

**Table S1**

Pearson correlation coefficients of migration factor of heavy metals with physicochemical properties of soil and *R. pulchrum*.

Item	pH	SOM	CEC	Chlorophyll	Leaf Biomass	Stem Biomass	Root Biomass	BCF-Cu	BCF-Zn	BCF-Pb	BCF-Cd	BCF-Ni	TF-Cu	TF-Zn	TF-Pb	TF-Cd	TF-Ni
pH, $n=36$	1	○0.289	●-0.837	○0.213	○0.235	○-0.292	●-0.384	●0.403	○0.327	○-0.076	○-0.066	○0.082	○0.268	○-0.286	○0.279	○0.205	●-0.552
SOM, $n=36$		1	●-0.369	○0.048	○0.068	○-0.056	○-0.210	○-0.144	○-0.302	●-0.412	○-0.330	○-0.085	○0.082	○0.057	○0.136	○-0.065	○-0.145
CEC, $n=36$			1	○-0.258	○-0.172	○0.082	○0.243	●-0.392	●-0.432	○0.169	○0.103	○0.089	○-0.171	●0.373	○-0.142	○-0.120	●0.401
Chlorophyll, $n=36$				1	○-0.124	○-0.172	●-0.373	○0.179	○-0.116	●-0.426	●-0.384	○-0.313	○0.125	○0.021	○0.243	○0.234	○0.159
Leaf Biomass, $n=36$					1	●0.451	●0.429	○0.043	●0.414	●0.407	○0.328	●0.448	○-0.271	○-0.325	○-0.134	○-0.178	○-0.256
Stem Biomass, $n=36$						1	●0.730	○-0.242	○0.076	○-0.060	○-0.048	○-0.103	○-0.039	○0.217	○-0.028	○-0.197	●0.451
Root Biomass, $n=36$							1	○0.205	●0.477	●0.374	●0.451	●0.382	●-0.428	○-0.136	○-0.307	●-0.511	○0.222
BCF-Cu, $n=27$								1	●0.435	○0.154	○0.279	●0.440	●-0.434	●-0.602	○-0.305	●-0.422	●-0.538
BCF-Zn, $n=27$									1	●0.669	●0.554	●0.457	●-0.790	●-0.921	●-0.730	●-0.603	●-0.427
BCF-Pb, $n=27$										1	●0.832	●0.694	●-0.703	●-0.667	●-0.786	●-0.457	●-0.439
BCF-Cd, $n=27$											1	●0.794	●-0.631	●-0.603	●-0.581	●-0.627	●-0.559
BCF-Ni, $n=27$												1	●-0.742	●-0.593	●-0.648	●-0.631	●-0.782
TF-Cu, $n=36$													1	●0.700	●0.801	●0.586	○0.137
TF-Zn, $n=36$														1	●0.586	●0.368	●0.578
TF-Pb, $n=36$															1	○0.304	○0.084
TF-Cd, $n=36$																1	○0.091
TF-Ni, $n=36$																	1

●, ● means significant at  $p < 0.05$  and  $p < 0.01$ (two-tailed), respectively; ○ means not significant.

Table S2

Pearson correlation coefficients of migration factors of heavy metals with physicochemical properties of soil and *L. rubrum*.

Item	pH	SOM	CEC	Chlorophyll	Leaf Biomass	Stem Biomass	Root Biomass	BCF-Cu	BCF-Zn	BCF-Pb	BCF-Cd	BCF-Ni	TF-Cu	TF-Zn	TF-Pb	TF-Cd	TF-Ni
pH, <i>n</i> =36	1	-0.079	○-0.021	○0.092	○-0.154	○0.039	○-0.204	○-0.065	○0.024	○-0.120	○-0.299	○-0.223	○-0.163	○-0.095	○0.185	○0.234	●-0.438
SOM, <i>n</i> =36		1	○-0.236	○-0.069	●0.356	○-0.220	●0.360	○0.380	●0.457	○0.142	○0.233	○0.164	○-0.016	●-0.348	○-0.105	●-0.359	○-0.176
CEC, <i>n</i> =36			1	○0.028	●0.423	○0.057	○0.072	●-0.845	●-0.908	○-0.191	○0.033	●-0.413	●-0.344	○-0.157	●-0.559	●0.378	○-0.197
Chlorophyll, <i>n</i> =36				1	○0.033	○0.173	○0.057	●0.495	●0.442	●0.470	○-0.085	●0.448	●-0.492	●-0.386	○-0.110	○0.279	○0.031
Leaf Biomass, <i>n</i> =36					1	○0.215	●0.719	○0.118	○0.093	○0.241	○0.117	○0.178	●-0.336	●-0.613	●-0.580	○0.025	●-0.455
Stem Biomass, <i>n</i> =36						1	●0.360	○0.053	○0.023	○0.239	○0.275	●0.521	○-0.018	○-0.009	○0.247	○-0.129	○-0.072
Root Biomass, <i>n</i> =36							1	○0.225	○0.296	○0.301	○0.183	○0.338	○-0.101	●-0.417	○-0.292	○-0.013	●-0.467
BCF-Cu, <i>n</i> =27								1	●0.951	●0.476	○0.076	●0.562	●-0.874	●-0.751	○0.066	●-0.402	○0.069
BCF-Zn, <i>n</i> =27									1	●0.434	○0.042	●0.526	●-0.752	●-0.783	○0.074	○-0.321	○-0.033
BCF-Pb, <i>n</i> =27										1	○0.224	●0.683	○-0.262	○-0.326	○0.064	○-0.228	○-0.366
BCF-Cd, <i>n</i> =27											1	○0.330	○0.127	○-0.049	○0.174	●-0.506	○-0.054
BCF-Ni, <i>n</i> =27												1	○-0.363	●-0.440	○0.323	●-0.434	○-0.340
TF-Cu, <i>n</i> =36													1	●0.841	●0.581	○-0.071	○-0.023
TF-Zn, <i>n</i> =36														1	●0.637	○0.014	○0.235
TF-Pb, <i>n</i> =36															1	○-0.280	●0.419
TF-Cd, <i>n</i> =36																1	○-0.051
TF-Ni, <i>n</i> =36																	1

●, ● means significant at  $p < 0.05$  and  $0.01$ (two-tailed), respectively; ○ means not significant.

**Figure S1.** Root-shoot biomass ratio of *L. rubrum* and *R. pulchrum* before and after IAA treatments. The letter in the same column of the same plant indicate significant differences among the treatments,  $p < 0.05$ .

