

Supporting Information

Multi-Segmented CdS-Au Nanorods for Electrochemiluminescence Bioanalysis

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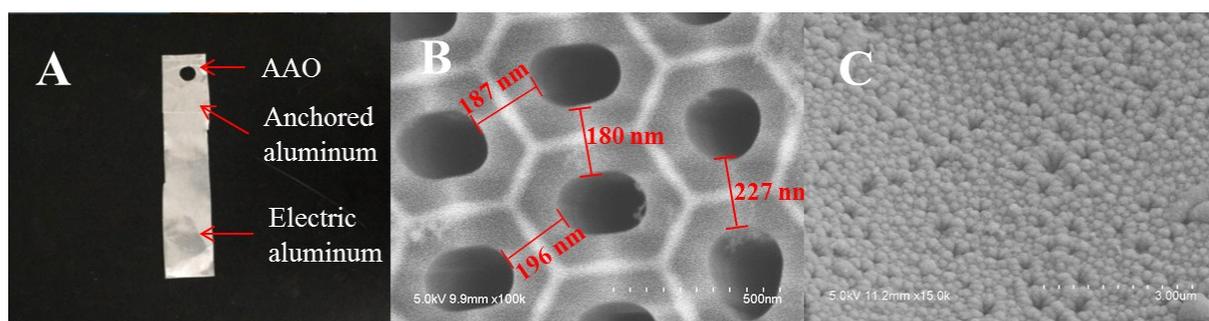


Figure S1. (A) The AAO electrode for the preparation of nanorod arrays. (B) The SEM image of AAO before electrodeposition. (C) The SEM image of AAO after electrodeposition of CdS.

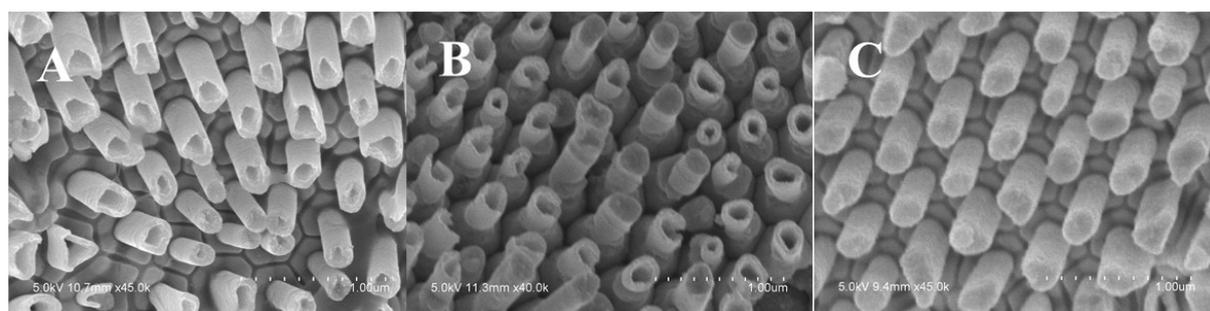


Figure S2. The SEM images of CdS nanorod arrays electrodeposited with the quantity of charge of (A) 0.10C, (B) 0.15C, (C) 0.02C.

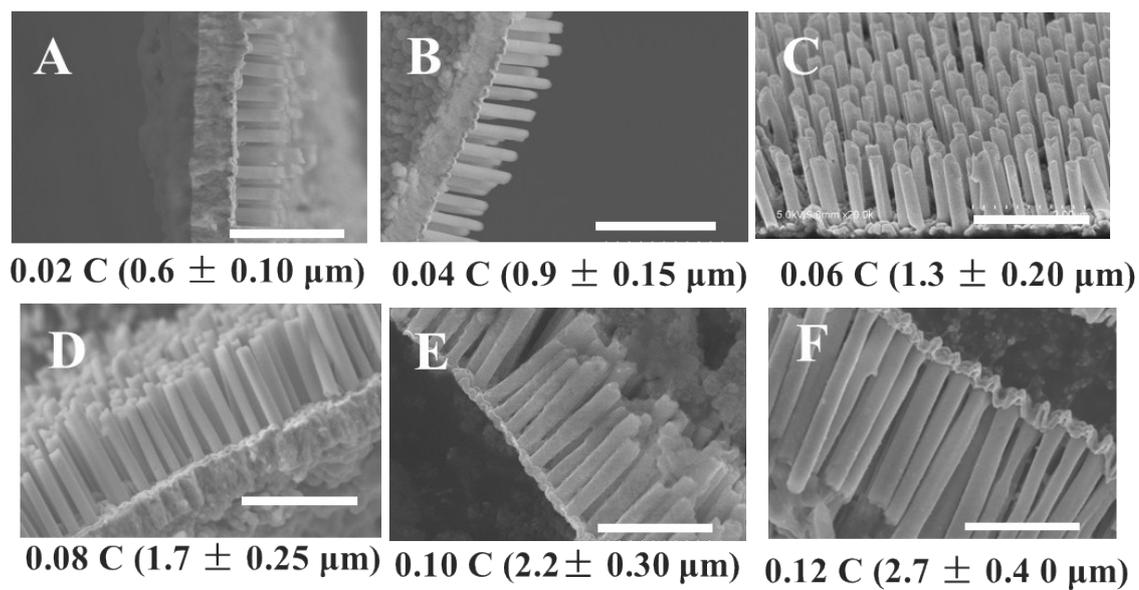


Figure S3. The SEM images of CdS nanorod arrays electrodeposited with the quantity of charge of (A) 0.02C, (B) 0.04C, (C) 0.06C, (D) 0.08C, (E) 0.10C, (F) 0.12C, scale bar: 2 μm .

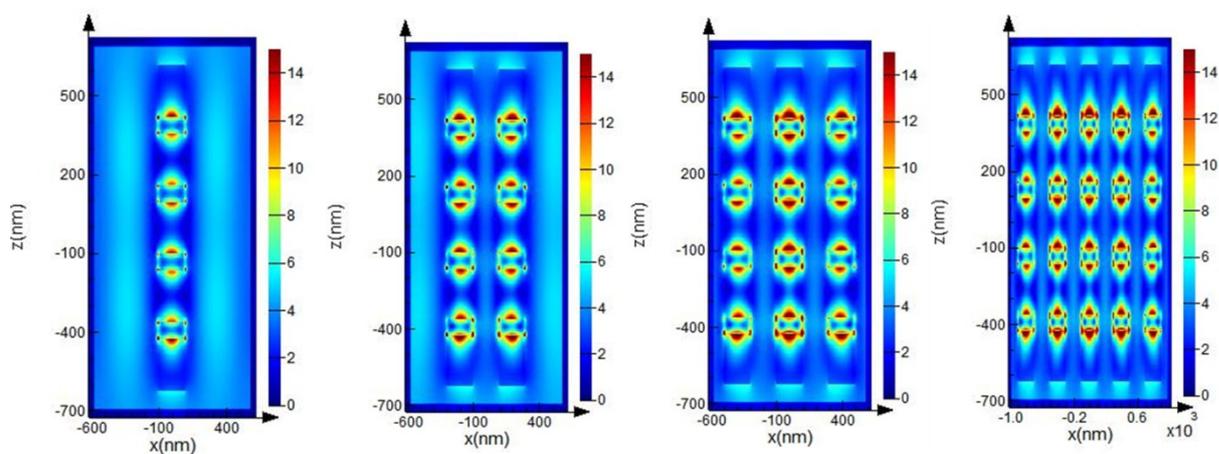


Figure S4. Field intensity distribution with different number of nanorods.

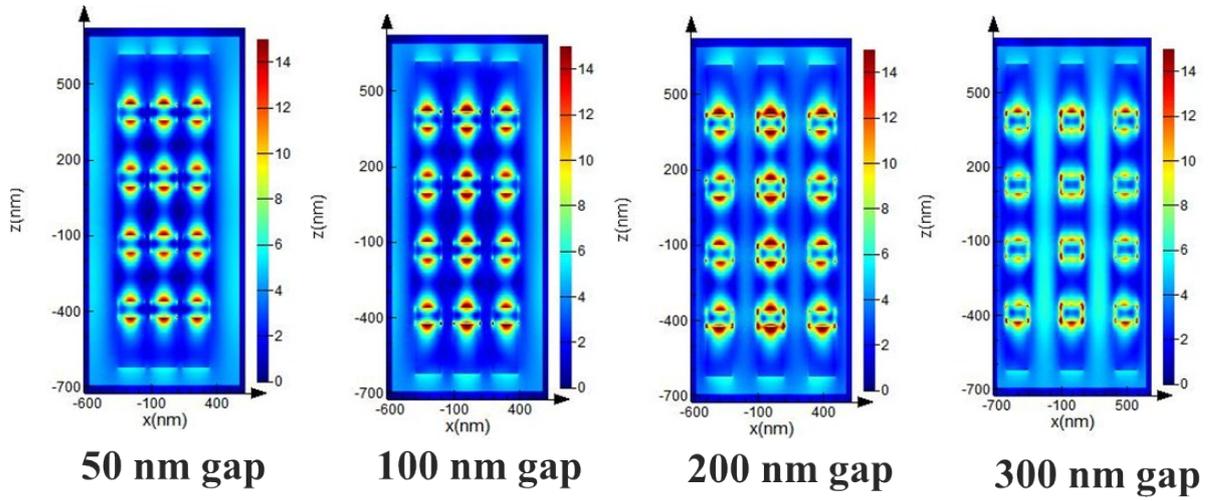


Figure S5. Field intensity distribution with different rods gap.

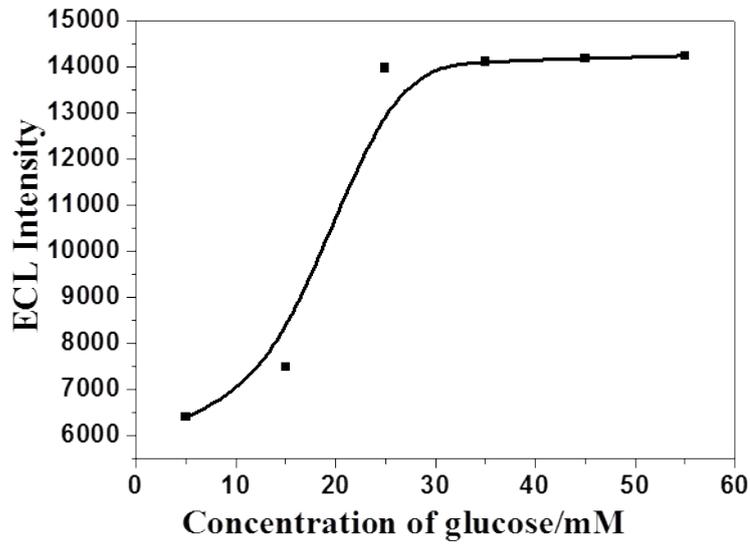


Figure S6. Effects of concentration of glucose to the ECL intensity with 10 ng/mL target PSA.

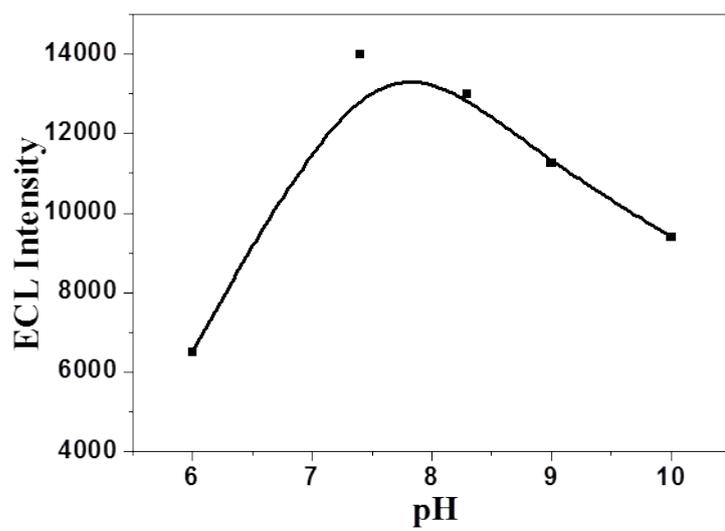


Figure S7. Effects of pH to the ECL intensity with 10 ng/mL target PSA.