 11.30 | 5.42 | 4.74 | 4.41 | 21.46 | 25.87 | 1993 | [61] |
| Fujian | Jianou | 400 | 118.317 | 27.050 | 94 | 11 | 3525 | 42.05 | 10.80 | 6.80 | 11.40 | 59.65 | 71.05 | 1993 | [61] |
| Fujian | Jianou | 400 | 118.317 | 27.050 | 94 | 14 | 2500 | 61.88 | 11.04 | 6.47 | 13.97 | 79.39 | 92.90 | 1993 | [61] |
| Fujian | Jianou | 400 | 118.317 | 27.050 | 94 | 20 | 1450 | 107.86 | 11.90 | 5.08 | 18.49 | 124.84 | 143.33 | 1993 | [61] |
| Fujian | Jianou | 400 | 118.317 | 27.050 | 94 | 24 | 1025 | 167.32 | 14.67 | 5.04 | 25.14 | 187.03 | 212.17 | 1993 | [61] |
| Fujian | Jianou | 400 | 118.317 | 27.050 | 94 | 30 | 875 | 189.47 | 15.33 | 4.86 | 26.53 | 209.66 | 236.19 | 1993 | [61] |
| Hunan | Changsha | 666 | 113.067 | 28.267 | 100 | 13 | 2000 | 42.10 | 5.02 | 3.94 | 12.36 | 51.06 | 63.42 |  | [62] |
| Sichuan | Guangyuan | 100 | 105.870 | 32.161 | 750 | 25 | 4500 | 125.75 | 23.55 | 17.30 | 32.40 | 166.61 | 199.01 |  | [63] |
| Fujian | Fuzhou | 400 | 119.317 | 26.317 | 330 | 30 | 1725 | 46.20 | 4.40 | 1.90 | 14.30 | 52.50 | 66.80 | 1993 | [64] |
| Fujian | Fuzhou | 400 | 119.317 | 26.317 | 280 | 30 | 1250 | 111.80 | 14.10 | 4.80 | 36.60 | 130.70 | 167.30 | 1993 | [64] |
| Fujian | Fuzhou | 400 | 119.317 | 26.317 | 230 | 30 | 1150 | 134.60 | 18.00 | 5.90 | 44.60 | 158.50 | 203.10 | 1993 | [64] |
| Guangxi | Cenxi | 600 | 111.044 | 22.912 | 313 | 16 | 1515 | 63.45 | 18.73 | 4.45 | 13.59 | 86.63 | 100.22 | 2015 | [65] |
| Guizhou | Dushan | 900 | 107.484 | 25.713 | 1074 | 7 | 1187 | 4.32 | 1.52 | 1.32 | 1.15 | 7.16 | 8.31 | 2010 | [66] |
| Guizhou | Dushan | 900 | 107.484 | 25.713 | 1065 | 14 | 1103 | 26.09 | 6.75 | 3.94 | 7.10 | 36.78 | 43.88 | 2010 | [66] |
| Guizhou | Dushan | 900 | 107.484 | 25.713 | 1068 | 30 | 403 | 74.07 | 10.20 | 3.17 | 14.00 | 87.44 | 101.44 | 2010 | [66] |
| Fujian | Mount Wuyi | 900 | 117.976 | 27.769 | 635 | 21 | 865 | 62.28 | 13.28 | 4.41 | 9.76 | 79.97 | 89.72 |  | [67] |
| Fujian | Mount Wuyi | 900 | 117.976 | 27.769 | 635 | 33 | 838 | 83.96 | 16.03 | 5.52 | 13.27 | 105.51 | 118.79 |  | [67] |
| Fujian | Mount Wuyi | 900 | 117.976 | 27.769 | 635 | 42 | 813 | 150.30 | 22.80 | 8.25 | 20.57 | 181.35 | 201.93 |  | [67] |
| Fujian | Mount Wuyi | 900 | 117.976 | 27.769 | 635 | 60 | 798 | 187.24 | 24.78 | 9.58 | 25.85 | 221.60 | 247.45 |  | [67] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 10 |  | 55.08 | 7.02 | 3.07 | 12.46 | 65.17 | 77.63 |  | [68] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 20 |  | 65.03 | 9.93 | 2.94 | 13.58 | 77.90 | 91.48 |  | [68] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 24 |  | 69.64 | 9.70 | 3.50 | 15.19 | 82.84 | 98.03 |  | [68] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 28 |  | 53.19 | 7.42 | 2.68 | 23.12 | 63.29 | 86.41 |  | [68] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 33 |  | 98.61 | 16.87 | 3.84 | 19.33 | 119.32 | 138.65 |  | [68] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 40 |  | 86.04 | 14.92 | 3.30 | 16.74 | 104.26 | 121.00 |  | [68] |
| Anhui | Chuzhou | 400 | 118.183 | 32.533 | 35 | 49 |  | 140.11 | 25.37 | 5.05 | 26.54 | 170.53 | 197.07 |  | [68] |
| Fujian | Zhima Forest Farm | 400 | 117.183 | 27.467 | 295 | 9 | 3100 | 21.58 | 10.69 | 8.24 | 10.00 | 40.51 | 50.51 | 2014 | [69] |
| Fujian | Zhima Forest Farm | 400 | 117.183 | 27.467 | 295 | 9 | 3250 | 24.86 | 12.19 | 9.32 | 11.27 | 46.37 | 57.64 | 2014 | [69] |
| Fujian | Zhima Forest Farm | 400 | 117.183 | 27.467 | 295 | 9 | 3325 | 33.22 | 15.84 | 11.83 | 13.67 | 60.89 | 74.56 | 2014 | [69] |
| Jiangxi | Gaoyunshan Forest Farm | 667 | 115.452 | 25.185 | 400 | 28 | 2010 | 44.44 | 7.05 | 2.74 |  | 54.23 |  | 1992 | [70] |
| Jiangxi | Gaoyunshan Forest Farm | 667 | 115.452 | 25.185 | 400 | 24 | 1545 | 42.58 | 7.06 | 2.74 |  | 52.38 |  | 1992 | [70] |
| Chongqing | Xintian Forest Farm | 400 | 108.395 | 30.606 | 1080 | 43 | 1500 | 83.17 | 23.02 | 10.61 | 19.59 | 116.80 | 136.39 | 2011 | [71] |
| Chongqing | Xintian Forest Farm | 400 | 108.395 | 30.606 | 1080 | 43 | 1600 | 79.50 | 17.06 | 10.09 | 16.11 | 106.65 | 122.76 | 2011 | [71] |
| Chongqing | Xintian Forest Farm | 400 | 108.395 | 30.606 | 1080 | 43 | 1100 | 67.27 | 14.86 | 9.29 | 10.85 | 91.42 | 102.27 | 2011 | [71] |
| Chongqing | Xintian Forest Farm | 400 | 108.395 | 30.606 | 1080 | 43 | 1625 | 96.21 | 18.71 | 6.80 | 16.60 | 121.72 | 138.32 | 2011 | [71] |
| Guangxi | Sanmenjiang Forest Farm | 400 | 109.617 | 24.308 | 134 | 7 | 1518 |  |  |  |  |  | 40.80 |  | [72] |
| Guangxi | Sanmenjiang Forest Farm | 400 | 109.617 | 24.308 | 134 | 17 | 1091 |  |  |  |  |  | 221.70 |  | [72] |
| Guangxi | Sanmenjiang Forest Farm | 400 | 109.617 | 24.308 | 134 | 31 | 500 |  |  |  |  |  | 179.90 |  | [72] |
| Guangxi | Sanmenjiang Forest Farm | 400 | 109.617 | 24.308 | 134 | 51 | 325 |  |  |  |  |  | 419.30 |  | [72] |
| Guangxi | Cenxi | 665 | 110.708 | 22.917 | 350 | 25 | 1277 | 82.43 | 26.71 | 6.15 | 19.38 | 115.29 | 134.67 | 2010 | [73] |
| Guangdong | Fengkai | 1000 | 111.883 | 23.450 | 425 | 35 |  | 111.55 | 26.76 | 3.76 | 32.26 | 142.07 | 174.33 |  | [74] |
| Fujian | Ninghua | 1500 | 116.664 | 26.294 | 337 | 10 | 2725 | 19.44 | 2.43 | 1.10 | 4.43 | 22.97 | 27.41 | 2010 | [75] |
| Hunan | Xiangxiang | 665 | 112.258 | 27.820 | 400 | 16 |  | 39.28 | 2.34 | 1.33 | 21.85 | 42.95 | 64.80 |  | [76] |
| Hunan | Xiangxiang | 665 | 112.258 | 27.820 | 400 | 16 |  | 30.58 | 1.93 | 1.03 | 12.08 | 33.54 | 46.51 |  | [76] |
| Hunan | Xiangxiang | 665 | 112.258 | 27.820 | 400 | 16 |  | 29.33 | 1.70 | 0.32 | 11.70 | 31.35 | 42.99 |  | [76] |
| Anhui | Lingnan Forest Farm | 600 | 118.148 | 29.463 | 358 | 22 | 1450 |  |  |  |  |  | 151.51 |  | [77] |
| Anhui | Lingnan Forest Farm | 600 | 118.138 | 29.464 | 434 | 17 |  | 73.82 | 14.47 | 3.37 | 12.62 | 91.66 | 104.29 |  | [78] |
| Sichuan | Luchuan | 400 | 105.367 | 29.133 | 380 | 21 | 1245 |  |  |  |  |  | 80.29 |  | [79] |
| Sichuan | Luchuan | 400 | 105.367 | 29.133 | 380 | 21 | 1620 |  |  |  |  |  | 90.16 |  | [79] |
| Sichuan | Luchuan | 400 | 105.367 | 29.133 | 410 | 21 | 2070 |  |  |  |  |  | 101.24 |  | [79] |
| Guangxi | Luzhai | 400 | 109.866 | 24.521 | 217 | 41 | 400 | 148.03 | 36.89 | 6.96 | 31.61 | 191.88 | 223.49 |  | [80] |
| Guangxi | Luzhai | 400 | 109.866 | 24.521 | 217 | 17 | 1425 | 127.44 | 26.77 | 6.70 | 8.20 | 160.91 | 169.11 |  | [80] |
| Guangxi | Luzhai | 400 | 109.866 | 24.521 | 217 | 9 | 2925 | 78.35 | 13.25 | 5.69 | 4.50 | 97.29 | 101.79 |  | [80] |
| Guangxi | Longlin, Tianlin County | 400 | 105.845 | 24.547 | 534 | 4 | 2275 | 9.83 | 1.54 | 3.62 | 2.88 | 14.99 | 17.86 |  | [81] |
| Guangxi | Longlin, Tianlin County | 400 | 105.845 | 24.547 | 534 | 6 | 1000 | 16.89 | 3.89 | 4.54 | 4.70 | 25.32 | 30.03 |  | [81] |
| Guangxi | Longlin, Tianlin County | 400 | 105.845 | 24.547 | 534 | 8 | 1845 | 31.41 | 5.63 | 5.78 | 8.52 | 42.82 | 51.33 |  | [81] |
| Guangxi | Longlin, Tianlin County | 400 | 105.845 | 24.547 | 534 | 14 | 2775 | 76.83 | 13.07 | 6.48 | 18.56 | 96.38 | 114.95 |  | [81] |
| Guangxi | Longlin, Tianlin County | 400 | 105.845 | 24.547 | 534 | 16 | 4775 | 89.39 | 15.77 | 9.84 | 22.49 | 115.00 | 137.49 |  | [81] |
| Anhui | Mount Huangshan | 600 | 118.113 | 29.896 | 287 | 19 | 990 | 73.08 | 8.86 | 2.48 |  | 84.42 |  |  | [82] |
| Anhui | Mount Huangshan | 600 | 118.113 | 29.896 | 287 | 22 | 1860 | 86.55 | 6.97 | 3.95 |  | 97.47 |  |  | [82] |
| Anhui | Changshan Forest Farm | 700 | 118.519 | 32.563 | 180 | 23 | 990 | 66.81 | 10.92 | 6.59 |  | 84.32 |  |  | [83] |
| Anhui | Changshan Forest Farm | 700 | 118.519 | 32.563 | 140 | 23 | 1560 | 46.49 | 6.16 | 1.28 |  | 53.93 |  |  | [83] |
| Anhui | Guandian Forest Farm | 700 | 118.185 | 32.636 | 100 | 29 | 1380 | 76.37 | 9.58 | 1.99 |  | 87.94 |  |  | [83] |
| Anhui | Guandian Forest Farm | 700 | 118.185 | 32.636 | 100 | 21 | 1425 | 45.26 | 10.14 | 3.11 |  | 58.51 |  |  | [83] |
| Anhui | Guandian Forest Farm | 700 | 118.185 | 32.636 | 120 | 19 | 1755 | 73.33 | 5.56 | 2.67 |  | 81.57 |  |  | [83] |
| Anhui | Shaheji Forest Farm | 700 | 118.269 | 32.416 | 100 | 29 | 1155 | 71.62 | 2.94 | 2.71 |  | 77.27 |  |  | [83] |
| Chongqing | Tieshanping Forest Farm | 900 | 106.683 | 29.633 | 567 | 46 | 1120 | 98.67 | 14.29 | 2.92 | 11.85 | 115.88 | 127.73 | 2004 | [84] |
| Guangxi | Pingxiang | 400 | 106.867 | 22.050 | 545 | 50 | 575 | 188.37 | 19.54 | 2.38 | 31.33 | 210.29 | 241.62 | 2009 | [85] |
| Guangxi | Pingxiang | 400 | 106.992 | 21.963 | 350 | 28 | 1142 | 124.28 | 14.34 | 4.30 | 28.85 | 142.92 | 171.77 | 2011 | [86] |
| Fujian | Sha County | 660 | 117.817 | 26.267 | 225 | 23 | 1200 |  |  |  |  |  | 196.14 |  | [87] |
| Fujian | Sha County | 660 | 117.817 | 26.267 | 225 | 23 | 2430 |  |  |  |  |  | 301.97 |  | [87] |

Note: PS, plot size; LONG, longitude; LAT, latitude; ELE, elevation; MY, measurement year; REF, reference. The underlined latitude and longitude were obtained from Google Earth according to site name.

Data References

Note: Almost papers are in Chinese with English abstract. We label “In English” if a paper is fully written in English.

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