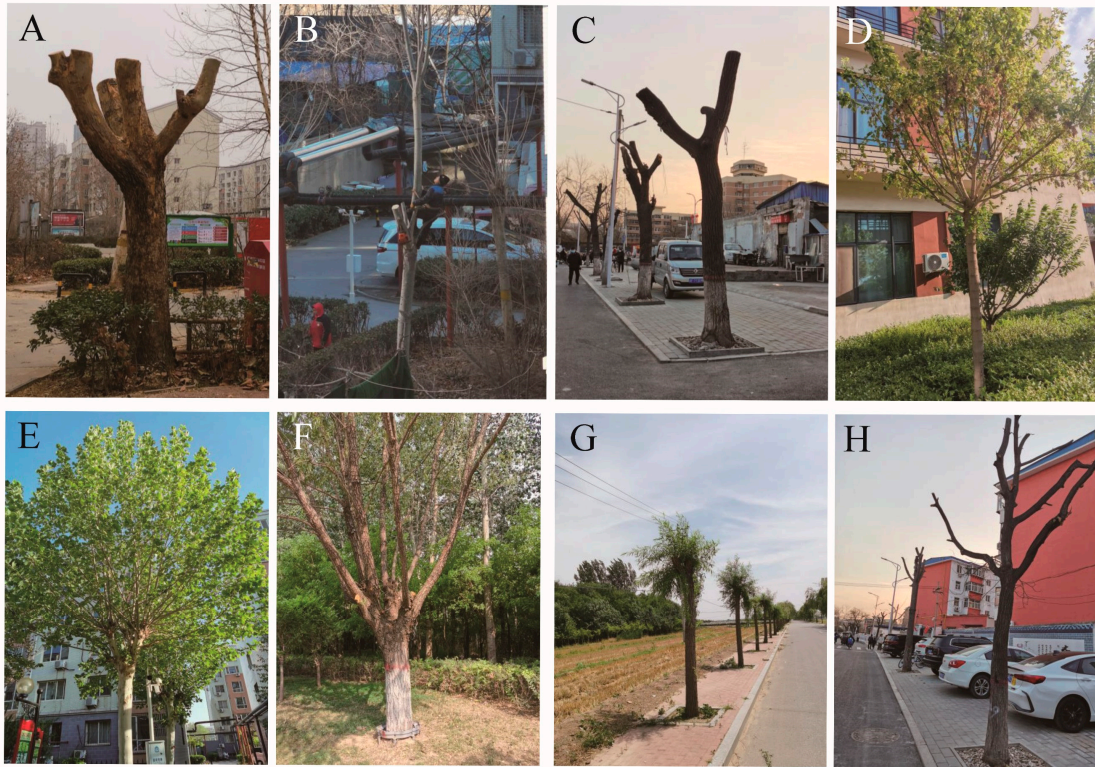


## Supplementary Materials:



**Figure S1.** Different tree species managed by high trunk truncation in China. A: Pruned crown of *Platanus orientalis*. B: Pruned crown of *Poplar*. C: Pruned crown of Willow. D: *A. negundo* 3 years after high trunk truncation. E: *Platanus orientalis* after high trunk truncation in the summer of the current year. F: *S. babylonica* 7 years after high trunk truncation. G: *S. babylonica* were managed by high trunk truncation in the Mancheng. H: Pruned crown of *Sophora japonica*.

**Table S1. The bark thickness of different diameter of *S. babylonica***

Diameter						
Sample		0.5 cm	1 cm	2 cm	3 cm	4 cm
1		0.71	0.86	1.43	2.43	3.13
2		0.75	0.82	1.29	2.33	2.87
3		0.64	0.89	1.35	2.16	3.07
4		0.68	0.77	1.14	2.07	3.13
5		0.57	1.06	1.52	2.24	3.23
6		0.72	1	1.17	2.63	3.32
7		0.58	0.75	1.33	2.38	3.38
8		0.89	0.7	1.1	2.32	3.22
9		0.6	0.96	1.26	2.64	3.29
10		0.73	0.86	1.28	2.7	2.97
11		0.68	0.89	1.12	2.23	3.15
12		0.58	0.76	1.11	2.68	2.99
13		0.57	0.75	1.25	2.31	2.84
14		0.64	0.78	1.55	2.36	2.98
15		0.55	1.03	1.31	2.41	3
16		0.51	0.98	1.21	2.37	3.11
17		0.57	0.95	1.48	2.31	3.24
18		0.61	0.79	1.46	2.33	3.04
19		0.6	0.88	1.24	2.35	3.1
20		0.69	0.85	1.32	2.11	2.96