

Electronic Supplementary Information

**Green Synthesis of Silver Nanoclusters Supported on Carbon Nanodots:
Enhanced Photoluminescence and High Catalytic Activity for Oxygen
Reduction**

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Supplementary Results

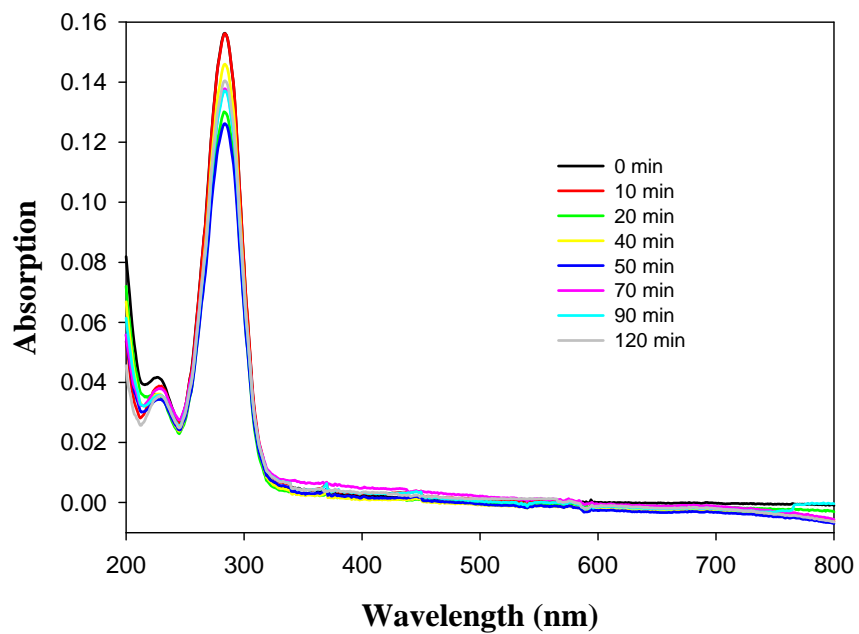


Fig. S1 UV-Vis absorption spectra of carbon nanodots after refluxed for different times.

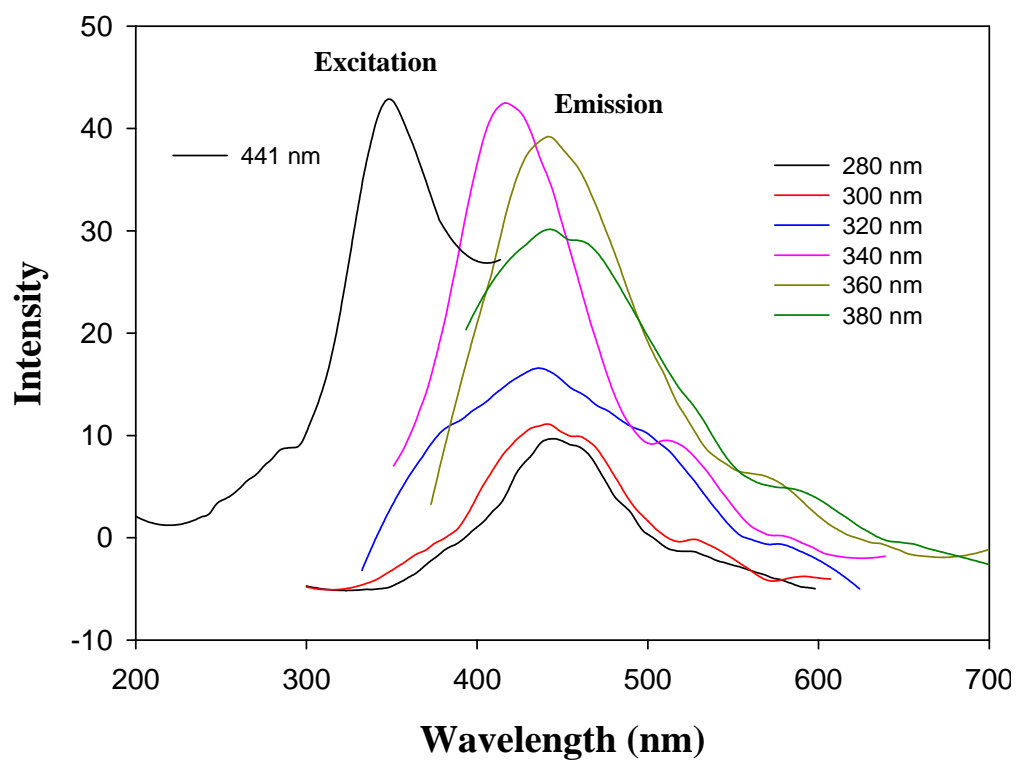


Fig. S2 Excitation (left, Em: 441 nm) and emission spectra (right, excited at different wavelength) of the as-synthesized carbon nanodots.

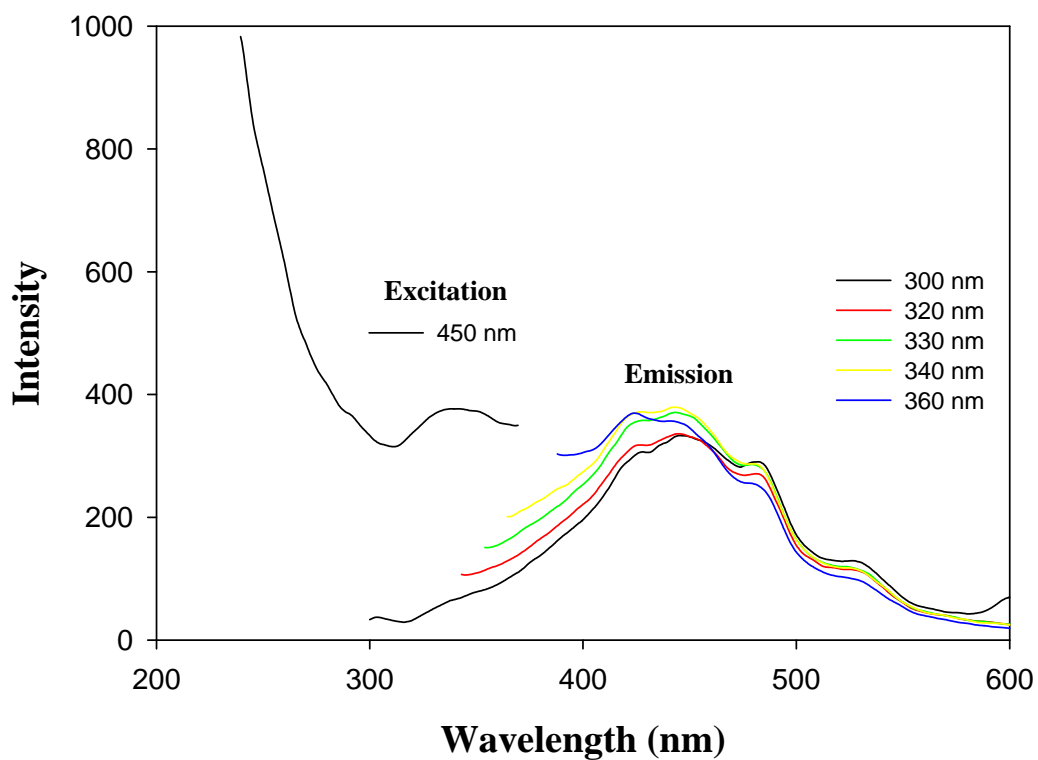


Fig. S3 Excitation (left, Em: 450 nm) and emission spectra (right, excited at different wavelength) of the Ag NCs/CNs.

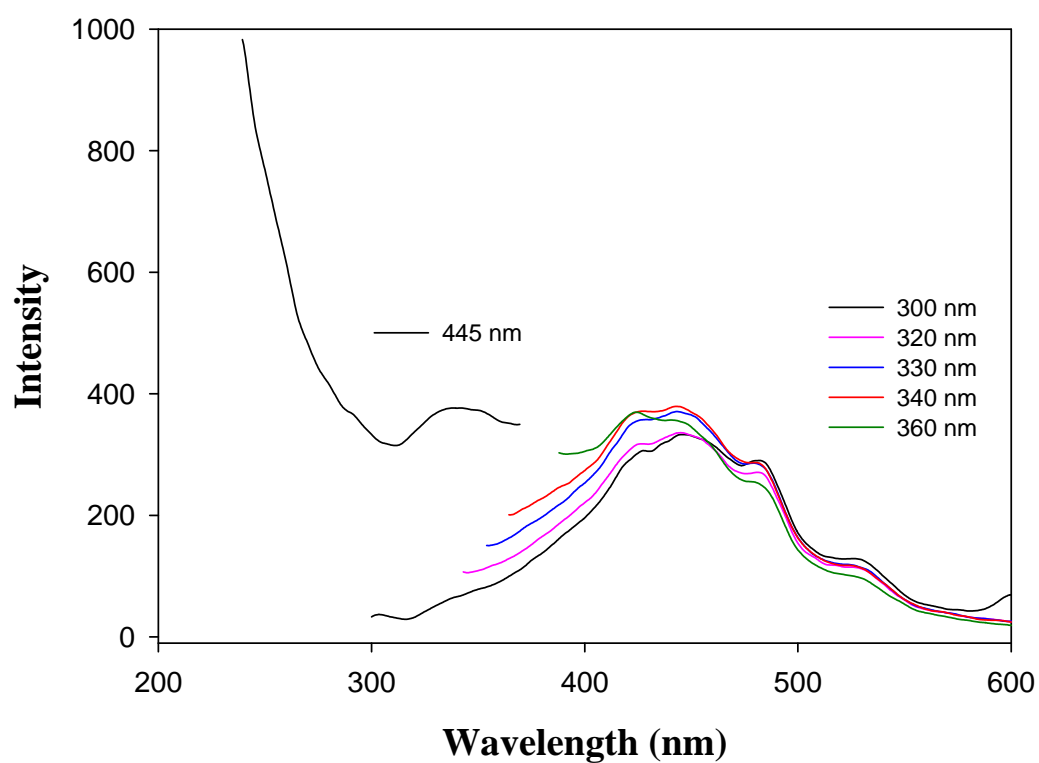


Fig. S4 Excitation (left, Em: 445 nm) and emission spectra (right, excited at different wavelength) of the Ag NCs/CNs-25.

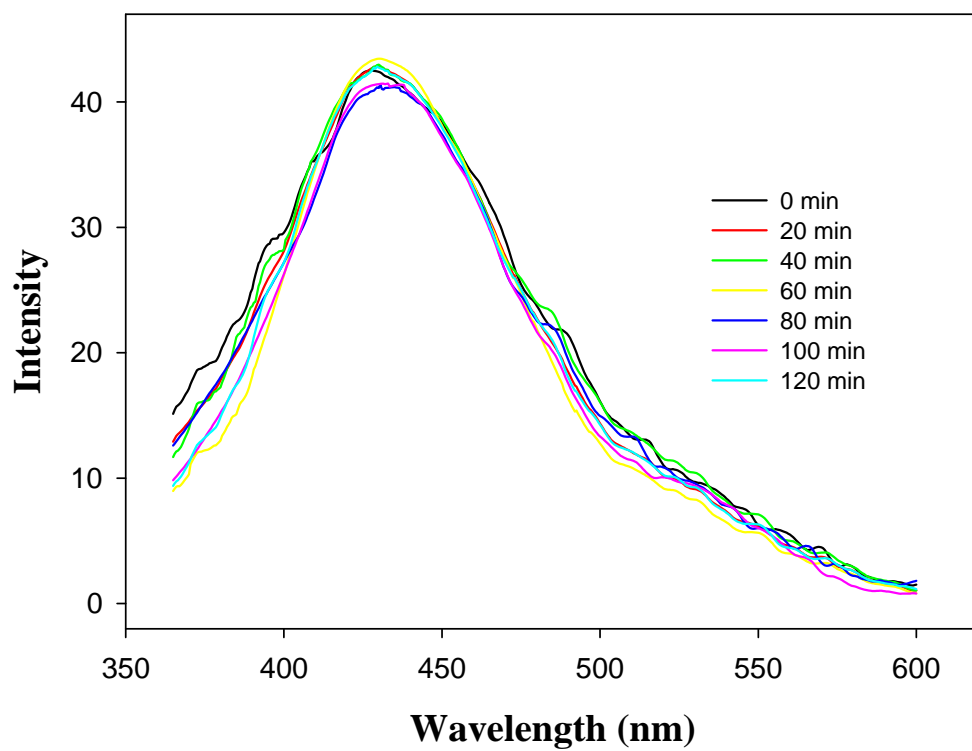


Fig. S5 Emission spectra (excited at 340 nm) of the as-synthesized carbon nanodots with refluxing treatments for different times.

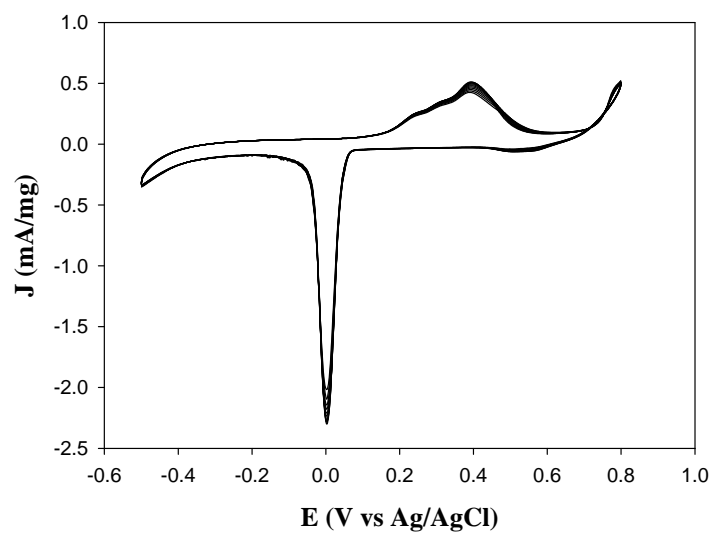


Fig. S6 CVs of Ag NCs/CNs electrodes in N_2 -saturated 0.1 M KOH solution (30 cycles).

Potential scan rate: 0.1 V/s.

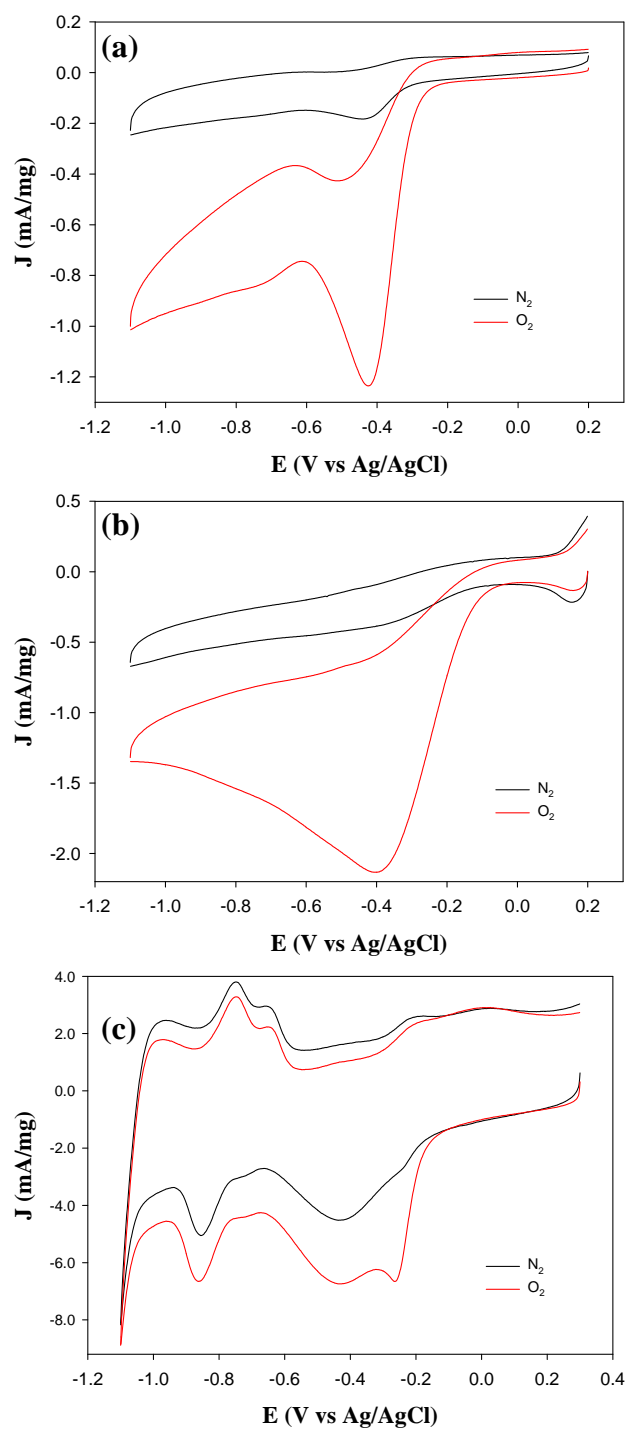


Fig. S7 CVs of the carbon nanodots (CNs, a), Ag NCs/CNs-25 (b) and Pt/C (c) electrodes in N_2 (black curve)- and O_2 (red curve)-saturated 0.1 M KOH solution. Potential scan rate: 0.1 V/s.

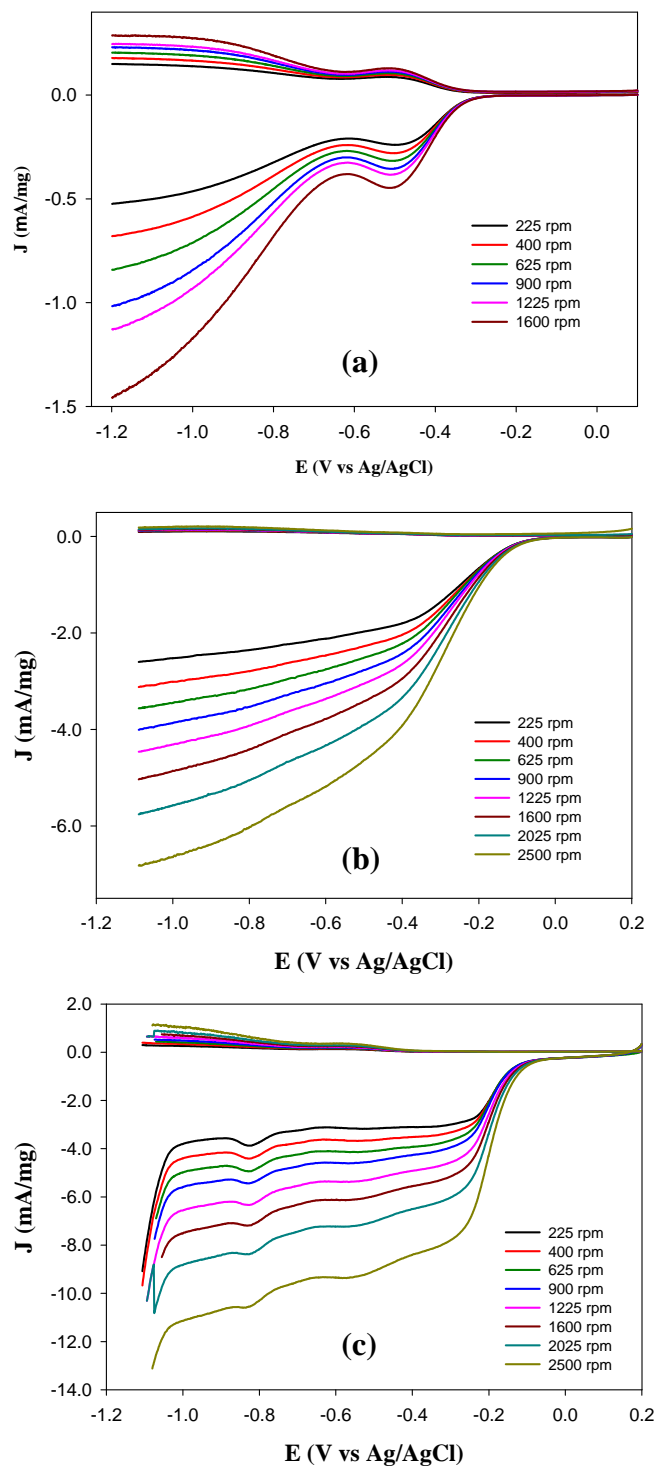


Fig. S8 Rotation ring-disk voltammograms of ORR in O_2 -saturated 0.1 M KOH solution at various rotation rates recorded on (a) carbon nanodots (CNs); (b) Ag NCs/CNs-25 and (c) Pt/C. Potential scan rate: 20 mV/s.