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Supporting Information

Swift Synthesis, Functionalization and Phase-transfer Studies of Ultrastable, Visible Light Emitting Oleate@ZnO Quantum Dots

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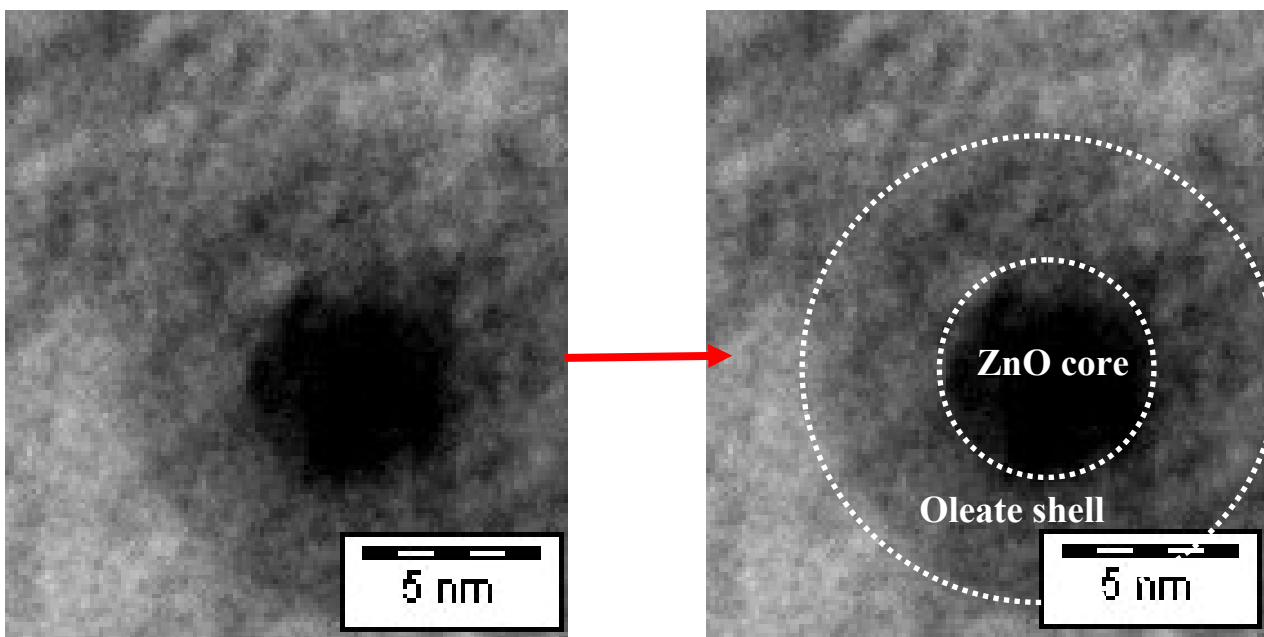
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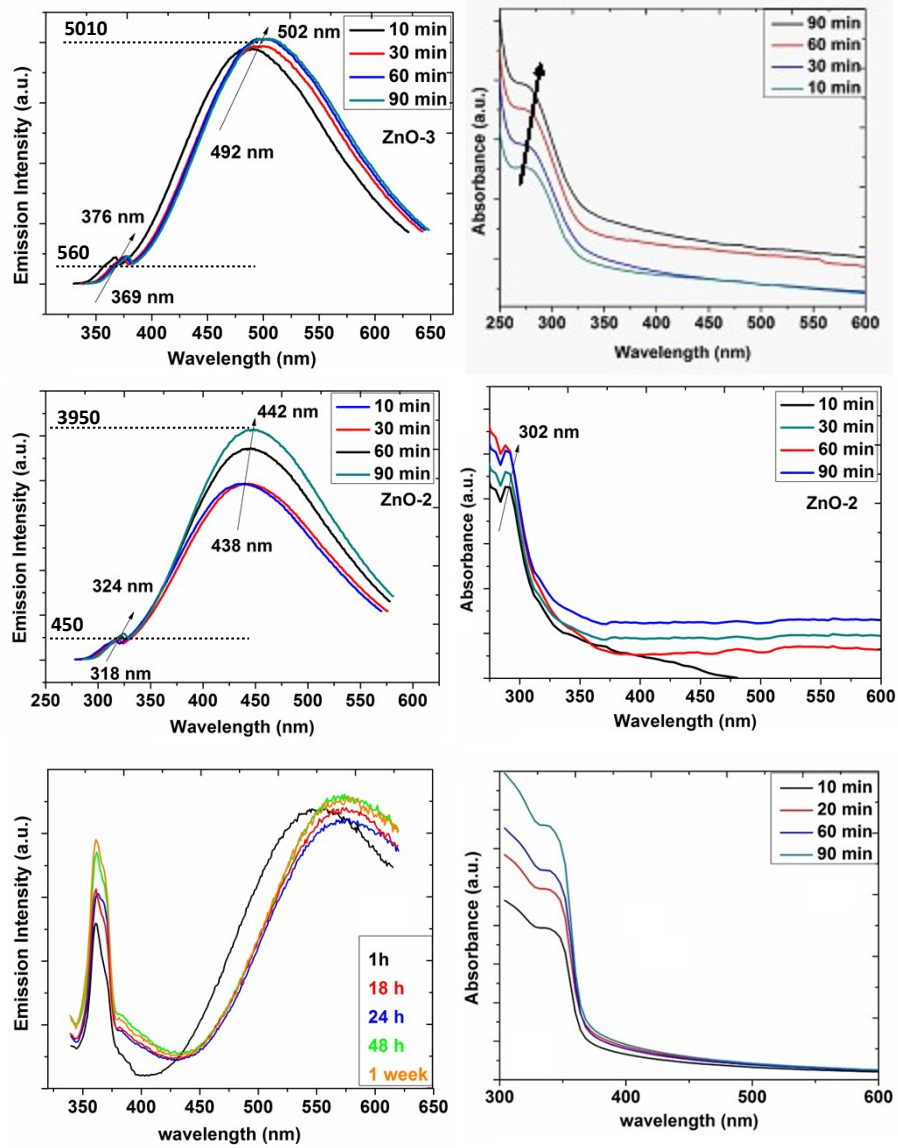
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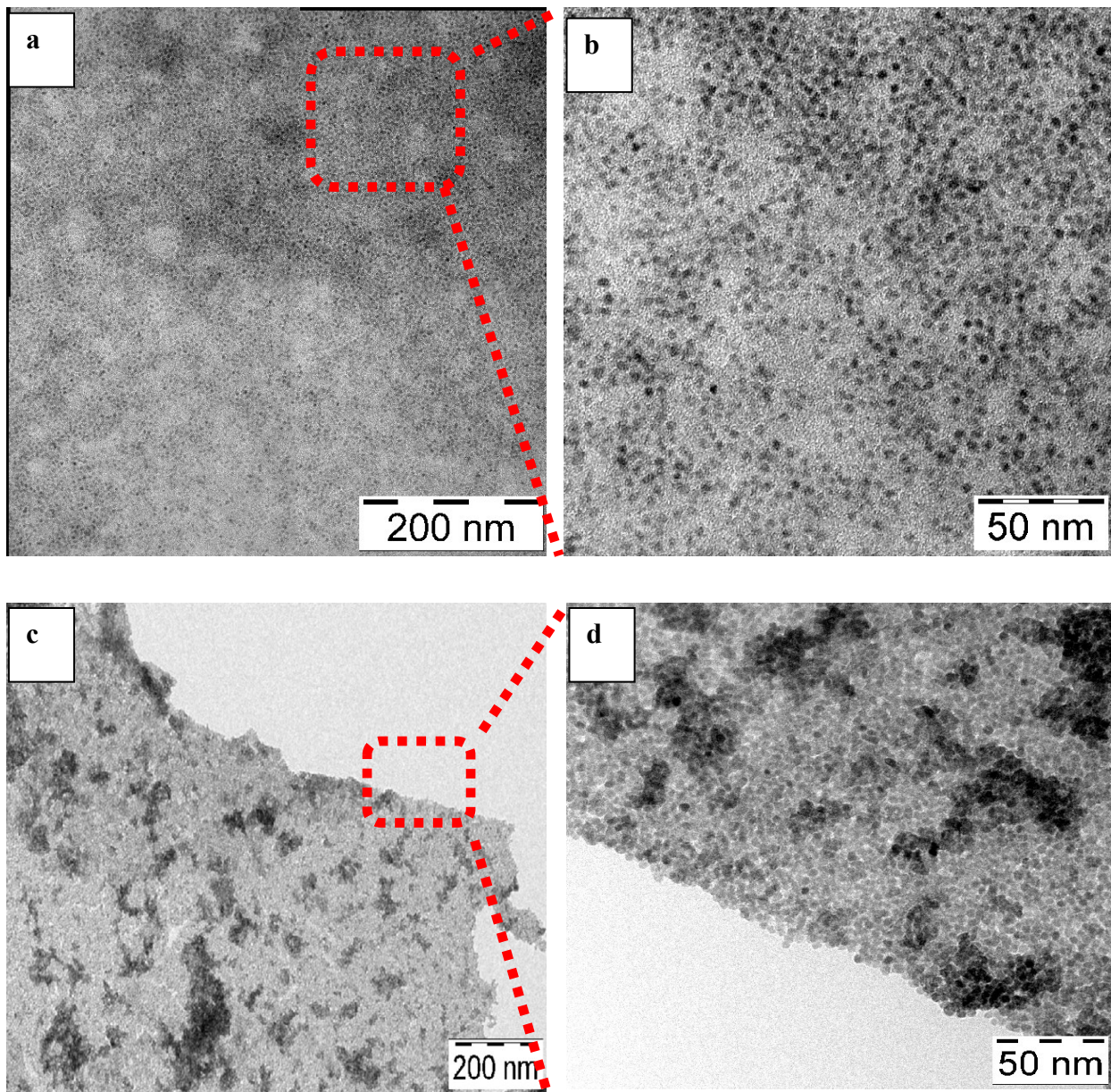
KEYWORDS: ZnO QDs, cell labeling, phase transfer, visible emission



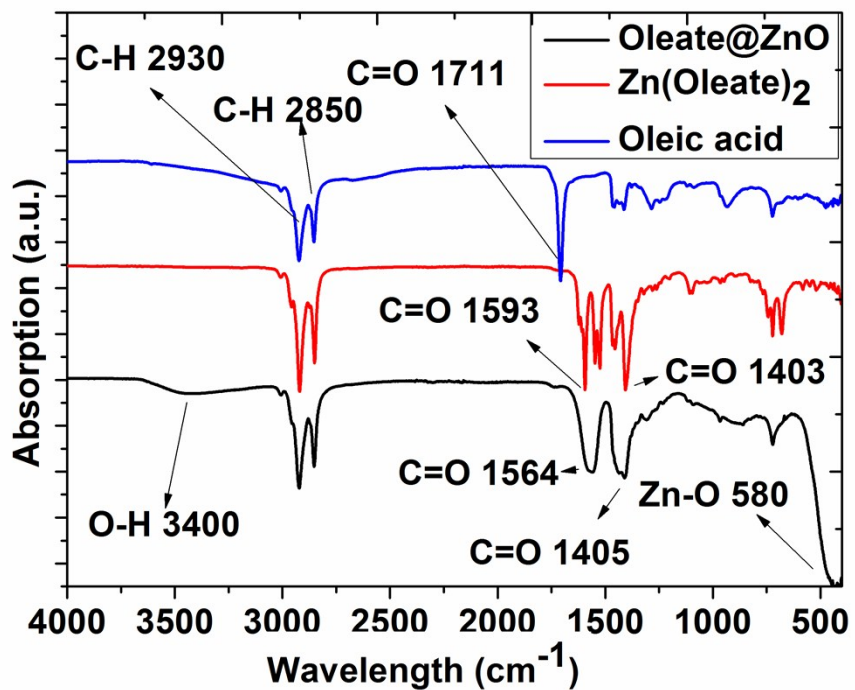
Supporting Figure 1: Core-shell structure of the Oleate@ZnO QDs for the synthesized Oleate@QDs



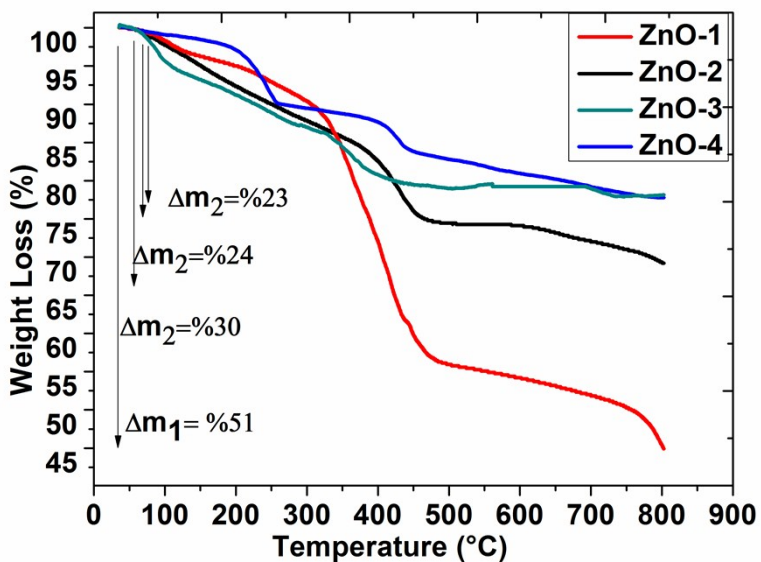
Supporting Figure 2: PL and UV-Vis properties of ZnO-2, ZnO-3 ve ZnO-4,



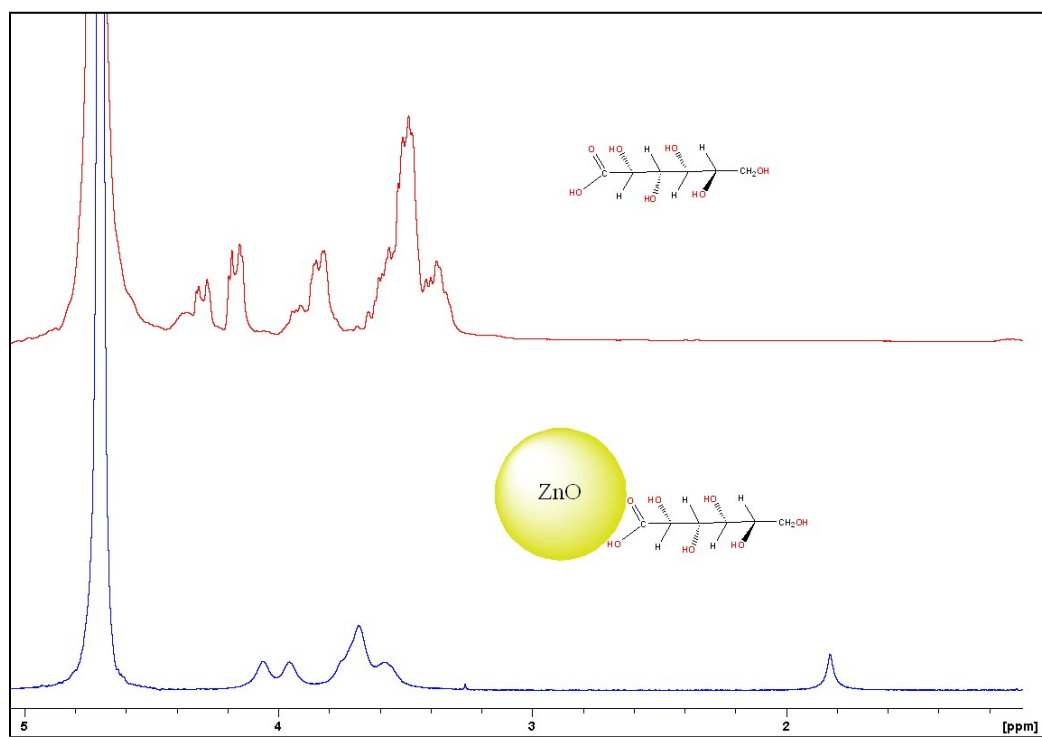
Supporting Figure 3: Comparison of the agglomeration behavior of a-b) Oleate@ZnO QD and c-d) Acetate@ZnO's



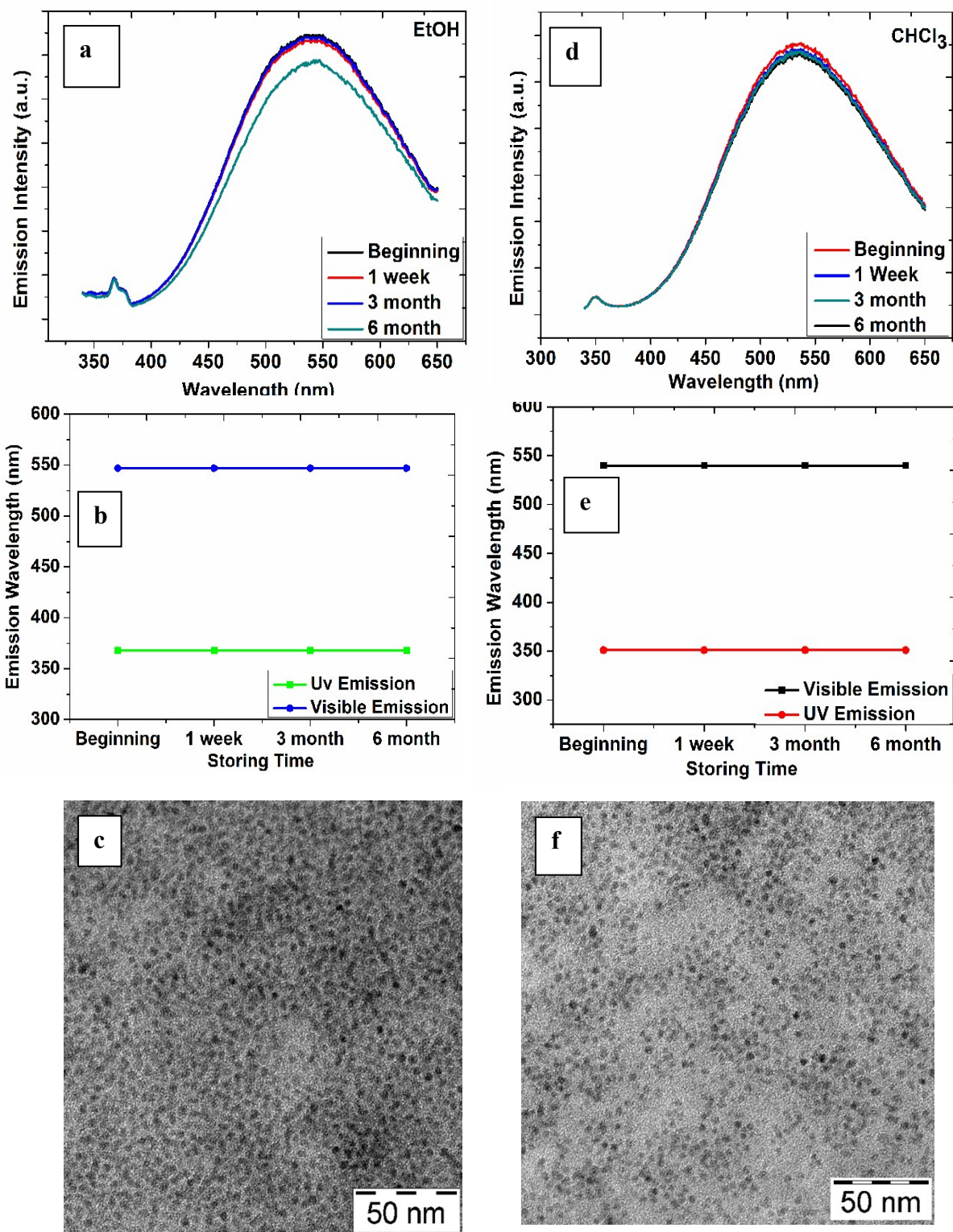
Supporting Figure 4: FT-IR observation of transformation of molecular precursor in the Oleate@ZnO QDs



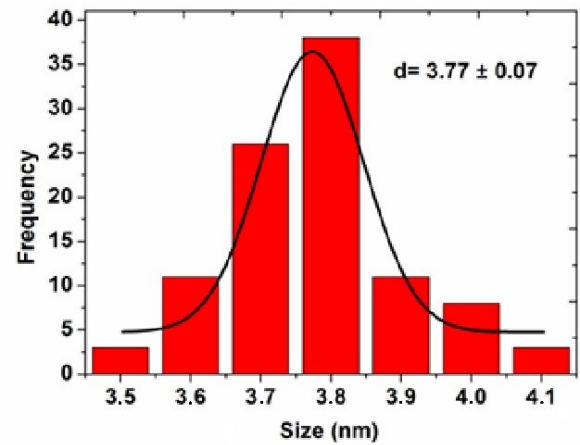
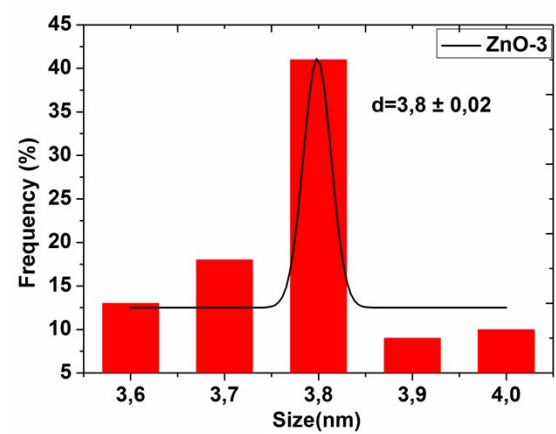
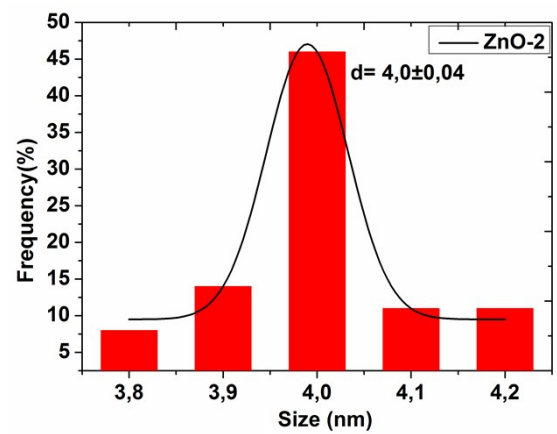
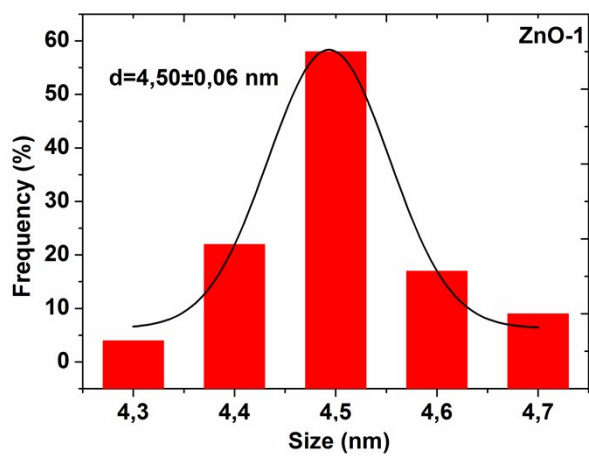
Supporting Figure 5: Thermal analysis of the synthesized ZnO QDs



Supporting Figure 6: ¹H NMR spectra of the water soluble Gluconate@ZnO QDs



Supporting Figure 7: Stability observation of the Oleate@ZnO QD in EtOH (a-b-c) and CHCl₃ (d-e-f) during 6 month with their TEM analysis after storage



Supporting info 8: Particle size distribution of the ZnO-1, ZnO-2 ,ZnO-3 and ZnO-4 obtained from TEM investigation