

Photocatalytic degradation of single and binary mixture of brilliant green and rhodamine B dyes by zinc sulphide quantum dots

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Supplementary Information

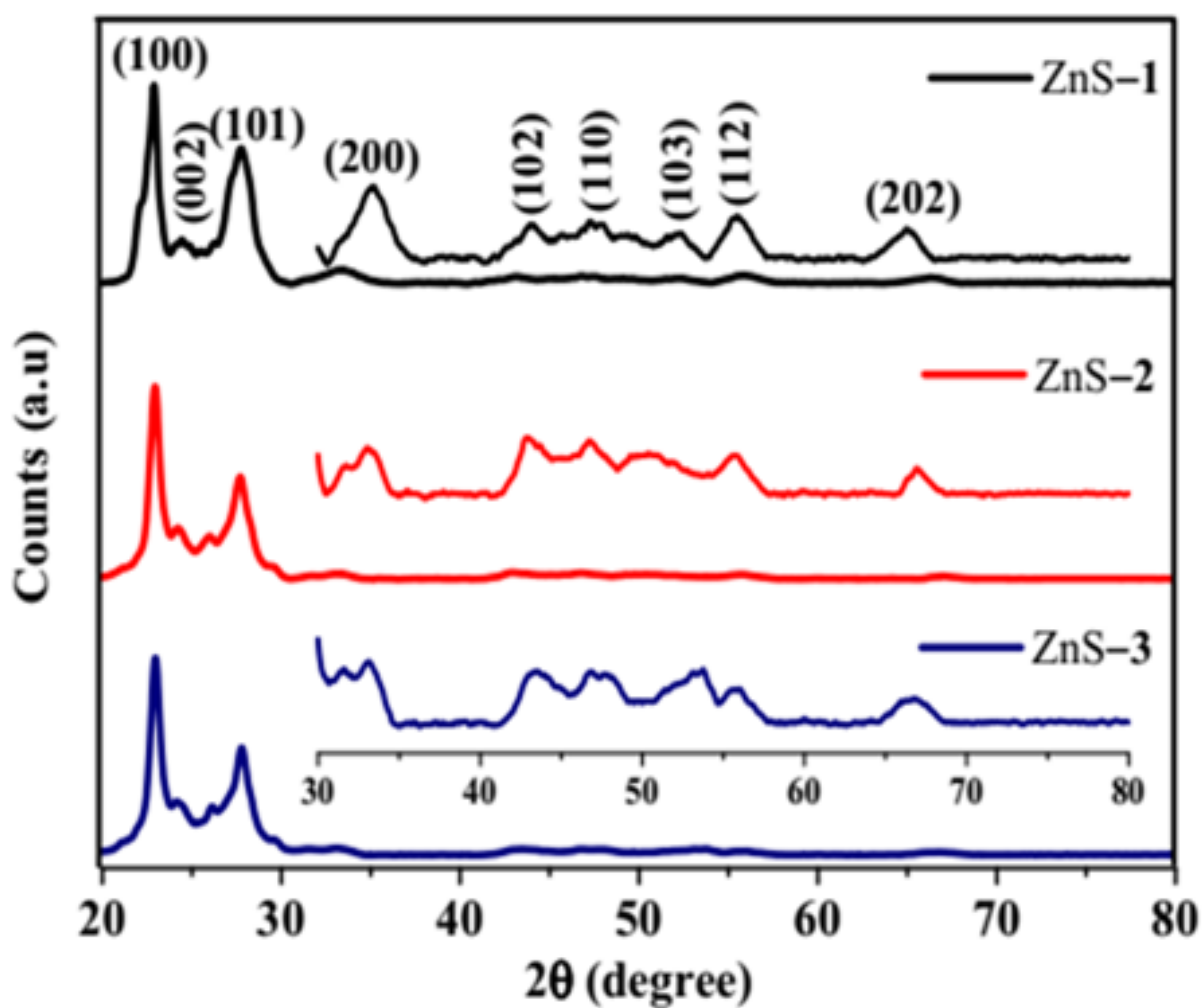


Figure S1: Powder X-ray diffraction patterns of ZnS quantum dots prepared at 30 min (ZnS-1), 1 h (ZnS-2) and 2 h (ZnS-3)

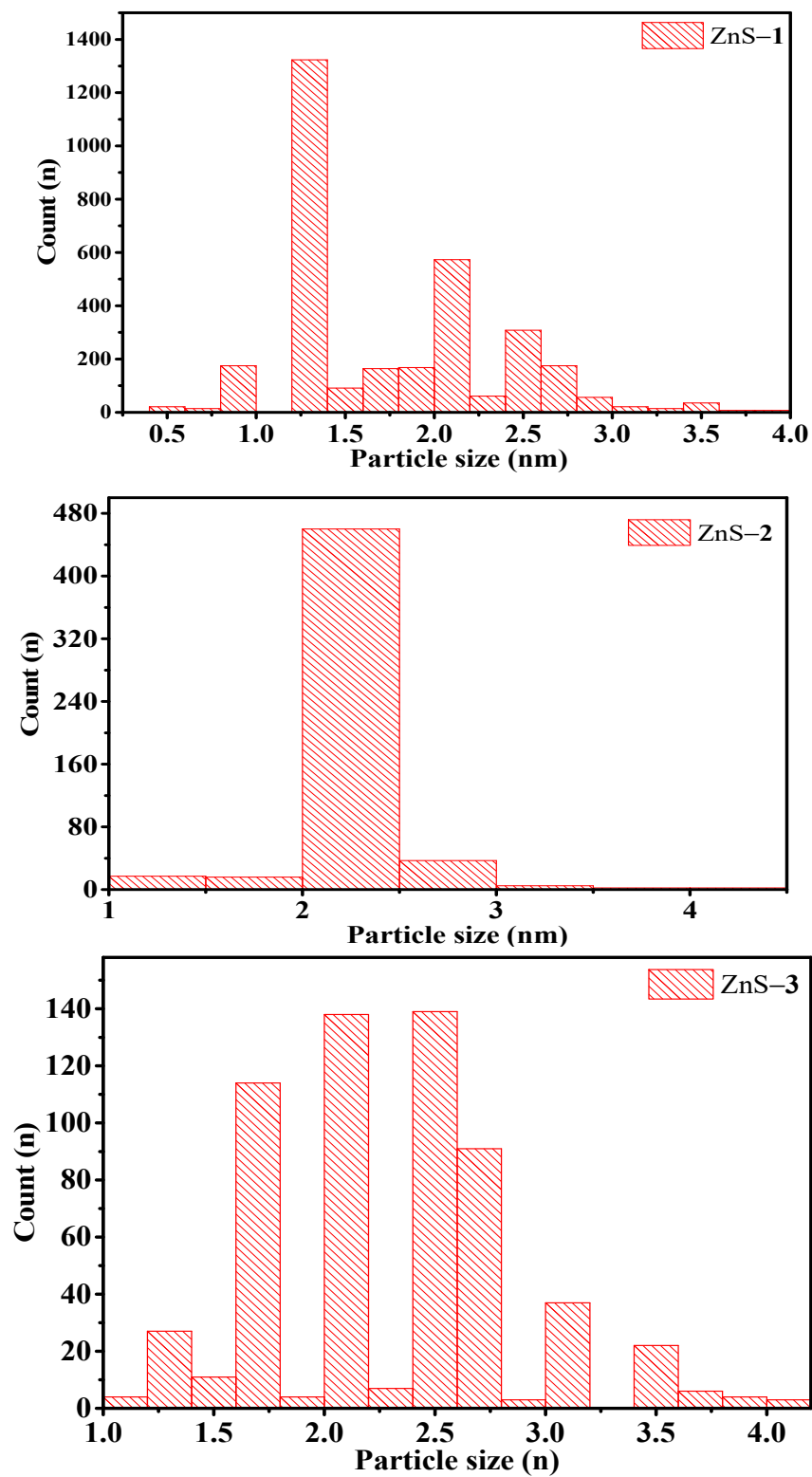


Figure S2: Particle size distributions of the ZnS nanoparticles

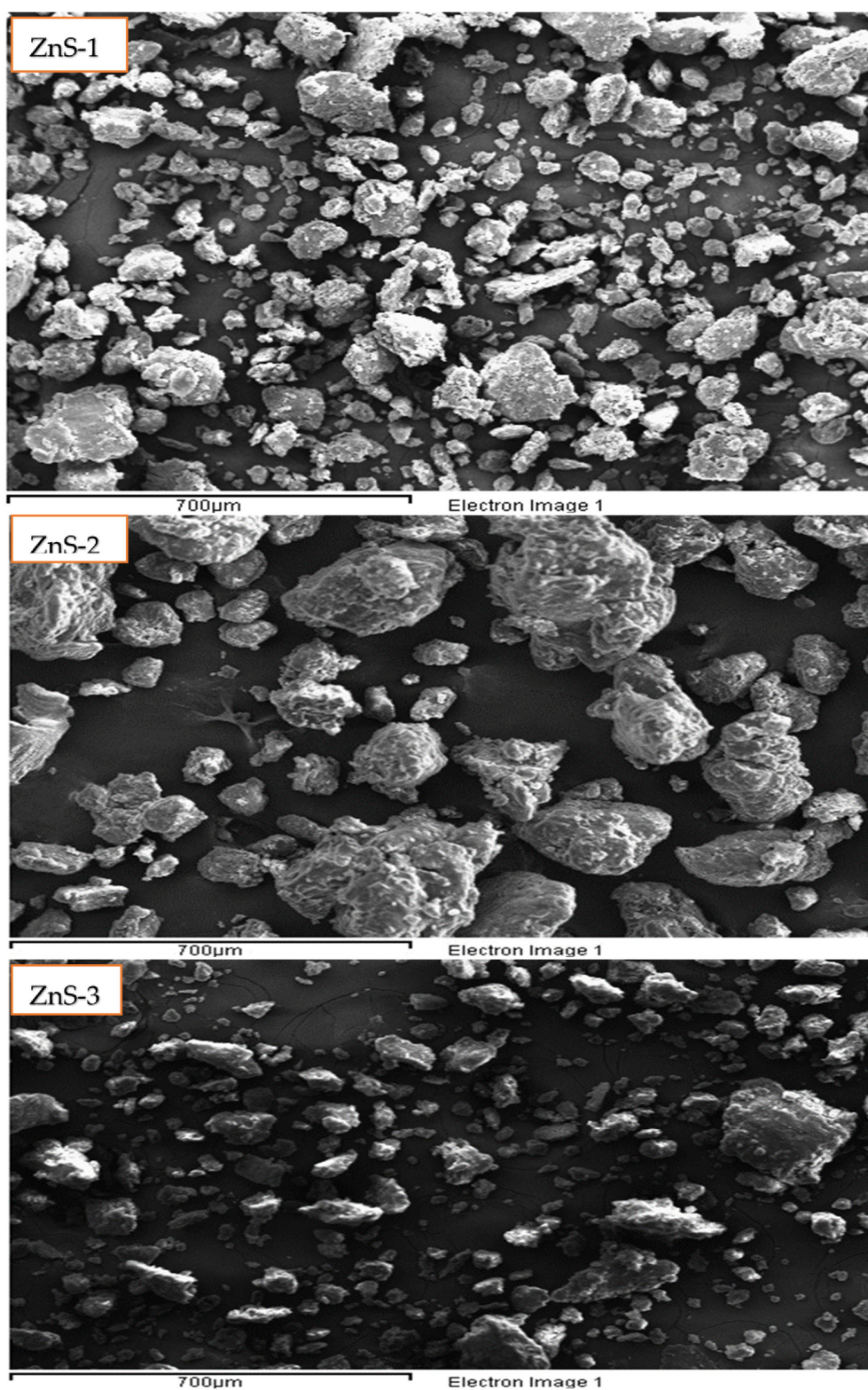


Figure S3: SEM images of the ZnS quantum dots

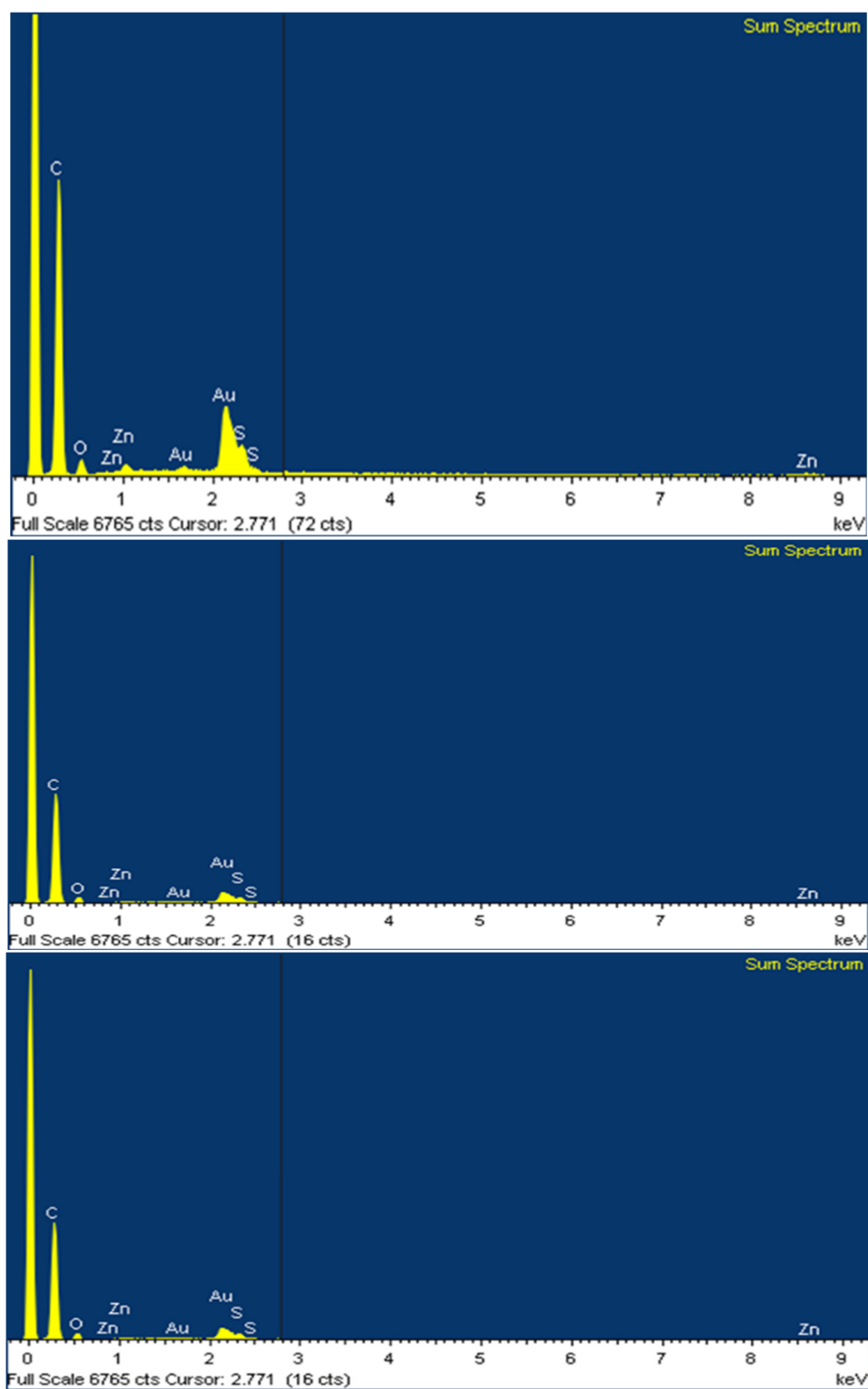


Figure S4: EDX spectra of the ZnS quantum dots

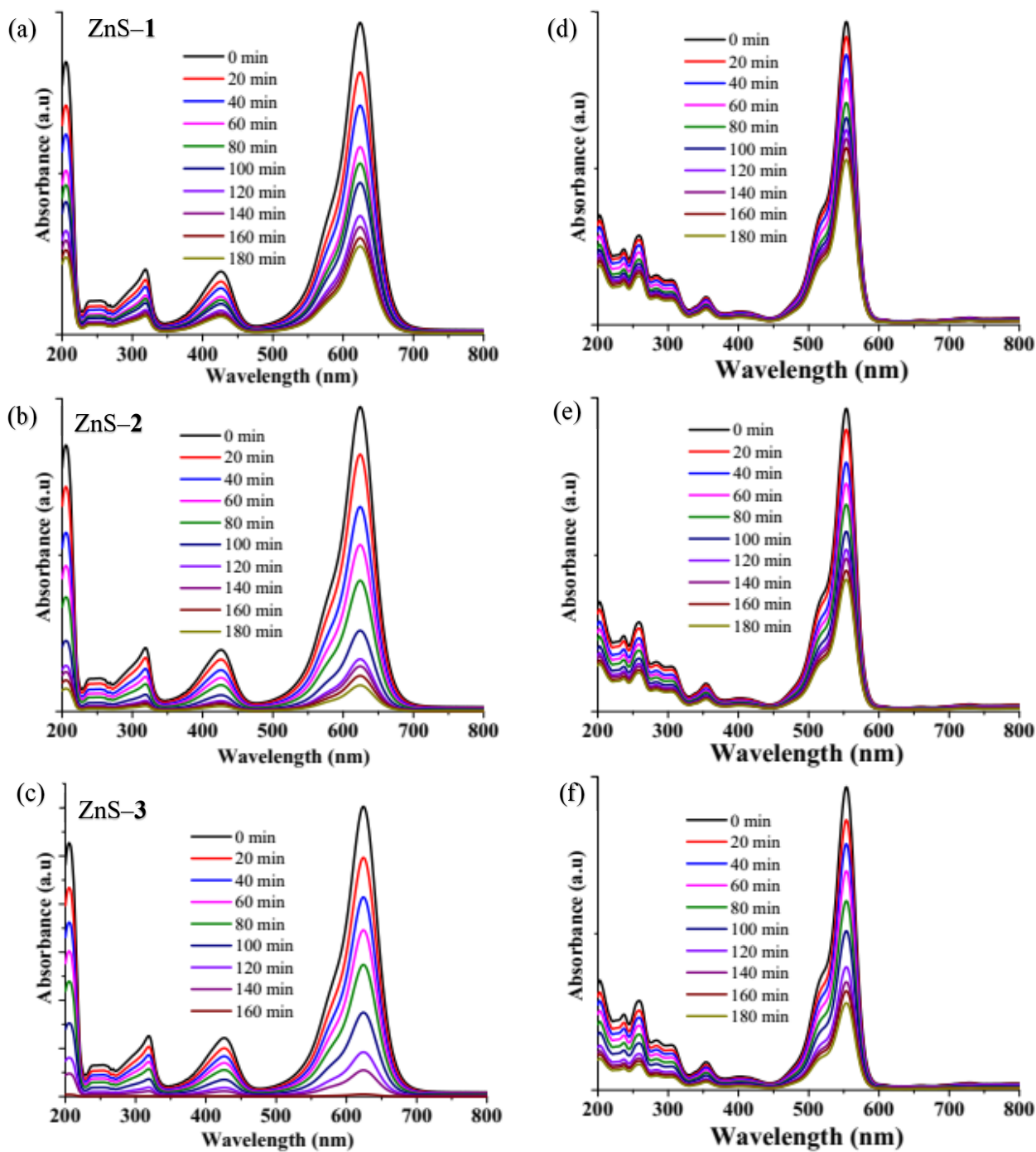


Figure S5: Absorption spectra of brilliant green (a-c) and rhodamine B (d-f) over ZnS quantum dots

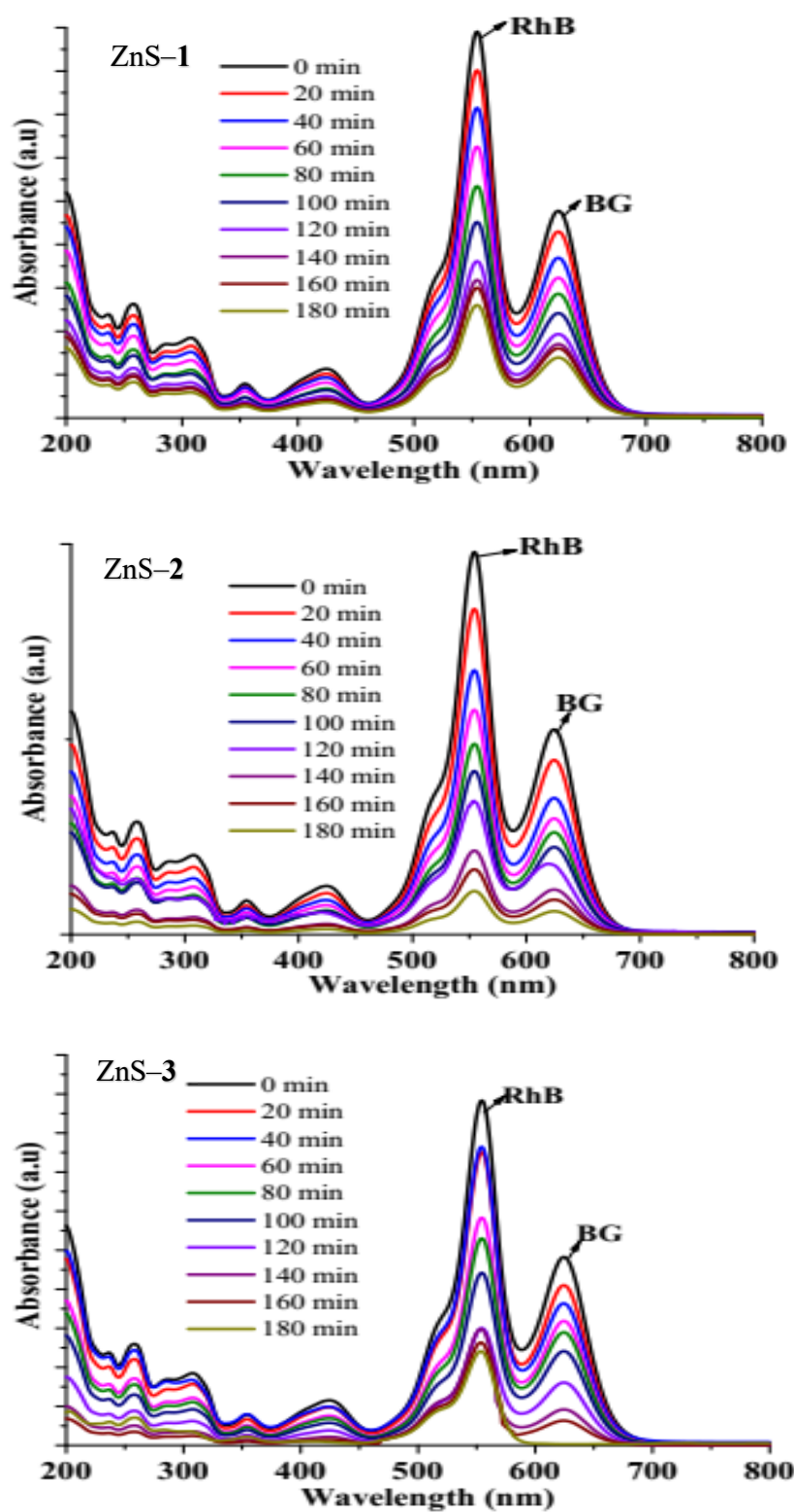


Figure S6: Absorption spectra of BG–RhB degradation over ZnS quantum dots