

Supplementary materials

Size Fractionation of Fluorescent Graphene Quantum Dots using a Cross-flow Membrane Filtration System

Sang-Gu Yim, Yong Jin Kim, Ye-Eun Kang, Byung Kee Moon, Eun Sang Jung* and Seung Yun Yang*

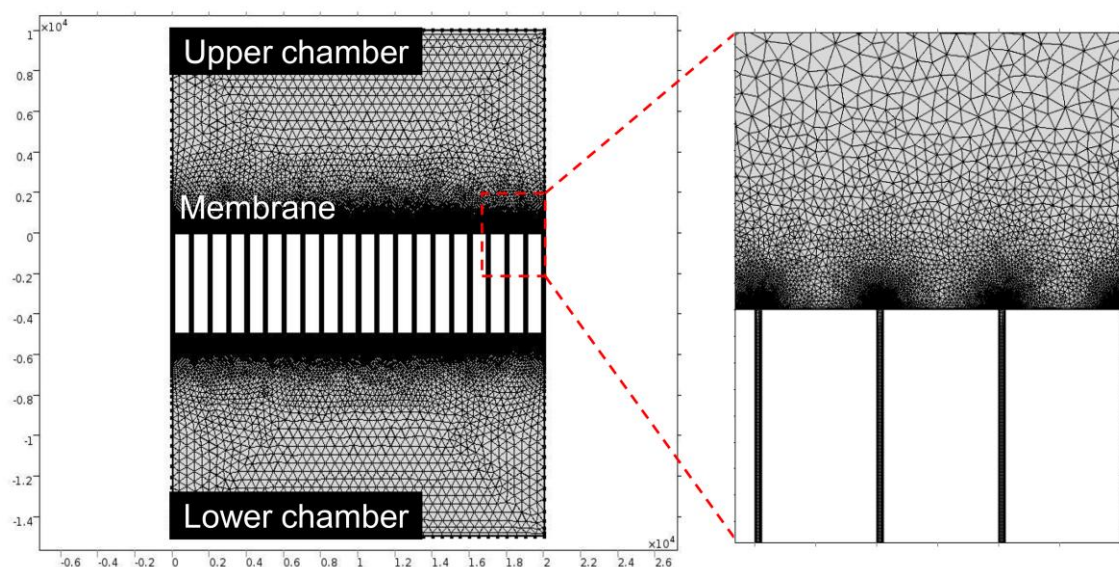


Figure S1. Space subdivided by the membrane with nanochannels used in finite element method simulations.

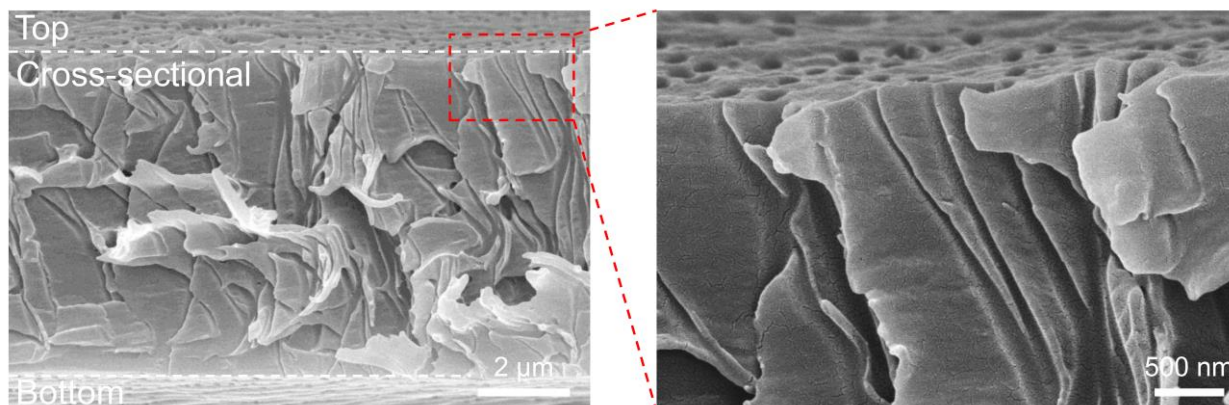


Figure S2. SEM images of the cross-sectional image of the membrane before filtration.

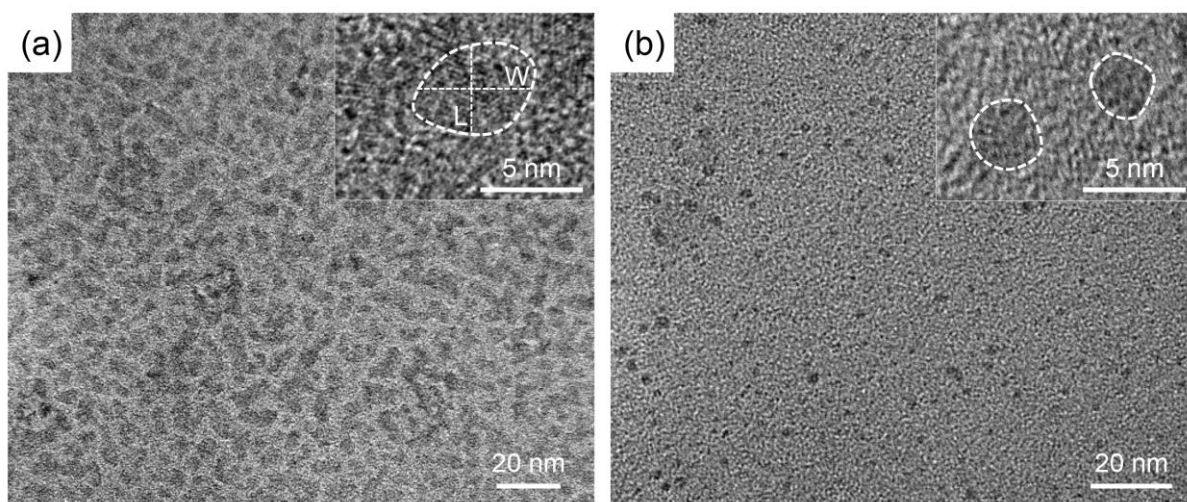


Figure S3. TEM images of GQDs in (a) retentate and (b) permeate sides obtained after cross-flow filtration. The average size is defined as half of (width (W) + length (L)) of a GQD as shown in the inset of (a).