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PAPER

## Microstructure, growth process and enhanced photocatalytic activity of hierarchical ZnO nanostructures

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### Supporting information

Fig. S1 is the EDS spectrum of the ZnO BNRs.

Fig. S2 is the SEM image recorded from the top section of a ZnO NR after the second hydrothermal growth.

Fig. S3 is the XRD pattern of the ZnO film produced by magnetron sputtering.

Fig. S4 is the TEM image of the ZnO BNRs.

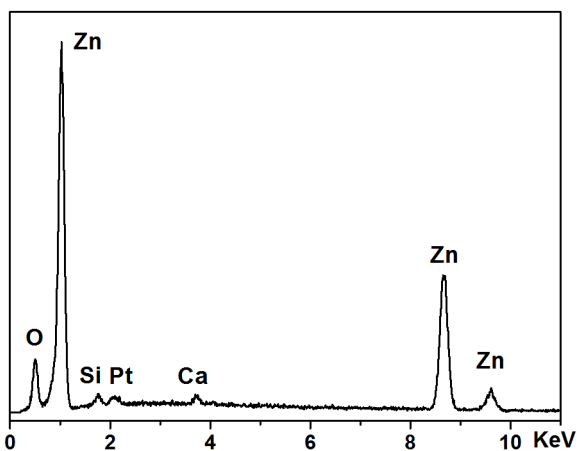


Fig. S1 EDS spectrum of the ZnO BNRs.

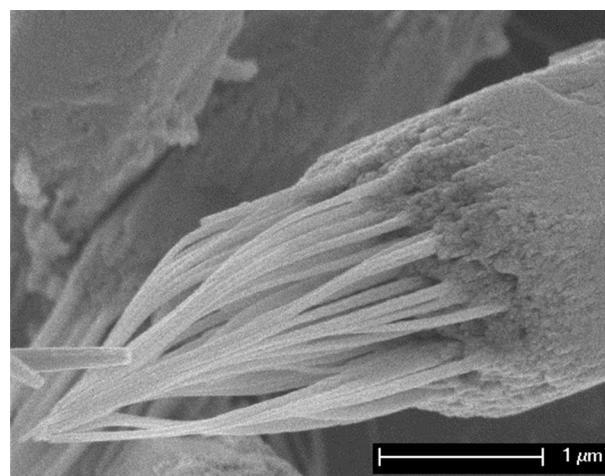


Fig. S2 SEM image recorded from the top section of a ZnO NR after the second hydrothermal growth.

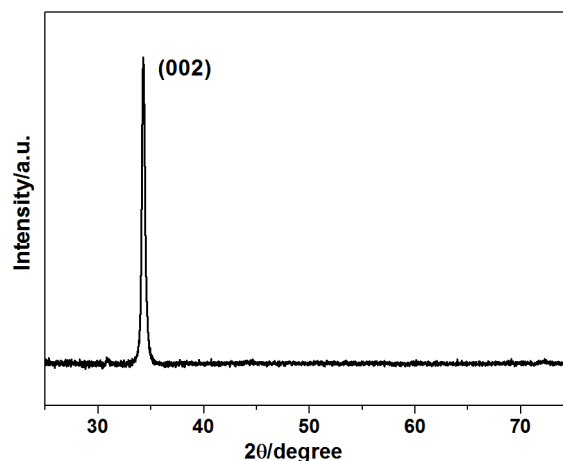
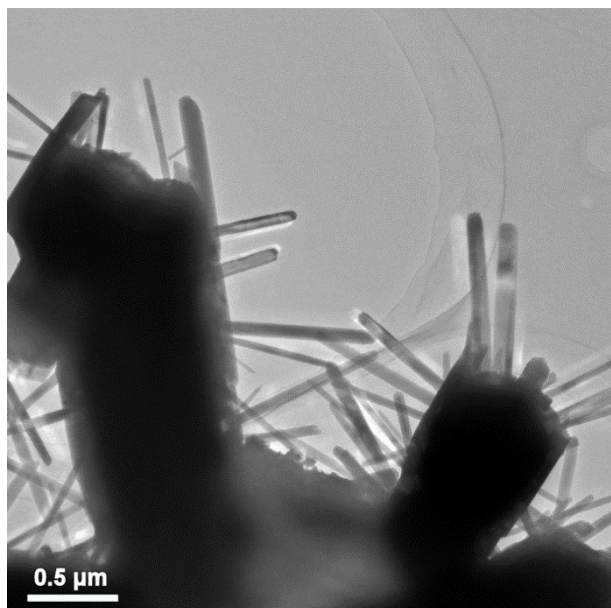


Fig. S3 XRD pattern of the ZnO film produced by magnetron sputtering.



**Fig. S4** TEM image of the ZnO BNRs.

## Notes

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