

Figure SI. Spectrophotography of 0.1 M KI aqueous solution in the presence of 1, 5, 10, 25, 50, 75, and 100 μM I_3^- .

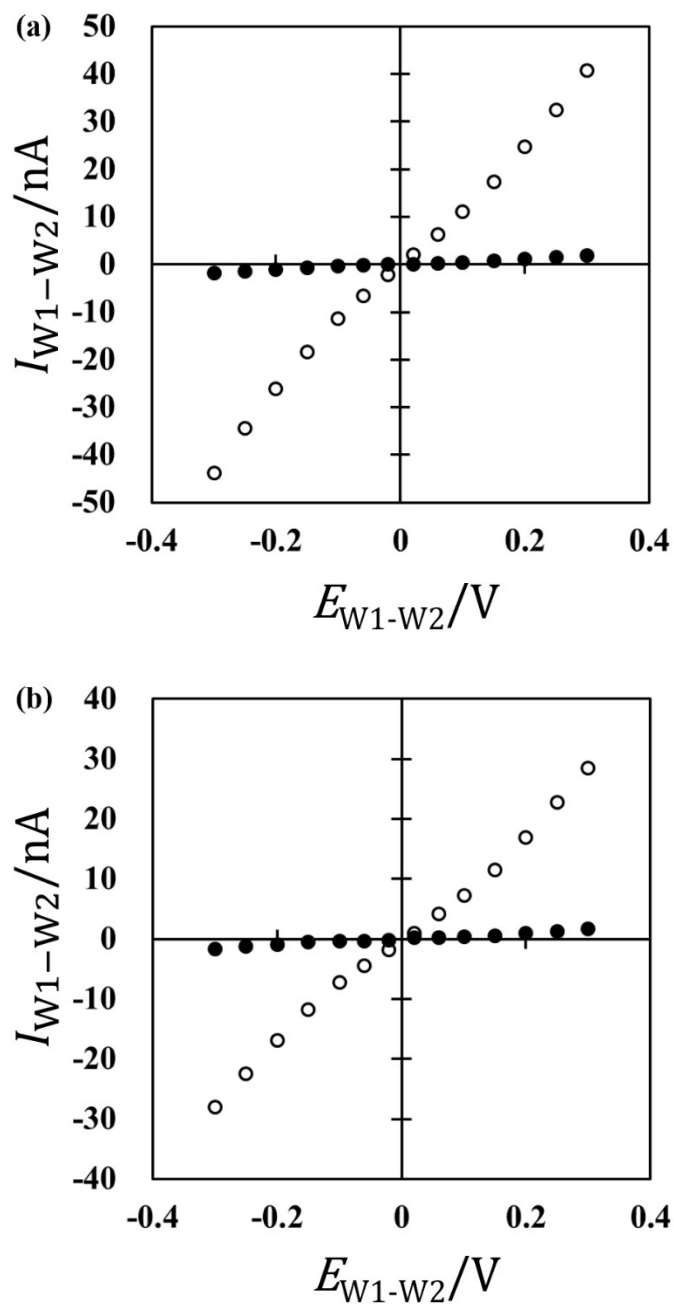


Figure SI2. NPV voltammogram for the ion transfer across the BLMs in the TM between W1 and W2 containing (a) 0.1 M NaI aqueous solution and (b) 0.1 M CsI aqueous solution, in the absence of I_3^- (●) and in the presence of 50 μM I_3^- (○), respectively.

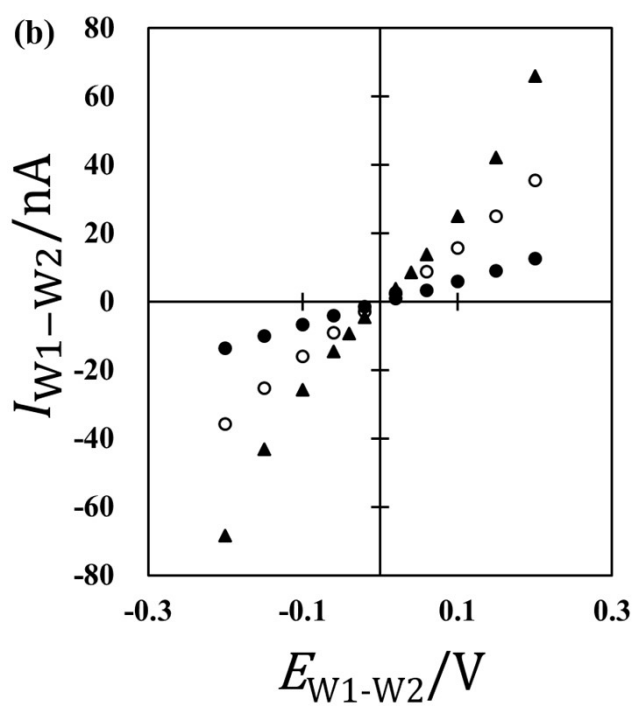
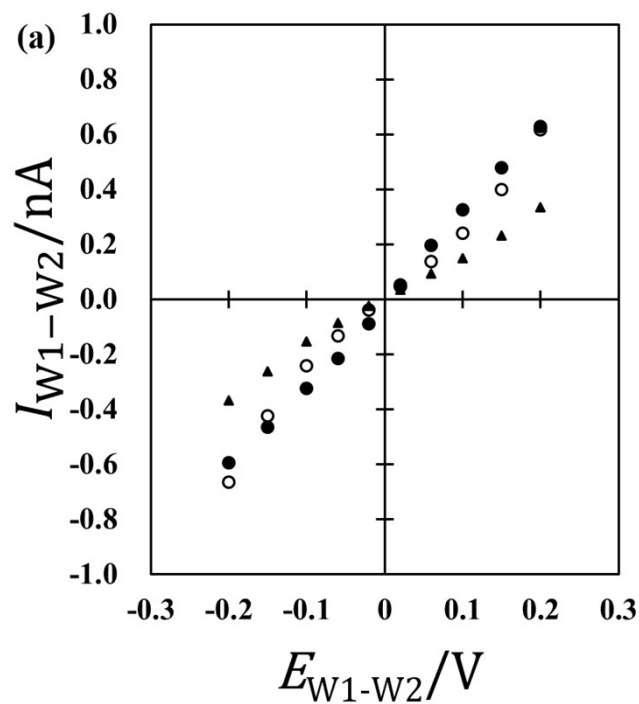


Figure S13. NPV voltammogram for the ion transfer across the BLMs in the TM between W1 and W2 containing 0.1 M KI aqueous solution in the absence of I_3^- (a) and in the presence of 50 μM I_3^- (b) at the temperature of 40 (\blacktriangle), 25 (\circ), 10 (\bullet) °C, respectively.