

| Ref. | Anode | Cathode | Separator | Anolyte | Catholyte | T(K) | OCV(V) | $P(\text{mW cm}^{-2})$ |
|-----------|--|----------------|----------------------------|---|---|------|--------|------------------------|
| [4] | <u>NiMoN@NC</u> | <u>FeN-HPC</u> | non | 1.0 M NaBH ₄ + 3.0 M NaOH | O ₂ | 333 | 2.0 | 112 |
| [36] | <u>Pd-Ni/N-rGO</u> | Pt/C | <u>Nafion 117</u> | 1.0 M NaBH ₄ + 2.0 M NaOH | 2 M H ₂ O ₂ +0.5 M H ₂ SO ₄ | 333 | 2.0 | 354 |
| [36] | <u>Pd-Co/N-rGO</u> | Pt/C | <u>Nafion 117</u> | 1.0 M NaBH ₄ + 2.0 M NaOH | 2 M H ₂ O ₂ +0.5 M H ₂ SO ₄ | 333 | 1.9 | 275 |
| [41] | <u>Au-NP@rGO</u> | Pd/C | <u>Nafion 117</u> | 0.4 M NaBH ₄ + 2.0 M NaOH | 0.8 M H ₂ O ₂ +2 M H ₂ SO ₄ | 343 | 1.63 | 60 |
| [49] | <u>PdAuNi/C</u> | Pt | <u>Nafion 117</u> | 1.0 M NaBH ₄ + 4.0 M NaOH | 5 M H ₂ O ₂ +1.5 M HCl | 348 | 1.9 | 175 |
| [50] | <u>C_{Ni}-S_{Pt}/rGO</u> | Pt/C | <u>Nafion</u> | 1.0 M NaBH ₄ + 2.0 M NaOH | 2 M H ₂ O ₂ +0.5 M H ₂ SO ₄ | 333 | 1.9 | 234 |
| [51] | <u>Ni_{ED}/eNFT</u> | Pt/C | Bipolar interface (175) | 1.5 M NaBH ₄ + 3.0 M KOH | 15 wt% H ₂ O ₂ +1.5 M H ₂ SO ₄ | 343 | 2.0 | 446 |
| This work | Ni _{0.889} -Co _{0.111} | Pt/C | <u>Nafion 117</u> | 1.5 M NaBH ₄ + 3 M NaOH | 1.5 M H ₂ O ₂ +2 M H ₂ SO ₄ | 343 | 1.87 | 490 |
| This work | Pt/C | Pt/C | <u>Nafion 117</u> | 1.5 M NaBH ₄ + 3 M NaOH | 1.5 M H ₂ O ₂ +2 M H ₂ SO ₄ | 343 | 1.79 | 178 |
| This work | Ni | Pt/C | <u>Nafion 117</u> | 1.5 M NaBH ₄ + 3 M NaOH | 1.5 M H ₂ O ₂ +2 M H ₂ SO ₄ | 343 | 1.76 | 265 |