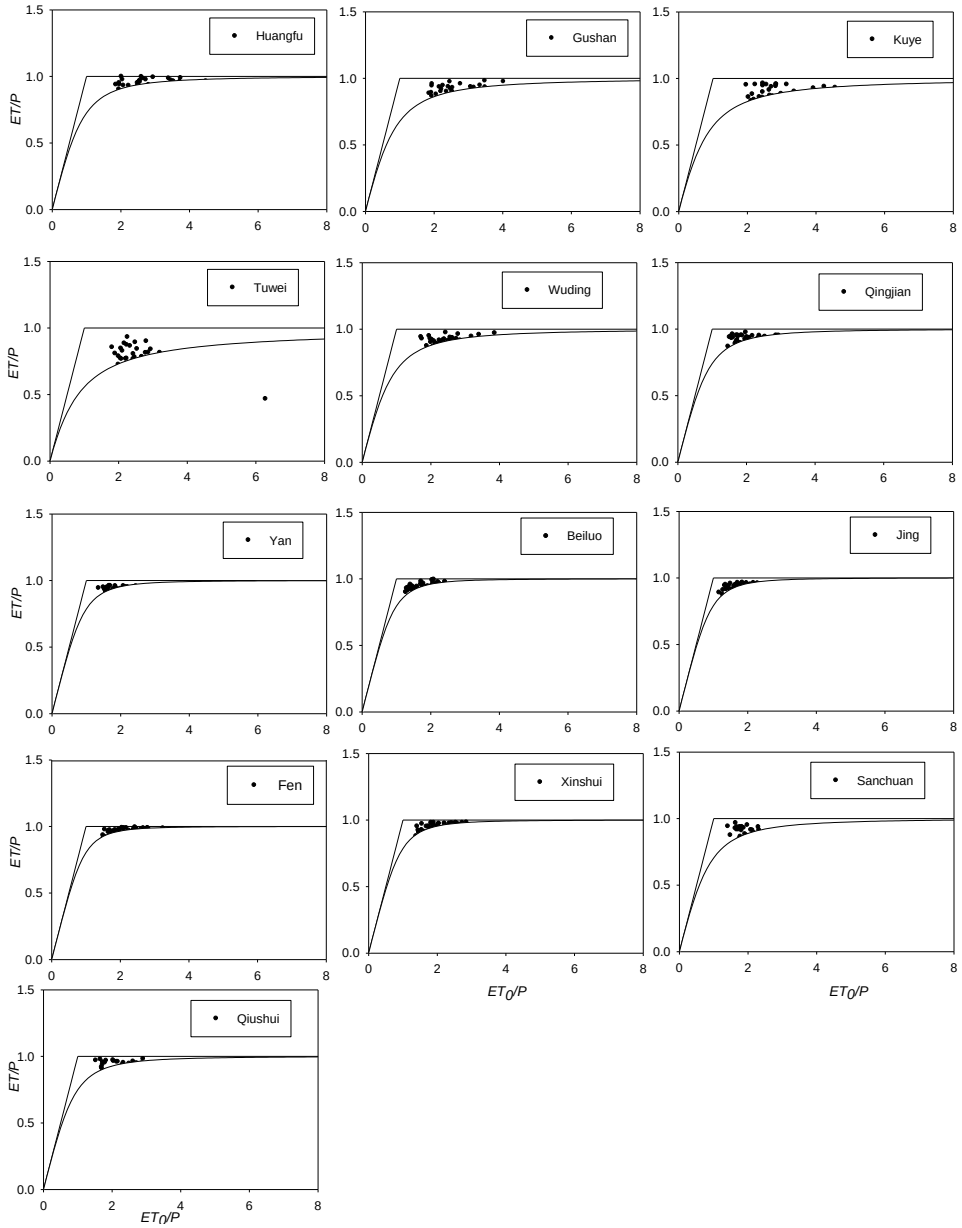

Figure S1. The functional relationship between the annual evapotranspiration ratio (ET/P) and dryness index (ET_0/P) in 13 basins.

Table S1. Trend analysis for the hydrometeorological variables and vegetation coverage[b].

ID	Basin	Period	ET,mm yr^{-2}	ET_0,mm yr^{-2}	P,mm yr^{-2}	M	S
1	Huangfu	1981-2011	1.89	1.16	0.61	0.002*	0.001
2	Gushan	1981-2005	1.28	1.99	0.45	0.003**	0.009
3	Kuye	1981-2012	2.34*	2.04*	0.53	0.004**	0.006
4	Tuwei	1981-2012	1.87	2.33**	0.53	0.005**	0.006
5	Wuding	1981-2012	0.88	1.17	0.31	0.006**	0.004
6	Qingjian	1981-2012	-0.45	1.78*	-0.94	0.007**	0.006
7	Yan	1981-2010	-1.62	2.03*	-1.99	0.005**	0.006
8	Beiluo	1981-2001	-5.4*	4.6*	-6.2*	0.0001	0.017
9	Jing	1981-2012	-0.97	1.47*	-1.79	0.002**	0.001
10	Fen	1981-2009	-0.72	1.93*	-1.16	0.002*	0.003
11	Xinshui	1981-2010	0.33	1.80	-0.12	0.003**	0.005
12	Sanchuan	1981-2004	1.49	1.84	0.09	-0.0004	0.004
13	Qiushui	1981-1999	-0.50	1.79	-0.83	0.002	0.008

[b]* and ** indicate the trend is significant at the level of p = 0.05 and p = 0.01 by the Mann–Kendall test, respectively.