

Effect of Annealing on the Defect-mediated Blue Phosphorescence in ZnO Nanocrystals

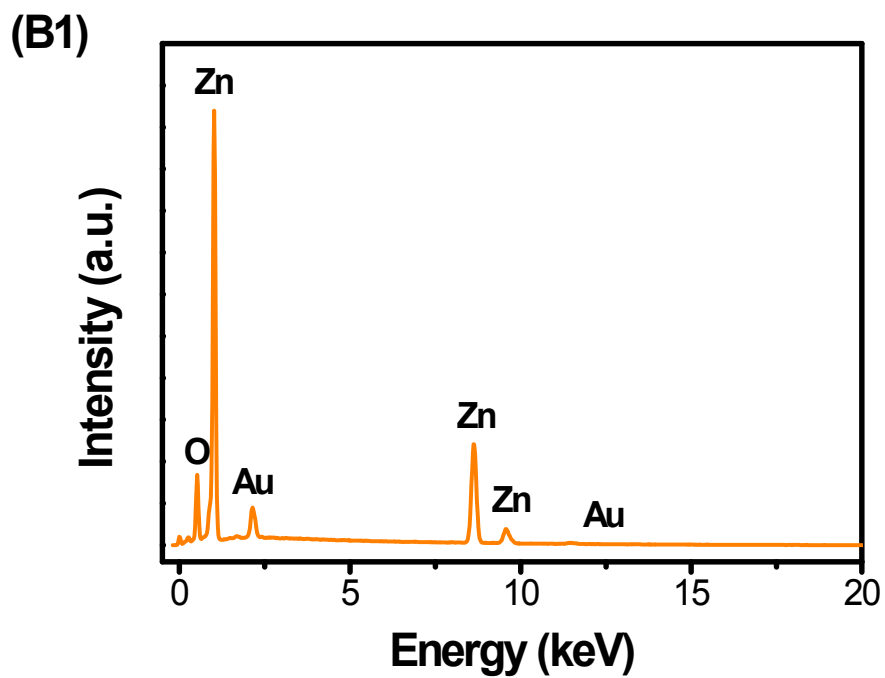
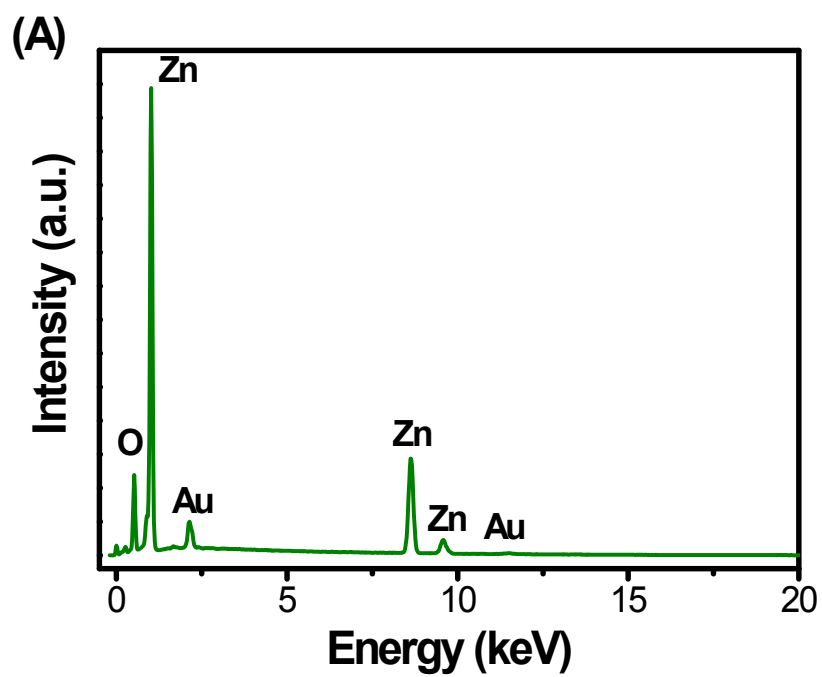
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Electronic Supplementary Information

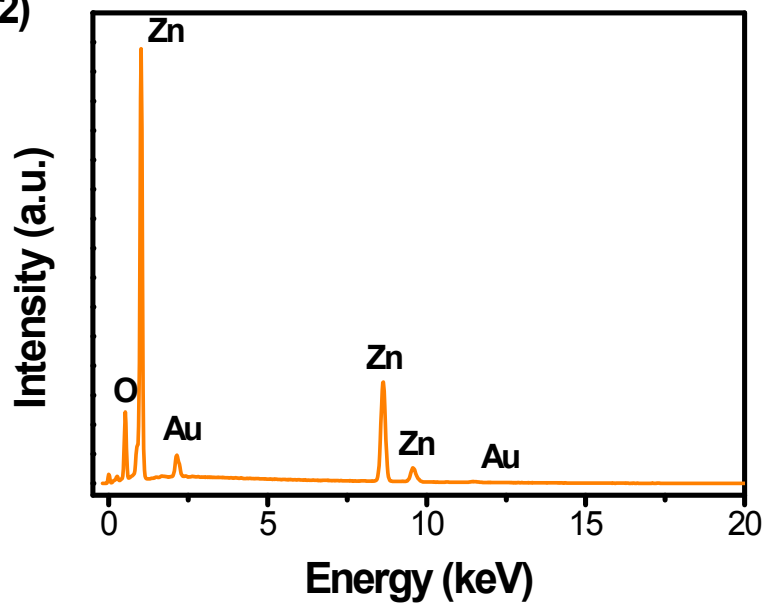
ESI-Table-1: Raman peaks of BZ150, BZ350, BZ450, BZ550, BZ650, BZ750, BZ850.

Sample	E2(low)	2E2(low)	A1(TO)	E2(high)	E1(LO)	Peak6	E2(LO)
BZ150	106	208	389	442	586	1058	1142
BZ350	104.6	210	387	442	588	1052	1152
BZ450	102	205	390	445	589	1056	1155
BZ550	104	204	387	443	589	1055	1154
BZ650	95	221	392	451	588	-----	1163
BZ750	103	214	387	444	590	-----	1156
BZ850	109	210	394	445	591	-----	1156

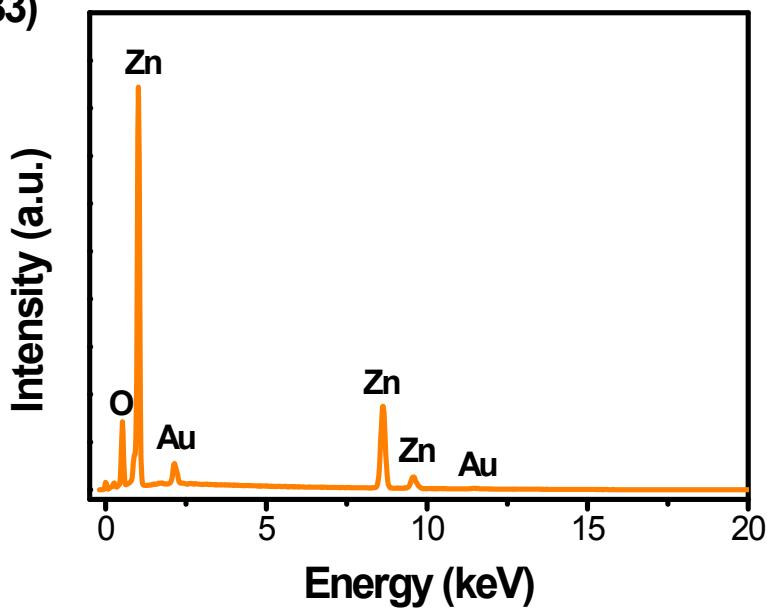
ESI-Fig. I: EDX spectra of (A) BZ150, (B1) BZ550-Ar, (B2) BZ550, (B3) BZ550-O2, (C) BZ850R.



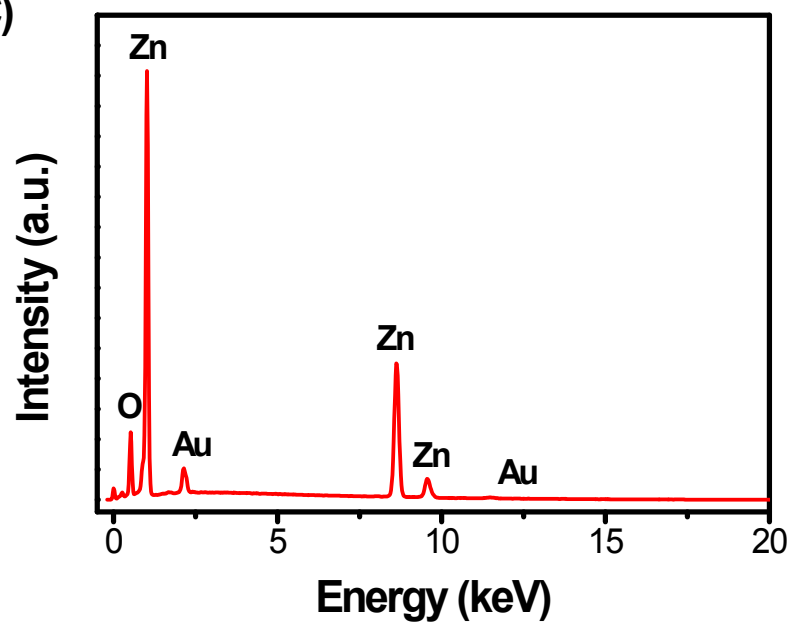
(B2)



(B3)

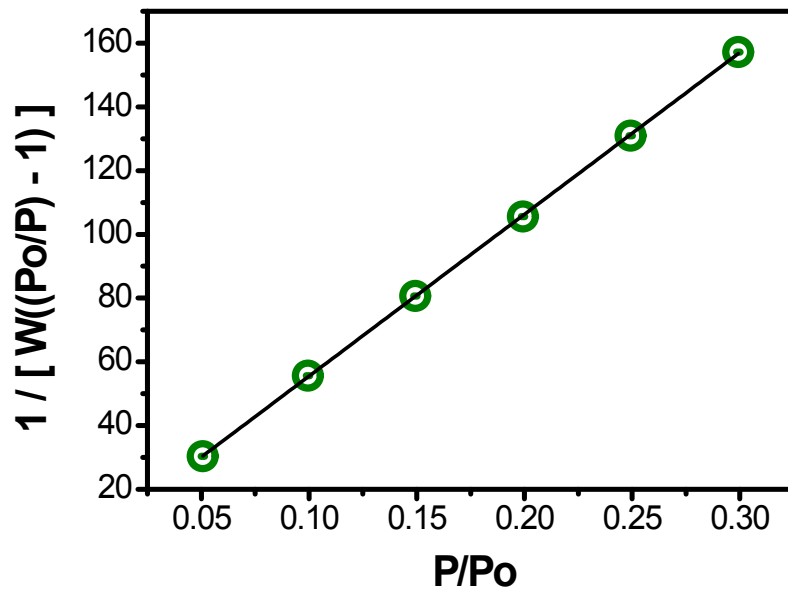


(C)

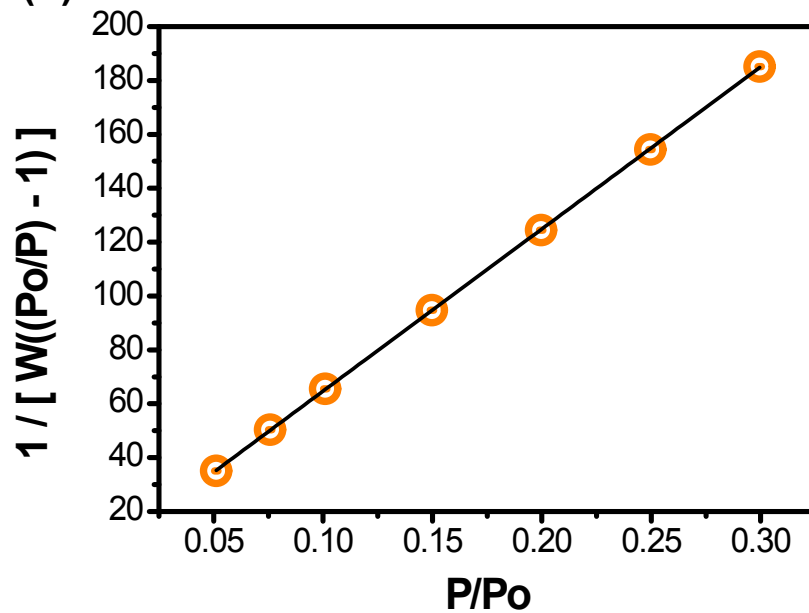


ESI-Fig. II: BET Plots of (A) BZ150, (B) BZ550, (C) BZ850.

(A)



(B)



(c)

