Supporting Document

Epoxy-matrix polyaniline/p-phenylenediamine-functionalised graphene oxide coatings with dual anti-fouling and anti-corrosion performance

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Table S1. A comparsion between the best peromance coating of present study and other related coatings.

NO.	Type of coating	Resistance of pure epoxy coating after a definite time of immersion ($\Omega.cm^2$)	Highest resistance of composite coating after a definite time of immersion ($\Omega.cm^2$)	Ref.
1	Epoxy/PANI-ZnO(EPZ)-4wt.% ZnO	2.98×10^4 (30 days)	2.56×10^9 (30 days)	40
2	E/SiO_2-GO	10^4(28 days)	10^8 (28 days)	41
3	2wt.% TiO_2 -GO/epoxy	52×10^3(90 h)	61.4×10^3 (90h)	42
4	2 wt.% GO-Al_2O_3/epoxy	53.57×10^3(60 h)	53.57×10^3 (240h)	43
5	Epoxy/PANI-GON (12 wt%)	1.44×10^4(192h)	3.45×10^6 (192h)	44
6	PG1-painted low-carbon steel	1.56×10^3(96h)	33×10^3 (96h)	45
7	GON-An02E	1.8×10^8(35 days)	4×10^9 (35 days)	47
8	E/PANI-PGO(0.2)	1.00×10^4 (192h)	1.05×10^7 (192h)	Present work

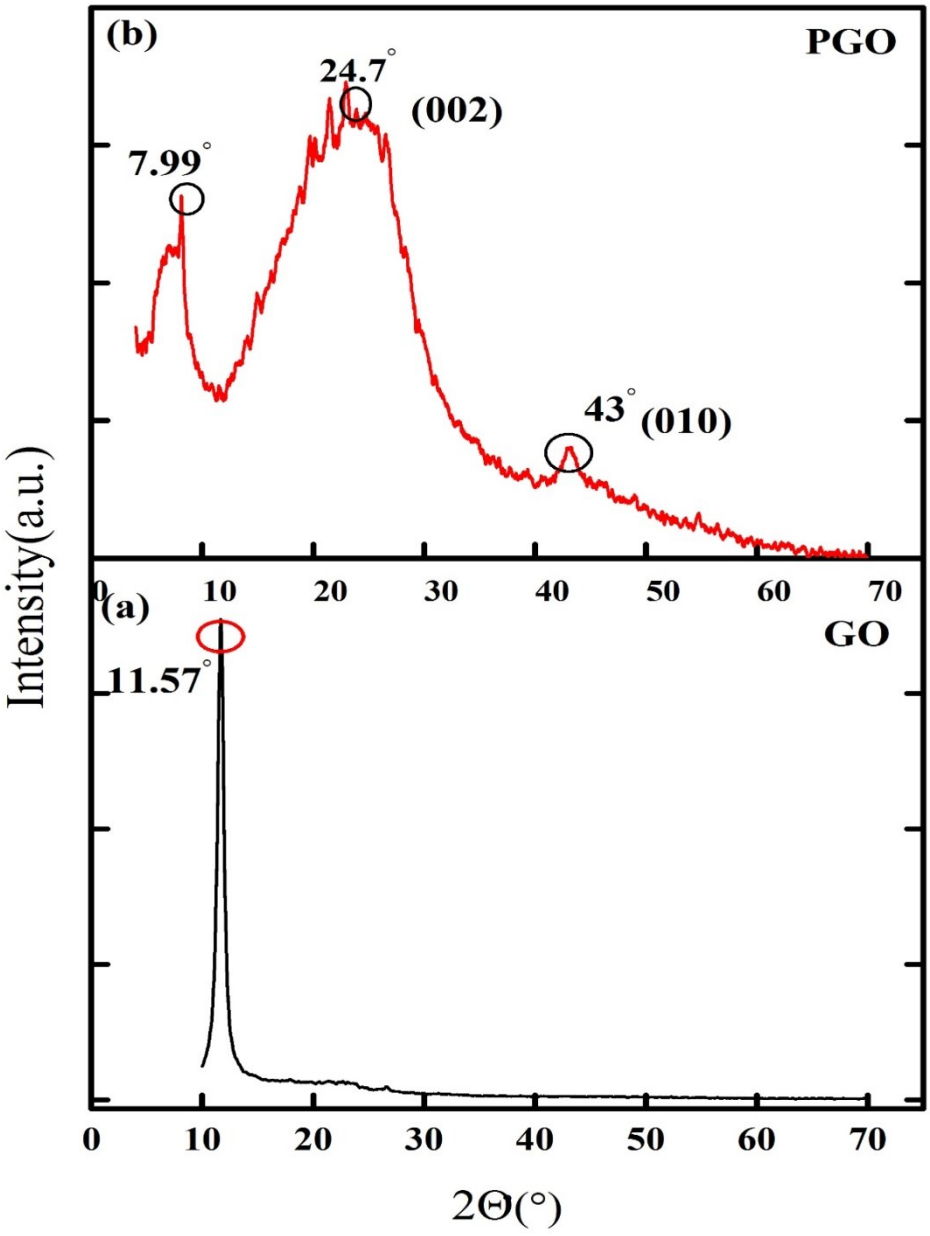

Figure S1. XRD diffraction patterns of GO and PGO.

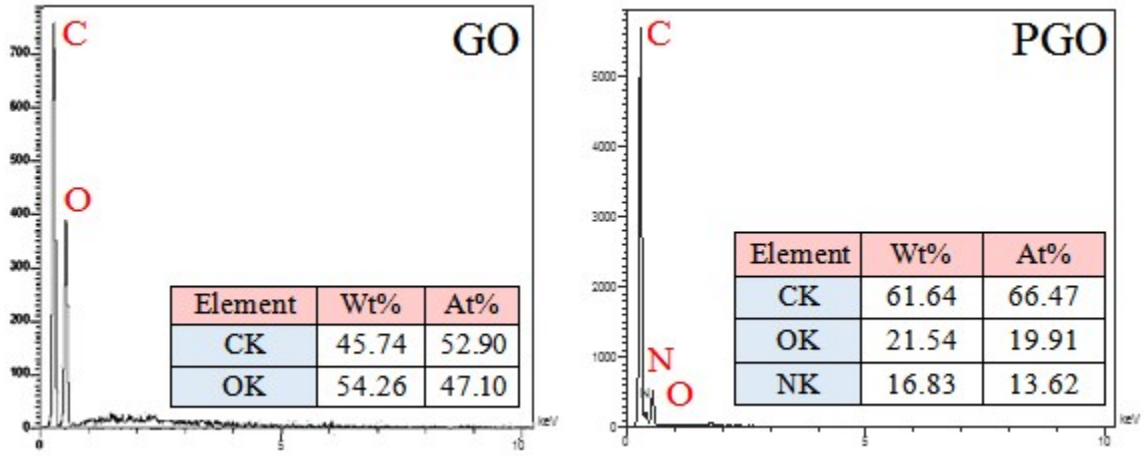

Figure S2. EDX spectra of GO and PGO.