

Supplementary Information

An amino acid-based swift synthesis of zinc oxide nanostructures

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Table S1 XRD Peaks Intensity Ratio of Zinc Oxide Samples

ZnO sample (by synthesis conditions)			XRD peaks intensity ratio, $I_{(002)}/I_{(100)}$
Temperature (°C)	[Zn ²⁺] (mM)	[lys]/[Zn ²⁺]	
27	24	2.25	0.40
27	24 ^a	2.25	0.60
27	24	2.25 ^b	0.98
27 ^c	24	2.25	0.56
27 ^c	24 ^a	2.25	0.60
27	8	2.25	0.31
27	16	2.25	0.37
27	32	2.25	0.50
70(ZnO-A)	8	2.25	0.39
70(ZnO-B)	24	2.25	0.44
70(ZnO-C)	24	2.25	0.78

a-using zinc acetate; b-using NaOH; c- calcined at 400 °C in dynamic air atmosphere for 3 h

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