

Supplementary Information

Comparison of Different Electrochemical Methodologies for Electrode Reactions: A Case Study of Paracetamol

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Table S1. Electrochemical parameters for 1×10^{-6} M of paracetamol solution with 0.1 M of LiClO₄ as a supporting electrolyte

Scan Rate (V/s)	E _{pa} (V)	I _{pa} (μA)	E _{pc} (V)	I _{pc} (-μA)	E _{1/2} (V)	ΔE _p (V)	I _{pc} /I _{pa}
0.030	0.69	13.12	0.61	7.42	0.650	0.078	0.57
0.050	0.70	19.22	0.61	11.20	0.651	0.088	0.58
0.080	0.70	24.88	0.60	14.47	0.650	0.101	0.58
0.100	0.70	27.52	0.60	16.40	0.651	0.105	0.60
0.130	0.70	30.00	0.60	18.00	0.650	0.109	0.60
0.150	0.71	34.14	0.59	19.85	0.650	0.117	0.58
0.180	0.71	37.40	0.59	21.44	0.652	0.124	0.57
0.200	0.72	40.25	0.59	22.80	0.652	0.128	0.57
0.230	0.72	43.43	0.59	24.40	0.652	0.131	0.56
0.250	0.72	45.80	0.58	25.73	0.650	0.136	0.56
0.280	0.72	48.17	0.59	26.91	0.654	0.135	0.56
0.300	0.73	50.83	0.57	27.48	0.651	0.154	0.54

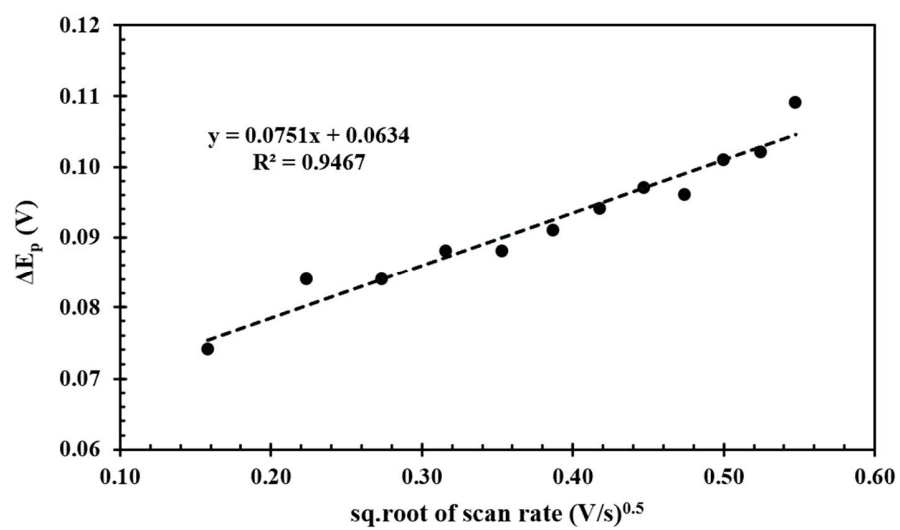


Figure S1. A plot of ΔE_p (V) vs. sq.root of scan rate $(V/s)^{0.5}$.

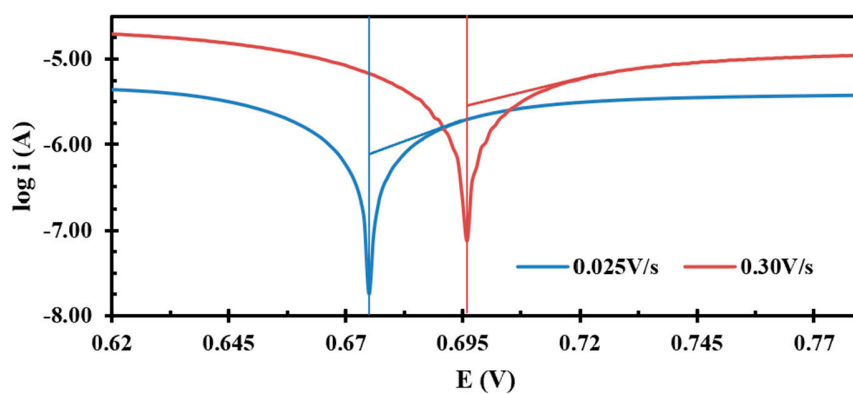


Figure S2. Tafel plots at 0.025 V/s and 0.300 V/s with tangent lines to calculate Tafel slope.