

Supporting information

Electrochemical deposition of nickel graphene composite coatings: Effect of deposition temperature on its surface morphology and corrosion resistance

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Table S1- Scherrer's equation parameters of composite coatings obtained at different temperatures.

Bath temperature (°C)	Θ	hkl plane	FWHM	Average D (nm)
15	21.93	(111)	0.2197	26
	25.95	(200)	0.3271	
	37.89	(220)	0.1987	
30	21.95	(111)	0.2879	25
	25.98	(200)	0.3468	
	38.26	(220)	0.4758	
45	22.17	(111)	0.2298	19
	25.74	(200)	0.3973	
	38.32	(220)	0.5246	
60	22.35	(111)	0.2938	28
	26.43	(200)	0.3862	
	38.52	(220)	0.4265	

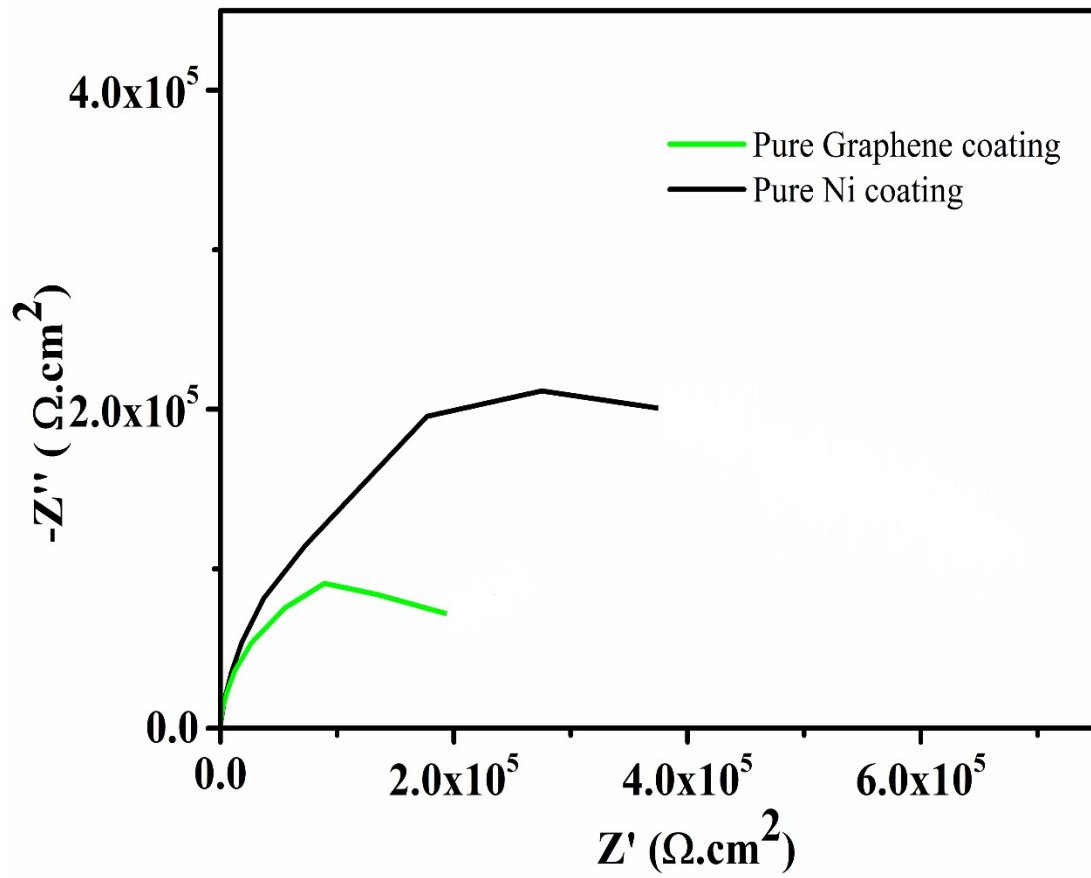


Fig.S1. Effect of deposition temperature on the impedance spectra of pure Ni and pure graphene coatings in 3.5% NaCl solution.

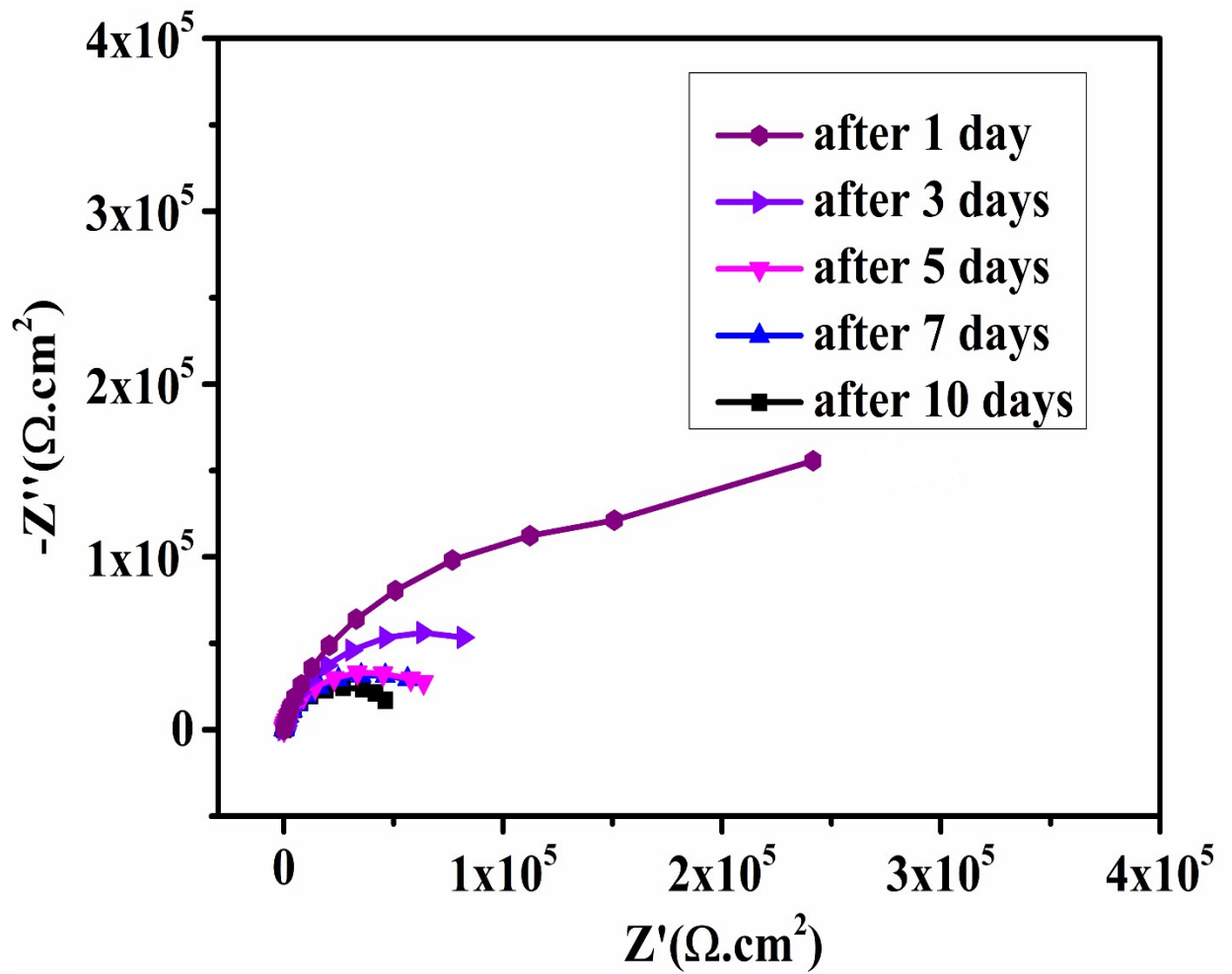


Fig.S2. Effect of deposition temperature on the impedance spectra of composite coatings at different immersion time (1, 3, 5, 7 and 10 days) in 3.5% NaCl solution.