

Table S1. List of 85 riverside parks in blue-green space.

District	Name of park	Type of park	River system	Score
Chaoyang District	Olympic Forest Park	Comprehensive parks	North Canal River System	4.86
Chaoyang District	Chaoyang Park	Comprehensive parks	North Canal River System	4.86
Chaoyang District	Beijing Wenyu River Park	Comprehensive parks	North Canal River System	4.89
Chaoyang District	Jiangfu Park	Comprehensive parks	North Canal River System	4.89
Chaoyang District	Red Scarf Park	Comprehensive parks	North Canal River System	4.83
Chaoyang District	Majiawan Wetland Park	Ecological parks	North Canal River System	4.90
Chaoyang District	Qingfeng Park	Comprehensive parks	North Canal River System	4.85
Chaoyang District	Side Park	Comprehensive parks	North Canal River System	4.87
Chaoyang District	Jintian Park	Ecological parks	North Canal River System	4.75
Chaoyang District	Dongba Qianmu Lake Park	Specific parks	North Canal River System	4.79
Chaoyang District	Bahe Changqing Garden	Community parks	North Canal River System	4.80
Chaoyang District	Jiangtai Riverside Park	Specific parks	North Canal River System	4.29
Chaoyang District	Pingfang Park	Comprehensive parks	North Canal River System	4.69
Dongcheng District	Longtan Park	Comprehensive parks	North Canal River System	4.85
Xicheng District	Beijing Zoo	Historical parks	North Canal River System	4.83
Xicheng District	Beihai Park	Historical parks	North Canal River System	4.84
Xicheng District	Shichahai Park	Historical parks	North Canal River System	4.74
Xicheng District	Taoranting Park	Historical parks	North Canal River System	4.85
Xicheng District	Xihai Park	Specific parks	North Canal River System	4.89
Xicheng District	Houhai Park	Historical parks	North Canal River System	4.66
Xicheng District	Lotus River Park	Community parks	North Canal River System	4.80
Haidian District	The Summer Palace	Historical parks	North Canal River System	4.79
Haidian District	Yuyuantan Park	Historical parks	North Canal River System	4.84
Haidian District	Yuanmingyuan Relic Park	Historical parks	North Canal River System	4.84

Haidian District	The Black Bamboo Park	Historical parks	North Canal River System	4.83
Haidian District	Haidian Park	Comprehensive parks	North Canal River System	4.83
Haidian District	Daoxiang Lake Natural Wetland Park	Ecological parks	North Canal River System	4.77
Haidian District	Cuihu Wetland Park	Specific parks	North Canal River System	4.75
Haidian District	South River Park	Community parks	North Canal River System	4.81
Haidian District	Tayuan City Forest Park	Specific parks	North Canal River System	4.80
Tongzhou District	Grand Canal Forest Park	Ecological parks	North Canal River System	4.89
Tongzhou District	Dongjiao Wetland Park	Ecological parks	North Canal River System	4.90
Tongzhou District	Dongjiao Forest Park	Ecological parks	North Canal River System	4.80
Tongzhou District	Tongzhou Canal Park	Ecological parks	North Canal River System	4.82
Tongzhou District	City Green Heart Forest Park	Comprehensive parks	North Canal River System	4.90
Tongzhou District	Xihaizi Park	Specific parks	North Canal River System	4.85
Tongzhou District	Taihu Park	Ecological parks	North Canal River System	4.90
Tongzhou District	Business Fujin Park	Comprehensive parks	North Canal River System	4.50
Tongzhou District	Wenyu Riverside Forest Park	Specific parks	North Canal River System	4.18
Daxing District	Nanhaizi Park	Comprehensive parks	North Canal River System	4.89
Daxing District	Yizhuang New Town Riverside Forest Park	Ecological parks	North Canal River System	4.90
Daxing District	Tongming Lake Park	Community parks	North Canal River System	4.90
Daxing District	Wangxing Lake Country Park	Specific parks	North Canal River System	4.85
Daxing District	Kangzhuang Park	Comprehensive parks	North Canal River System	4.77
Daxing District	Bihai Park	Specific parks	North Canal River System	4.71
Daxing District	New West Fengqu Wetland Park	Specific parks	North Canal River System	4.70
Daxing District	Xihongmen Starlight Ecological Culture Leisure Park	Comprehensive parks	North Canal River System	4.77

Daxing District	Daxing Ecological Civilization Education Park	Specific parks	North Canal River System	4.81
Fengtai District	Lotus Pond Park	Historical parks	North Canal River System	4.84
Fengtai District	Nanyuan Forest Wetland Park	Ecological parks	North Canal River System	4.80
Fengtai District	Fuhai Park	Gardens	North Canal River System	4.15
Changping District	Changping New City Riverside Forest Park	Ecological parks	North Canal River System	4.89
Changping District	Future Science City Waterfront Park	Ecological parks	North Canal River System	4.86
Changping District	Wenyu River Baigezhuang Ecological Wetland Park	Ecological parks	North Canal River System	4.78
Haidian District	Pingzhuang Country Park	Specific parks	Yongding River System	3.92
Fengtai District	Beijing Garden Expo Park	Specific parks	Yongding River System	4.74
Fengtai District	Green dam Park	Specific parks	Yongding River System	4.77
Daxing District	Beijing Wild Animal Park	Specific parks	Yongding River System	4.83
Daxing District	Niantan Park	Comprehensive parks	Yongding River System	4.87
Daxing District	Langfa Urban Forest Park	Specific parks	Yongding River System	4.70
Shijingshan District	Shougang Park	Specific parks	Yongding River System	4.89
Shijingshan District	Yongding River Leisure Forest Park	Ecological parks	Yongding River System	4.78
Shijingshan District	Beijing Winter Olympic Park	Comprehensive parks	Yongding River System	4.79
Shijingshan District	Lianshi Lake Park	Ecological parks	Yongding River System	4.28
Shijingshan District	Shijingshan Sculpture Park	Specific parks	Yongding River System	4.28
Mentougou District	Yongding River Park	Comprehensive parks	Yongding River System	4.78
Mentougou District	Mencheng Lake Park	Specific parks	Yongding River System	4.81
Mentougou District	Jinglang Island Park	Specific parks	Yongding River System	4.77
Mentougou District	Sanjiadian Pucao Wetland Park	Ecological parks	Yongding River System	4.60
Mentougou District	Riverside Century Square Park	Comprehensive parks	Yongding River System	4.71

Mentougou District	Jingxi Eighteen Pools	Nature parks	Yongding River System	3.95
Mentougou District	Pearl lake	Nature parks	Yongding River System	3.96
Yanqing District	Yeyahu National Wetland Park	Nature parks	Yongding River System	4.72
Fangshan District	Shidu Scenic Area	Nature parks	Daqing River System	4.74
Fangshan District	Changyang Park	Comprehensive parks	Daqing River System	4.87
Fangshan District	Niukouyu Wetland Park	Ecological parks	Daqing River System	4.89
Fangshan District	Liuli River Wetland Park	Ecological parks	Daqing River System	4.23
Fengtai District	Qinglonghu Park	Ecological parks	Daqing River System	4.49
Shunyi District	Hanshiqiao Wetland Park	Ecological parks	Chaobai River System	4.28
Shunyi District	Shunyi Olympic Water Park	Specific parks	Chaobai River System	4.75
Shunyi District	Chaobai River Cross-country Park	Ecological parks	Chaobai River System	4.76
Pinggu District	Beijing Jinhai Lake Scenic Area	Nature parks	Jiyun River System	4.64
Pinggu District	Pinggu Wetland Park	Ecological parks	Jiyun River System	4.79
Pinggu District	Xiaolong River Park	Nature parks	Jiyun River System	4.71
Pinggu District	Pinggu New Town Riverside Forest Park	Ecological parks	Jiyun River System	4.60

Table S2. IPA list of riverside parks beside different river systems based on landscape design.

Indicators	Parks beside the North		Parks beside the		Parks beside the Daqing		Parks beside the Chaobai		Parks beside the Jiyun	
	Canal River System		Yongding River System		River System		River System		River System	
	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.
A1	0.081	0.727	0.068	0.710	0.124	0.575	0.094	0.757	0.125	0.607
A2	0.081	0.730	0.035	0.661	0.034	0.647	0.053	0.726	0.036	0.563
A3	0.122	0.673	0.145	0.732	0.047	0.614	0.049	0.696	0.030	0.529

A4	0.135	0.720	0.105	0.628	0.240	0.539	0.164	0.660	0.224	0.530
A5	0.112	0.785	0.040	0.679	0.014	0.570	0.005	0.632	0.021	0.558
B1	0.006	0.541	0.002	0.554	0.001	0.444	0.001	0.539	0.001	0.333
B2	0.046	0.694	0.017	0.622	0.076	0.564	0.090	0.750	0.125	0.561
B3	0.047	0.727	0.038	0.694	0.062	0.599	0.044	0.685	0.032	0.545
B4	0.040	0.731	0.027	0.634	0.018	0.652	0.055	0.682	0.011	0.601
C1	0.073	0.745	0.146	0.707	0.079	0.563	0.063	0.632	0.088	0.543
C2	0.047	0.687	0.066	0.615	0.077	0.496	0.090	0.665	0.061	0.481
C3	0.009	0.715	0.023	0.762	0.009	0.554	0.011	0.593	0.012	0.564
C4	0.010	0.704	0.021	0.661	0.013	0.464	0.018	0.607	0.011	0.528
D1	0.080	0.672	0.073	0.657	0.097	0.483	0.117	0.650	0.103	0.412
D2	0.069	0.698	0.135	0.644	0.070	0.476	0.097	0.627	0.092	0.415
D3	0.037	0.703	0.052	0.682	0.039	0.502	0.047	0.661	0.029	0.501
D4	0.005	0.746	0.007	0.730	0.001	0.559	0.003	0.723	0.001	0.444

Table S3. IPA list of riverside parks beside different river systems based on sensory perception.

Indicators	Parks beside the North		Parks beside the Yongding		Parks beside the Daqing		Parks beside the Chaobai		Parks beside the Jiyun	
	Canal River System		River System		River System		River System		River System	
	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.
E1	0.220	0.757	0.142	0.672	0.037	0.599	0.037	0.617	0.065	0.567
E2	0.136	0.732	0.054	0.657	0.066	0.586	0.017	0.704	0.072	0.563
E3	0.259	0.724	0.244	0.604	0.454	0.514	0.550	0.621	0.552	0.533
E4	0.184	0.682	0.125	0.661	0.123	0.525	0.059	0.665	0.049	0.559
E5	0.018	0.638	0.036	0.610	0.025	0.456	0.025	0.628	0.019	0.396
E6	0.009	0.698	0.017	0.627	0.056	0.680	0.008	0.680	0.015	0.537

F1	0.022	0.683	0.011	0.686	0.016	0.542	0.023	0.690	0.010	0.619
F2	0.006	0.792	0.034	0.874	0.001	0.692	0.002	0.833	0.006	0.587
F3	0.002	0.784	0.002	0.732	0.006	0.516	0.001	0.750	0.001	0.563
F4	0.001	0.709	0.001	0.626	0.002	0.511	0.001	0.500	0.002	0.500
F5	0.003	0.667	0.004	0.643	0.003	0.508	0.002	0.600	0.002	0.433
G1	0.040	0.754	0.042	0.659	0.090	0.516	0.058	0.750	0.059	0.640
G2	0.006	0.776	0.004	0.753	0.003	0.702	0.003	0.700	0.002	0.619
H1	0.039	0.751	0.044	0.583	0.045	0.537	0.101	0.551	0.058	0.528
H2	0.008	0.775	0.004	0.703	0.004	0.573	0.008	0.792	0.003	0.579
H3	0.001	0.668	0.002	0.596	0.004	0.528	0.001	0.500	0.001	0.375
H4	0.001	0.744	0.001	0.712	0.002	0.475	0.002	0.400	0.002	0.563
H5	0.018	0.718	0.167	0.758	0.016	0.614	0.003	0.333	0.008	0.607
H6	0.001	0.724	0.001	0.768	0.001	0.500	0.001	0.500	0.000	0.500
L1	0.027	0.728	0.065	0.664	0.046	0.496	0.099	0.682	0.073	0.591

Table S4. Multiple comparison analysis of landscape design indicators of riverside parks beside different river systems.

I	J	A5		B3		C2		C4		D2	
		Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.
a (Parks beside the North Canal River System)	b	0.1405*	0.0210	0.1116*	0.0090	0.1172*	0.0190	0.0695	0.3830	0.1278*	0.0060
	c	0.0825	0.4330	0.1081	0.1430	0.1269	0.1410	-0.0427	0.7590	0.1413	0.0770
	d	0.0836	0.5310	0.0029	0.9750	0.0157	0.8850	-0.0286	0.8710	-0.0095	0.9240
	e	0.3114*	0.0090	0.2318*	0.0050	0.0990	0.2990	0.3734*	0.0170	0.1862*	0.0360
	a	-0.1405*	0.0210	-0.1116*	0.0090	-0.1172*	0.0190	-0.0695	0.3830	-0.1278*	0.0060
	b	-0.0580	0.6080	-0.0035	0.9650	0.0097	0.9160	-0.1122	0.4540	0.0135	0.8730

b (Parks beside the Yongding River System)	d	-0.0569	0.6840	-0.1087	0.2660	-0.1015	0.3740	-0.0981	0.5960	-0.1373	0.1930
	e	0.1709	0.1690	0.1203	0.1660	-0.0182	0.8570	0.3039	0.0670	0.0584	0.5300
c (Parks beside the Daqing River System)	a	-0.0825	0.4330	-0.1081	0.1430	-0.1269	0.1410	0.0427	0.7590	-0.1413	0.0770
	b	0.0580	0.6080	0.0035	0.9650	-0.0097	0.9160	0.1122	0.4540	-0.0135	0.8730
	d	0.0011	0.9950	-0.1052	0.3590	-0.1112	0.4070	0.0141	0.9480	-0.1508	0.2240
	e	0.2289	0.1320	0.1237	0.2410	-0.0279	0.8210	0.4162*	0.0400	0.0449	0.6920
d (Parks beside the Chaobai River System)	a	-0.0836	0.5310	-0.0029	0.9750	-0.0157	0.8850	0.0286	0.8710	0.0095	0.9240
	b	0.0569	0.6840	0.1087	0.2660	0.1015	0.3740	0.0981	0.5960	0.1373	0.1930
	c	-0.0011	0.9950	0.1052	0.3590	0.1112	0.4070	-0.0141	0.9480	0.1508	0.2240
	e	0.2278	0.1870	0.2289	0.0590	0.0833	0.5520	0.4021	0.0800	0.1957	0.1320

*a(Parks beside the North Canal River System); b(Parks beside the Yongding River System); c(Parks beside the Daqing River System); d(Parks beside the Chaobai River System); e(Parks beside the Jiyun River System).

Table S5. Multiple comparison analysis of sensory perception indicators of riverside parks beside different river systems.

I	J	E1		E4		E5		G2		H3	
		Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.
a (Parks beside the North Canal River System)	b	0.1034*	0.0443	0.1219*	0.0058	0.1644*	0.0281	0.2204*	0.0106	0.2590*	0.0072
	c	0.0575	0.5185	0.1301	0.0879	0.1099	0.3963	-0.0674	0.6491	0.0017	0.9915
	d	0.1784	0.1168	0.1459	0.1307	-0.0613	0.7088	0.0112	0.9523	0.3402	0.1071
	e	0.3138*	0.0020	0.1164	0.1669	0.0197	0.8904	0.1601	0.3305	0.4131*	0.0262
b (Parks beside the Yongding River System)	a	-0.1034*	0.0443	-0.1219*	0.0058	-0.1644*	0.0281	-0.2204*	0.0106	-0.2590*	0.0072
	b	-0.0459	0.6318	0.0082	0.9193	-0.0546	0.6947	-0.2878	0.0733	-0.2573	0.1496
	d	0.0750	0.5262	0.0240	0.8108	-0.2257	0.1912	-0.2092	0.2892	0.0811	0.7115
	e	0.2104*	0.0471	-0.0054	0.9513	-0.1447	0.3427	-0.0603	0.7291	0.1540	0.4285

c (Parks beside the Daqing River System)	a	-0.0575	0.5185	-0.1301	0.0879	-0.1099	0.3963	0.0674	0.6491	-0.0017	0.9915
	b	0.0459	0.6318	-0.0082	0.9193	0.0546	0.6947	0.2878	0.0733	0.2573	0.1496
	d	0.1209	0.3854	0.0158	0.8935	-0.1711	0.3977	0.0786	0.7339	0.3384	0.1916
	e	0.2563*	0.0473	-0.0137	0.8997	-0.0901	0.6272	0.2275	0.2858	0.4113	0.0852
d (Parks beside the Chaobai River System)	a	-0.1784	0.1168	-0.1459	0.1307	0.0613	0.7088	-0.0112	0.9523	-0.3402	0.1071
	b	-0.0750	0.5262	-0.0240	0.8108	0.2257	0.1912	0.2092	0.2892	-0.0811	0.7115
	c	-0.1209	0.3854	-0.0158	0.8935	0.1711	0.3977	-0.0786	0.7339	-0.3384	0.1916
	e	0.1354	0.3527	-0.0295	0.8113	0.0810	0.7014	0.1489	0.5386	0.0729	0.7868

*a(Parks beside the North Canal River System); b(Parks beside the Yongding River System); c(Parks beside the Daqing River System); d(Parks beside the Chaobai River System); e(Parks beside the Jiyun River System).

Table S6. IPA list of riverside parks in different types based on landscape design.

Indicators	Comprehensive Parks		Community Parks		Historical Parks		Specific Parks		Gardens		Ecological Parks		Nature Parks	
	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.
A1	0.093	0.736	0.082	0.754	0.069	0.728	0.062	0.737	0.117	0.467	0.103	0.688	0.138	0.598
A2	0.077	0.757	0.085	0.711	0.084	0.723	0.037	0.687	0.097	0.480	0.059	0.678	0.030	0.576
A3	0.053	0.727	0.054	0.744	0.167	0.661	0.152	0.733	0.117	0.367	0.045	0.676	0.088	0.725
A4	0.135	0.691	0.216	0.701	0.128	0.742	0.083	0.665	0.206	0.453	0.197	0.611	0.210	0.551
A5	0.020	0.690	0.021	0.690	0.171	0.790	0.049	0.695	0.051	0.308	0.013	0.685	0.017	0.579
B1	0.016	0.502	0.001	0.556	0.003	0.629	0.003	0.551	0.000	0.000	0.001	0.607	0.000	0.643
B2	0.068	0.704	0.013	0.796	0.028	0.661	0.012	0.654	0.008	1.000	0.086	0.699	0.077	0.555
B3	0.069	0.726	0.066	0.733	0.035	0.729	0.036	0.712	0.074	0.263	0.050	0.675	0.054	0.629
B4	0.088	0.744	0.121	0.740	0.016	0.698	0.019	0.638	0.047	0.500	0.046	0.694	0.033	0.626
C1	0.080	0.731	0.063	0.691	0.069	0.760	0.156	0.717	0.097	0.480	0.073	0.656	0.090	0.584

C2	0.079	0.679	0.101	0.767	0.023	0.705	0.062	0.630	0.019	0.200	0.105	0.629	0.049	0.494
C3	0.008	0.665	0.008	0.603	0.009	0.760	0.025	0.779	0.000	0.000	0.015	0.602	0.009	0.617
C4	0.009	0.715	0.005	0.781	0.011	0.705	0.023	0.666	0.008	0.000	0.009	0.607	0.012	0.520
D1	0.098	0.682	0.059	0.759	0.074	0.663	0.071	0.670	0.051	0.308	0.087	0.634	0.082	0.458
D2	0.058	0.652	0.048	0.718	0.078	0.715	0.146	0.650	0.074	0.421	0.062	0.619	0.083	0.483
D3	0.045	0.668	0.054	0.747	0.031	0.737	0.056	0.690	0.031	0.000	0.047	0.628	0.024	0.535
D4	0.003	0.682	0.004	0.821	0.006	0.765	0.009	0.734	0.004	0.000	0.002	0.685	0.001	0.565

Table S7. IPA list of riverside parks in different types based on sensory perception.

Indicators	Comprehensive Parks		Community Parks		Historical Parks		Specific Parks		Gardens		Ecological Parks		Nature Parks	
	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.
E1	0.107	0.647	0.074	0.667	0.277	0.774	0.173	0.681	0.134	0.350	0.054	0.661	0.045	0.702
E2	0.163	0.769	0.144	0.712	0.129	0.715	0.060	0.694	0.114	0.529	0.092	0.675	0.048	0.580
E3	0.321	0.697	0.444	0.706	0.216	0.742	0.206	0.665	0.315	0.447	0.459	0.632	0.448	0.495
E4	0.113	0.750	0.105	0.746	0.220	0.667	0.098	0.716	0.195	0.379	0.102	0.635	0.182	0.577
E5	0.022	0.651	0.007	0.625	0.017	0.622	0.039	0.617	0.013	0.000	0.020	0.622	0.020	0.459
E6	0.020	0.685	0.041	0.721	0.002	0.746	0.012	0.660	0.013	0.500	0.028	0.632	0.053	0.671
F1	0.022	0.636	0.021	0.732	0.022	0.696	0.014	0.707	0.034	0.600	0.021	0.647	0.009	0.633
F2	0.001	0.746	0.001	0.333	0.009	0.795	0.041	0.874	0.000	0.000	0.001	0.692	0.003	0.596
F3	0.003	0.795	0.003	0.909	0.002	0.787	0.002	0.765	0.000	0.000	0.003	0.703	0.006	0.565
F4	0.002	0.664	0.002	0.857	0.000	0.746	0.001	0.673	0.007	0.000	0.002	0.591	0.002	0.621
F5	0.003	0.666	0.005	0.625	0.003	0.666	0.004	0.658	0.000	0.000	0.004	0.608	0.004	0.563
G1	0.070	0.773	0.055	0.766	0.026	0.741	0.037	0.713	0.067	0.400	0.073	0.671	0.065	0.521
G2	0.007	0.782	0.007	0.652	0.005	0.774	0.004	0.754	0.007	1.000	0.005	0.750	0.002	0.692

H1	0.062	0.731	0.060	0.787	0.030	0.768	0.041	0.653	0.013	0.000	0.047	0.640	0.052	0.430
H2	0.005	0.749	0.007	0.636	0.008	0.780	0.004	0.750	0.034	0.800	0.006	0.714	0.003	0.630
H3	0.001	0.576	0.005	0.471	0.001	0.685	0.002	0.616	0.000	0.000	0.004	0.651	0.000	0.500
H4	0.001	0.739	0.001	0.800	0.000	0.788	0.001	0.674	0.000	0.000	0.001	0.614	0.002	0.516
H5	0.026	0.735	0.003	0.889	0.015	0.699	0.195	0.762	0.040	0.333	0.017	0.704	0.011	0.531
H6	0.001	0.845	0.001	0.333	0.001	0.726	0.002	0.793	0.000	0.000	0.000	0.367	0.000	0.462
L1	0.050	0.730	0.014	0.750	0.017	0.714	0.067	0.671	0.013	0.000	0.062	0.669	0.045	0.592

Table S8. Multiple comparison analysis of landscape design indicators of riverside parks in different types.

I	J	A2		A3		A5		D1		D2	
		Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.
f (Com- prehe- nsive Parks)	g	0.0264	0.7200	0.0032	0.9650	-0.0089	1.0000	-0.0324	0.6990	-0.1115	0.2140
	h	-0.0242	0.6430	-0.0365	0.4840	-0.0555	0.9190	-0.0135	0.8200	-0.1135	0.0750
	i	0.1272*	0.0040	0.1598*	0.0000	0.2169	0.0550	0.0547	0.2600	0.0691	0.1820
	j	0.1004*	0.0160	0.0993*	0.0160	0.1501*	0.0450	0.0204	0.6590	0.0295	0.5500
	k	0.0535	0.3930	0.0690	0.2710	0.3964	0.3560	0.2323*	0.0020	0.2312*	0.0030
g (Com- munity Parks)	f	-0.0264	0.7200	-0.0032	0.9650	0.0089	1.0000	0.0324	0.6990	0.1115	0.2140
	h	-0.0506	0.5250	-0.0397	0.6180	-0.0466	0.8490	0.0189	0.8350	-0.0020	0.9830
	i	0.1007	0.1740	0.1566*	0.0360	0.2259*	0.0280	0.0871	0.3000	0.1805*	0.0460
	j	0.0739	0.3100	0.0961	0.1880	0.1591*	0.0080	0.0528	0.5230	0.1410	0.1120
	k	0.0271	0.7550	0.0658	0.4490	0.4053	0.3410	0.2647*	0.0090	0.3426*	0.0020
h	f	0.0242	0.6430	0.0365	0.4840	0.0555	0.9190	0.0135	0.8200	0.1135	0.0750
	g	0.0506	0.5250	0.0397	0.6180	0.0466	0.8490	-0.0189	0.8350	0.0020	0.9830
	i	0.1514*	0.0050	0.1962*	0.0000	0.2724*	0.0070	0.0682	0.2520	0.1826*	0.0050

(Historical Parks)	j	0.1246*	0.0160	0.1358*	0.0090	0.2056*	0.0020	0.0339	0.5560	0.1430*	0.0220
	k	0.0777	0.2650	0.1055	0.1310	0.4519	0.2360	0.2458*	0.0030	0.3447*	0.0000
i (Specific Parks)	f	-0.1272*	0.0040	-0.1598*	0.0000	-0.2169	0.0550	-0.0547	0.2600	-0.0691	0.1820
	g	-0.1007	0.1740	-0.1566*	0.0360	-0.2259*	0.0280	-0.0871	0.3000	-0.1805*	0.0460
	h	-0.1514*	0.0050	-0.1962*	0.0000	-0.2724*	0.0070	-0.0682	0.2520	-0.1826*	0.0050
	j	-0.0268	0.5110	-0.0605	0.1400	-0.0668	0.9990	-0.0343	0.4600	-0.0395	0.4230
	k	-0.0737	0.2410	-0.0908	0.1490	0.1795	0.9880	0.1776*	0.0140	0.1621*	0.0350
j (Ecological Parks)	f	-0.1004*	0.0160	-0.0993*	0.0160	-0.1501*	0.0450	-0.0204	0.6590	-0.0295	0.5500
	g	-0.0739	0.3100	-0.0961	0.1880	-0.1591*	0.0080	-0.0528	0.5230	-0.1410	0.1120
	h	-0.1246*	0.0160	-0.1358*	0.0090	-0.2056*	0.0020	-0.0339	0.5560	-0.1430*	0.0220
	i	0.0268	0.5110	0.0605	0.1400	0.0668	0.9990	0.0343	0.4600	0.0395	0.4230
	k	-0.0469	0.4460	-0.0303	0.6210	0.2463	0.8630	0.2119*	0.0030	0.2016*	0.0080

*f(Comprehensive Parks); g(Community Parks); h(Historical Parks); i(Specific Parks); j(Ecological Parks); k(Nature Parks).

Table S9. Multiple comparison analysis of sensory perception indicators of riverside parks in different types.

I	J	E1		E3		E4		G1		H1	
		Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.
f (Comprehensive Parks)	g	0.0002	1.0000	-0.0284	0.7040	0.0166	0.8360	-0.0012	0.9900	-0.1144	0.0660
	h	-0.0745	0.6330	-0.0813	0.1260	-0.0149	0.7930	-0.0331	0.6170	-0.0559	0.8550
	i	0.1285	0.3350	0.0605	0.1630	0.1680*	0.0010	0.1011	0.0640	0.0989	0.9210
	j	0.1081	0.2250	0.0532	0.2000	0.1186*	0.0090	0.0770	0.1390	0.0655	0.9360
g	k	0.2373	0.9690	0.2147*	0.0010	0.2731*	0.0000	0.2544*	0.0020	0.2204	0.8210
	f	-0.0002	1.0000	0.0284	0.7040	-0.0166	0.8360	0.0012	0.9900	0.1144	0.0660

(Community Parks)	h	-0.0747	0.8750	-0.0530	0.5120	-0.0316	0.7170	-0.0319	0.7520	0.0585	0.6030
	i	0.1283	0.4950	0.0888	0.2360	0.1514	0.0630	0.1023	0.2760	0.2132*	0.0450
	j	0.1078	0.5110	0.0816	0.2700	0.1019	0.2020	0.0781	0.3980	0.1799*	0.0030
	k	0.2371	0.9700	0.2431*	0.0070	0.2564*	0.0080	0.2556*	0.0230	0.3348	0.3660
h (Historical Parks)	f	0.0745	0.6330	0.0813	0.1260	0.0149	0.7930	0.0331	0.6170	0.0559	0.8550
	g	0.0747	0.8750	0.0530	0.5120	0.0316	0.7170	0.0319	0.7520	-0.0585	0.6030
	i	0.2030*	0.0220	0.1418*	0.0090	0.1829*	0.0020	0.1342*	0.0450	0.1548	0.3020
	j	0.1825*	0.0070	0.1345*	0.0100	0.1335*	0.0180	0.1100	0.0900	0.1214	0.0800
i (Specific Parks)	k	0.3118	0.8380	0.2960*	0.0000	0.2880*	0.0000	0.2875*	0.0020	0.2763	0.5820
	f	-0.1285	0.3350	-0.0605	0.1630	-0.1680*	0.0010	-0.1011	0.0640	-0.0989	0.9210
	g	-0.1283	0.4950	-0.0888	0.2360	-0.1514	0.0630	-0.1023	0.2760	-0.2132*	0.0450
	h	-0.2030*	0.0220	-0.1418*	0.0090	-0.1829*	0.0020	-0.1342*	0.0450	-0.1548	0.3020
j (Ecological Parks)	j	-0.0205	1.0000	-0.0073	0.8600	-0.0494	0.2690	-0.0242	0.6410	-0.0333	1.0000
	k	0.1088	1.0000	0.1542*	0.0170	0.1051	0.1280	0.1533	0.0570	0.1215	0.9990
	f	-0.1081	0.2250	-0.0532	0.2000	-0.1186*	0.0090	-0.0770	0.1390	-0.0655	0.9360
	g	-0.1078	0.5110	-0.0816	0.2700	-0.1019	0.2020	-0.0781	0.3980	-0.1799*	0.0030
k	h	-0.1825*	0.0070	-0.1345*	0.0100	-0.1335*	0.0180	-0.1100	0.0900	-0.1214	0.0800
	i	0.0205	1.0000	0.0073	0.8600	0.0494	0.2690	0.0242	0.6410	0.0333	1.0000
	k	0.1293	1.0000	0.1615*	0.0110	0.1545*	0.0240	0.1774*	0.0250	0.1549	0.9820

*f(Comprehensive Parks); g(Community Parks); h(Historical Parks); i(Specific Parks); j(Ecological Parks); k(Nature Parks).

Table S10. IPA list of riverside parks in different districts based on landscape design.

Indicators	Parks in Six Central Districts		Parks in Districts of the Inner Suburbs		Parks in Districts of the Outer Suburbs	
	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.
A1	0.078	0.718	0.080	0.725	0.122	0.624

A2	0.078	0.726	0.048	0.708	0.036	0.577
A3	0.122	0.667	0.125	0.732	0.100	0.734
A4	0.135	0.709	0.118	0.645	0.202	0.565
A5	0.124	0.777	0.015	0.704	0.015	0.570
B1	0.007	0.533	0.001	0.690	0.000	0.452
B2	0.038	0.675	0.048	0.702	0.081	0.564
B3	0.047	0.715	0.040	0.717	0.044	0.630
B4	0.037	0.721	0.033	0.701	0.039	0.621
C1	0.075	0.732	0.127	0.719	0.085	0.590
C2	0.042	0.655	0.083	0.668	0.054	0.503
C3	0.009	0.703	0.022	0.757	0.010	0.610
C4	0.012	0.676	0.015	0.691	0.011	0.551
D1	0.078	0.657	0.085	0.680	0.086	0.464
D2	0.076	0.674	0.107	0.672	0.087	0.491
D3	0.037	0.688	0.050	0.698	0.026	0.537
D4	0.006	0.721	0.004	0.806	0.001	0.580

Table S11. IPA list of riverside parks in different districts based on sensory perception.

Indicators	Parks in Six Central Districts		Parks in Districts of the Inner Suburbs		Parks in Districts of the Outer Suburbs	
	Imp.	Sat.	Imp.	Sat.	Imp.	Sat.
E1	0.242	0.748	0.052	0.707	0.044	0.582
E2	0.130	0.729	0.071	0.701	0.059	0.587
E3	0.248	0.711	0.318	0.658	0.435	0.562
E4	0.184	0.677	0.104	0.695	0.208	0.580
E5	0.018	0.620	0.036	0.631	0.016	0.467

E6	0.007	0.682	0.025	0.678	0.033	0.614
F1	0.022	0.681	0.015	0.665	0.008	0.647
F2	0.006	0.784	0.032	0.881	0.003	0.549
F3	0.002	0.782	0.003	0.679	0.004	0.636
F4	0.001	0.689	0.001	0.582	0.002	0.636
F5	0.003	0.658	0.004	0.634	0.004	0.586
G1	0.037	0.739	0.058	0.696	0.055	0.650
G2	0.006	0.771	0.005	0.763	0.001	0.700
H1	0.038	0.733	0.043	0.694	0.055	0.590
H2	0.007	0.770	0.005	0.749	0.003	0.632
H3	0.001	0.627	0.002	0.655	0.000	0.444
H4	0.001	0.751	0.001	0.613	0.001	0.641
H5	0.015	0.706	0.160	0.761	0.013	0.554
H6	0.001	0.738	0.001	0.733	0.000	0.500
L1	0.028	0.692	0.064	0.712	0.056	0.589

Table S12. Multiple comparison analysis of landscape design indicators of riverside parks in different districts.

I	J	B3		C4	
		Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.
l (Parks in Six Central Districts)	m	0.0191	0.6039	0.0131	0.8442
	n	0.1577*	0.0450	0.2949*	0.0391
m (Parks in Districts of the Inner Suburbs)	l	-0.0191	0.6039	-0.0131	0.8442
	n	0.1387	0.0789	0.2818*	0.0497

*l(Parks in Six Central Districts); m(Parks in Districts of the Inner Suburbs); n(Parks in Districts of the Outer Suburbs).

Table S13. Multiple comparison analysis of sensory perception indicators of riverside parks in different districts.

I	J	E2		F1		H3	
		Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.	Mean Dif. (I-J)	Sig.
l (Parks in Six Central Districts)	m	0.0477	0.4868	0.1028*	0.0423	0.0759	0.7428
	n	0.0717*	0.0215	0.1484	0.1622	0.3998*	0.0057
m (Parks in Districts of the Inner Suburbs)	l	-0.0477	0.4868	-0.0103*	0.0423	-0.0759	0.7428
	n	0.0240	0.8764	0.0457	0.6672	0.3239*	0.0206

*l(Parks in Six Central Districts): m(Parks in Districts of the Inner Suburbs): n(Parks in Districts of the Outer Suburbs).