

Table 3. Results for EDX characterization (% atomic) and Pt/C and O/C atomic ratios (%) for the different electrodes prior to and after electrolysis in a 0.1 M Na₂SO₄ or 0.1 M Na₂SO₄ / 0.005 M NaCl + 20 ppm NPX solution at 1.4 V.

Electrolyte	Electrode	% Atomic			Ratio	
		C	O	Pt	Pt/C (%)	O/C (%)
Prior to electrolysis	CP	100.00	-	-	-	-
	CP-RGO-Pt NPs	93.87	3.23	2.72	2.90	3.44
	CP-Pt NPs	89.72	6.17	3.25	3.62	6.88
0.1 M Na ₂ SO ₄	CP 1.4 V	98.99	1.01	-	-	1.02
	CP-RGO-Pt NPs 1.4 V	94.79	2.64	2.57	2.71	2.79
	CP-Pt NPs 1.4 V	98.48	1.01	0.51	0.52	1.03
0.1 M Na ₂ SO ₄ + 5 mM NaCl	CP 1.4 V	99.40	-	-	-	-
	CP-RGO-Pt NPs 1.4 V	94.37	4.33	1.04	1.10	4.59
	CP-Pt NPs 1.4 V	96.16	3.50	0.34	0.35	3.64