

Supporting Information for

Ultra-rapid formation of ZnO hierarchical structures from dilution– induced supersaturated solutions

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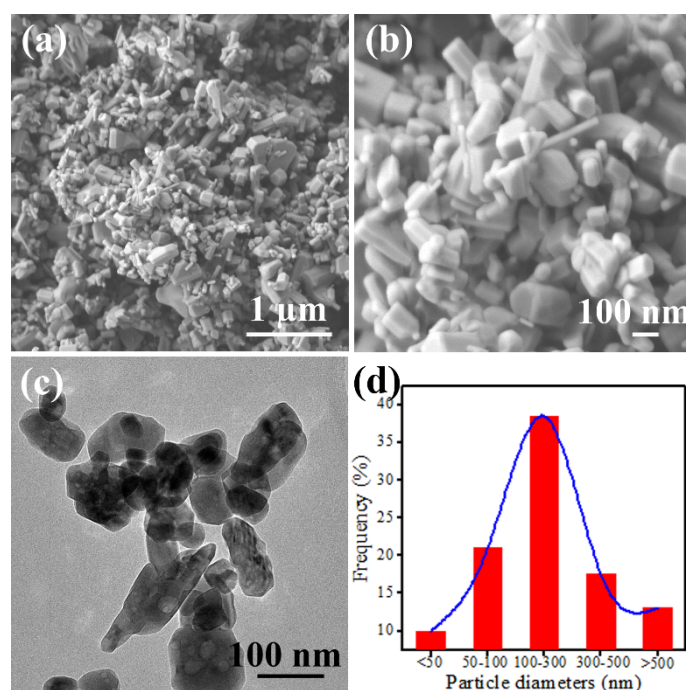


Fig. S1 SEM (a, b), TEM images (c) and particle size distribution (d) of the commercial ZnO powders. The size distribution was estimated by directly measuring about 200 particles from the typical SEM images.

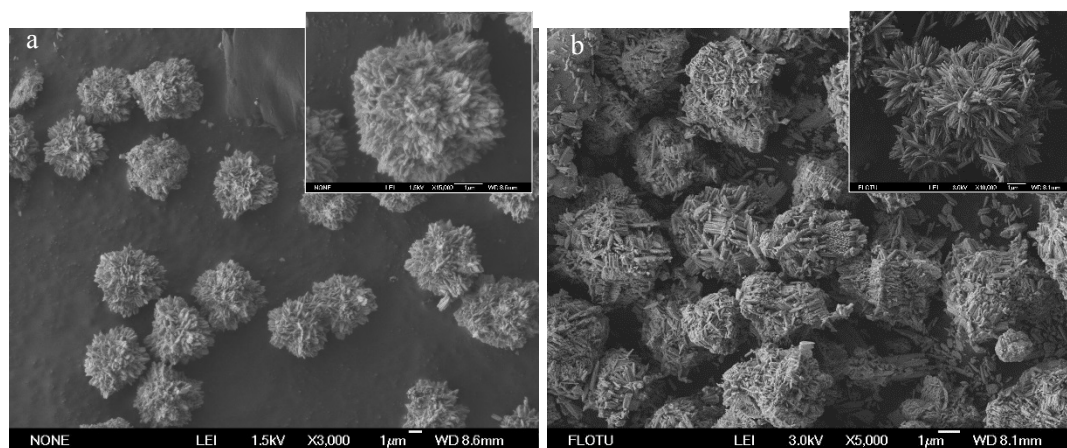


Fig. S2 SEM images of the samples formed at different S tuned by $[\text{OH}^-]/[\text{Zn}^{2+}]$. $[\text{OH}^-]/[\text{Zn}^{2+}]$: (a) 4.0 ($S=2.86$); (b) 12.0 ($S=1.77$).

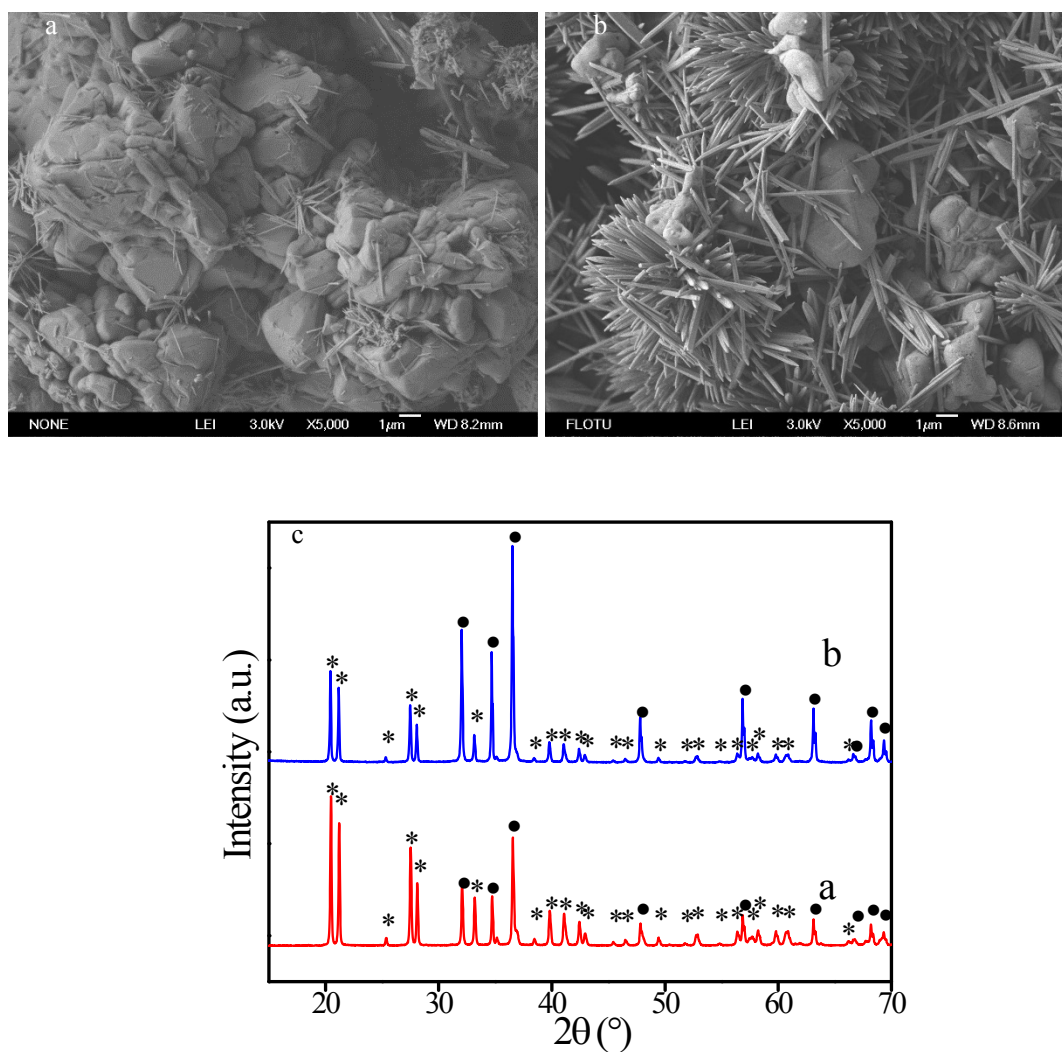


Fig. S3 SEM image (a, b) and XRD patterns (c) of the samples formed at different reaction time: (a) 30 min; (b) 1 h. Conditions: $\alpha=25$, $[\text{OH}^-]/[\text{Zn}^{2+}]=6.78:1$ and $S=1.26$.

●:ZnO, *:ε-Zn(OH)₂.