

Research Project 2: HATNA-Based Polymers for Brain-Inspired Computing

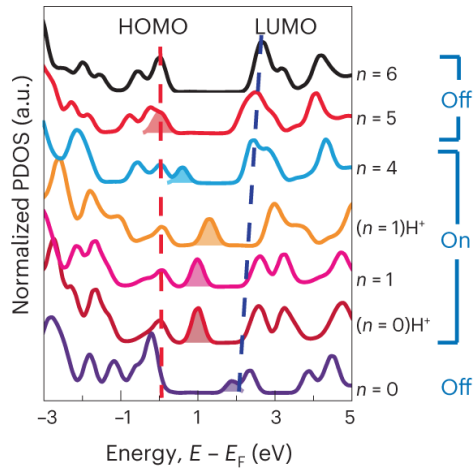
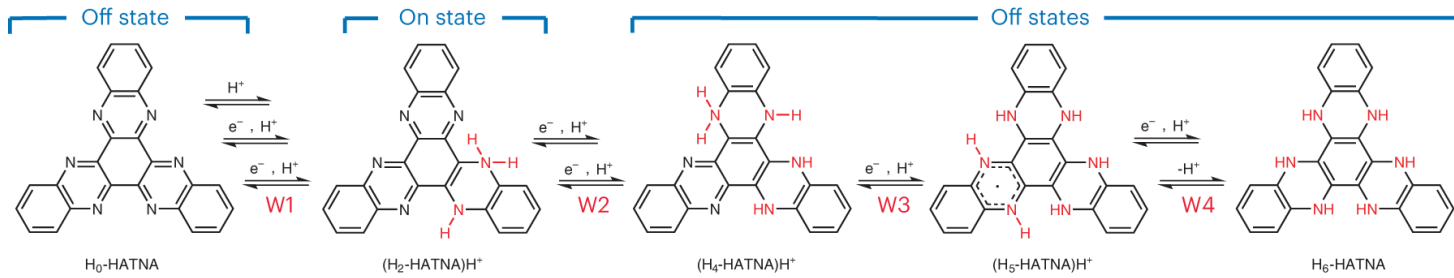


Figure 1. The mechanism of HATNA molecular switch

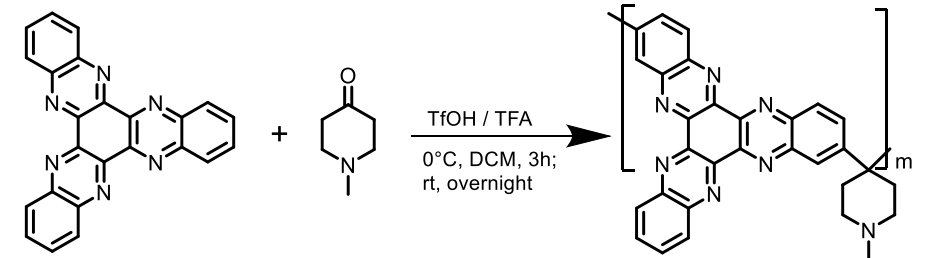
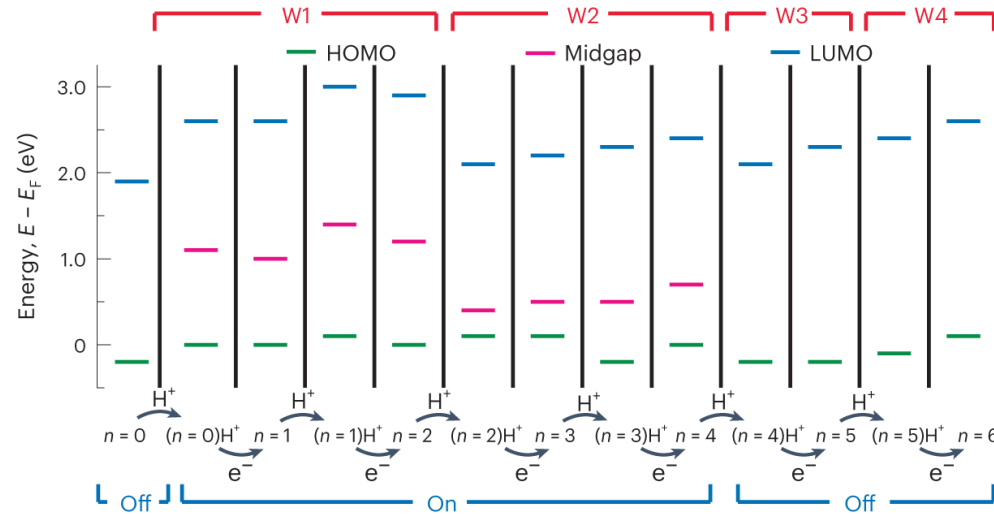


Figure 2. Schematic diagram of the synthesis of HATNA-based polymers

Can you find a more suitable monomer for preparing HATNA polymer?

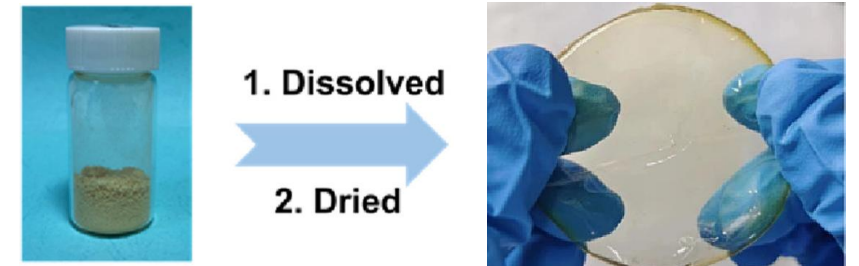


Figure 3. Ideal target product

What solvents and concentrations can produce the perfect film?
And how can we measure its brain-inspired computing performance?