

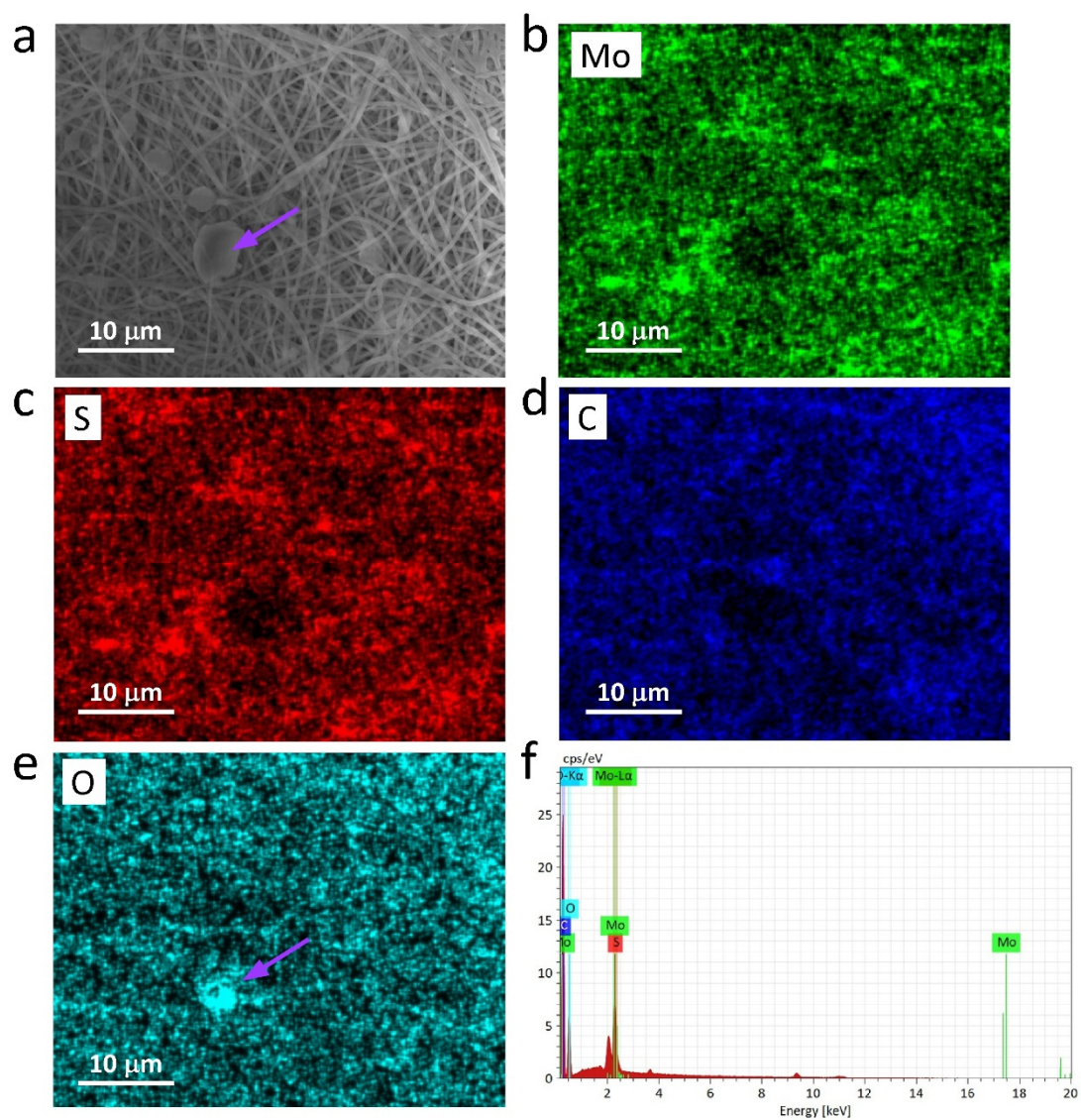


Figure S1. EDS results of large particles.

Pure PVA  
CA=23 $^{\circ}$

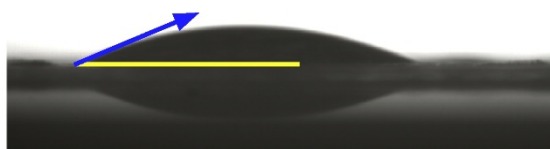


Figure S2. Electrolyte contact angle test on pure PVA membrane.