Table S3.
Fitting parameters of the pseudo-first-order, pseudo-second-order kinetics, and Weber–Morris kinetic adsorption models

pH	Adsorbents	Pseudo-first-order			Pseudo-second-order			Weber–Morris kinetic								
		K_1 (/h)	q_e (mg P/g)	R^2	K_2 (g/mg P/h)	q_e (mg P/g)	R^2	K_{p1} (g·mg^{-1} min$^{1/2}$)	C_1 (mg P/g)	R_1^2	K_{P2} (g·mg^{-1} min$^{1/2}$)	C_2 (mg P/g)	R_2^2	K_{P3} (g·mg^{-1} min$^{1/2}$)	C_3 (mg P/g)	R_3^2
3	LMO	0.072	50.33	0.97	0.786	8.28	0.99	−0.91	8.69	0.98	31.12	1.53	0.93	53.18	-0.01	0.95
	CLMO	0.062	77.57	0.92	0.96	9.303	0.98	4.39	10.21	0.97	45.21	2.49	0.92	78.33	0.21	0.99
	CaO-LMO	0.04	32.62	0.89	0.12	16.98	0.96	2.80	3.02	0.95	15.62	1.15	1	32.81	0.12	0.97
7	LMO	0.11	12.18	0.93	1.47	2.94	0.95	0.08	2.91	0.98	−3.02	2.88	1	—	—	—
	CLMO	0.03	32.37	0.85	0.08	20.8	0.92	3.42	2.40	0.91	24.16	0.53	1	43.37	-0.34	1
	CaO-LMO	59.28	0.07	0.99	0.74	9.24	0.99	3.09	7.39	0.95	50.35	0.69	0.83	59.39	0.06	0.97
10	LMO	0.13	8.19	0.91	1.29	2.58	0.93	0.68	1.45	0.88	7.69	0.04	0.84	7.29	0.05	0.91
	CLMO	0.015	35.52	0.97	0.014	52.93	0.98	1.35	1.78	0.89	1.22	2.24	0.89	31.94	0.16	0.94
	CaO-LMO	0.08	77.84	0.98	2.76	5.5	0.99	1.04	12.72	0.96	56.28	2.09	0.94	76.75	0.15	0.99