

# Using a Two-Stage Scheme to Map Toxic Metal Distributions Based on GF-5 Satellite Hyperspectral Images at a Northern Chinese Opencast Coal Mine

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## supplementary materials

Table S1. Accuracy evaluation of different spectra pretreatment methods

Element	Method	$R_c^2$	$RMSE_c$ (mg/kg)	$MAE_c$ (mg/kg)	$R_v^2$	$RMSE_v$ (mg/kg)	$MAE_v$ (mg/kg)
Zn	CWT	0.6603	12.7190	9.9406	0.2003	22.1691	17.4324
	SG+CWT	0.8380	12.4158	9.3794	<b>0.4258</b>	15.4994	12.7899
Ni	CWT	0.8060	2.5396	1.8127	0.2220	5.2382	3.8892
	SG+CWT	0.8984	2.3595	1.7939	<b>0.2600</b>	4.9493	3.6779

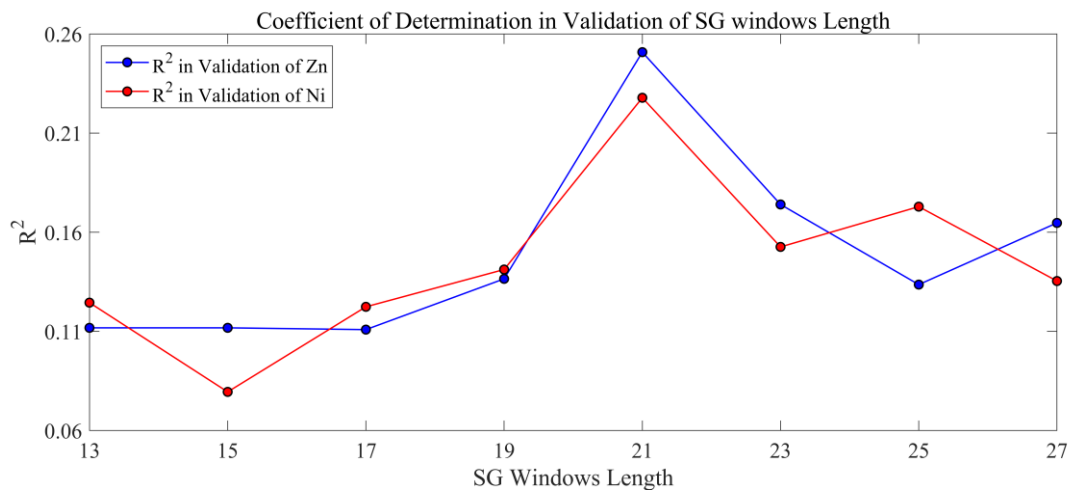


Figure S1. Testing diagram of SG Window Length