

Table S2.

Fitting parameters of the Langmuir, Freundlich, and Dubinin–Radushkevich isothermal adsorption models

pH	Adsorbents	Langmuir			Freundlich			Dubinin–Radushkevich			
		q_m (mg P/g)	K_L (L/mg P)	R^2	K_F (mg P/g)	$1/n$	R^2	q_{DR} (mmol/g)	K_{DR} (mmol ² /kJ ²)	E (kJ/mol)	R^2
3	LMO	53.05	0.119	0.91	12.43	0.08	0.71	45.33	5,297.6	9.72	0.95
	CLMO	86.54	0.06	0.96	12.05	0.08	0.83	66.79	7,434.5	8.20	0.96
	CaO-LMO	37.69	0.189	0.92	12.18	0.08	0.66	33.05	2,657.0	13.72	0.96
7	LMO	14.66	0.36	0.91	6.70	0.18	0.48	13.33	2,005.5	15.79	0.93
	CLMO	37.15	0.08	0.95	6.75	0.36	0.85	29.91	7,074.2	8.41	0.86
	CaO-LMO	61.83	0.117	0.96	12.97	0.35	0.91	44.68	2,483.7	14.19	0.76
10	LMO	9.14	0.60	0.79	4.48	0.2	0.84	7.64	2,155.2	15.23	0.54
	CLMO	39.34	0.28	0.97	11.28	0.34	0.90	30.76	2,471.1	14.22	0.89
	CaO-LMO	83.20	0.15	0.98	11.28	0.42	0.93	59.26	1,988.6	15.86	0.91