Supporting information for

Confinement Effects on the Rate Performance of Redox Active Molecules for Pseudocapacitive Flowable Electrodes

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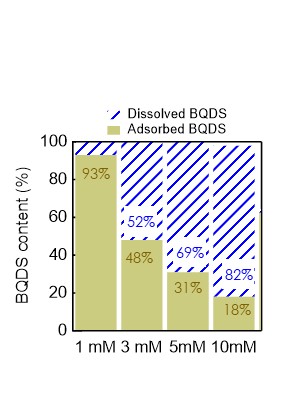


Figure S1. Ratio of adsorbed BQDS and dissolved BQDS for BQDS(*n* mM)/AC2 (*n* = 1, 3, 5, and 10). AC2 is micropore-rich steam-activated carbon (YP-50F, Kuraray).



Figure S2. Changes in the anodic and cathodic peak currents as a function of scan rate of (a) BQDS(1 mM)/AC, (b) BQDS(3 mM)/AC, (c) BQDS(5 mM)/AC, and (d) BQDS(10 mM)/AC dispersed in 0.5 M H2SO4.



Figure S3. Changes in the anodic and cathodic peak currents as a function of the square root of scan rate of (a) BQDS(1 mM)/AC, (b) BQDS(3 mM)/AC, (c) BQDS(5 mM)/AC, and (d) BQDS(10 mM)/AC dispersed in 0.5 M H2SO4.

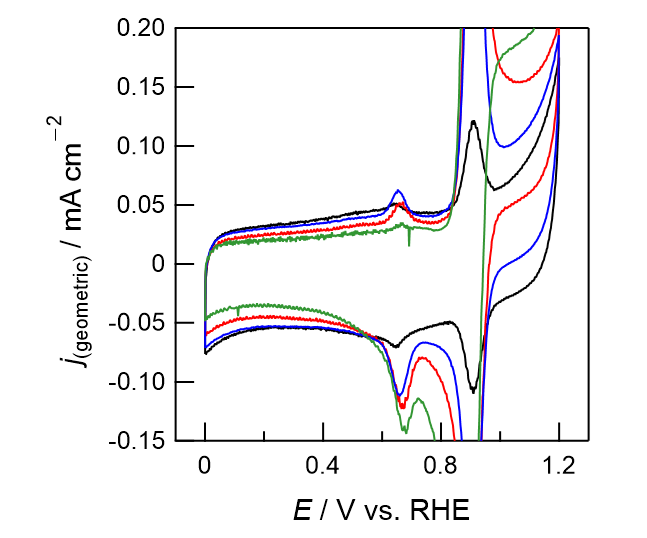


Figure S4. Cyclic voltammogramsof (a) BQDS(1 mM)/AC (black), (b) BQDS(3 mM)/AC (red), (d) BQDS(5 mM)/AC (blue), and (d) BQDS(10 mM)/AC (green) dispersed in 0.5 M H2SO4 at a scan rate of 5 mV s−1.