Supplementary Information

Is the effect of surface modifying molecules on antibacterial activity universal for a given material?

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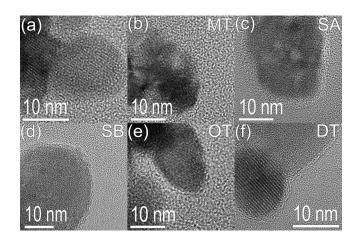


Figure S1 TEM images of A-ZnO nanoparticles with different surface modifications: a) none b) MT, c) SA, d) SB, e) OT, f) DT.

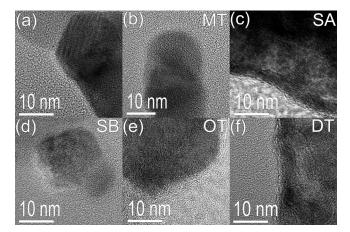


Figure S2 TEM images of B-ZnO nanoparticles with different surface modifications: a) none b) MT, c) SA, d) SB, e) OT, f) DT.

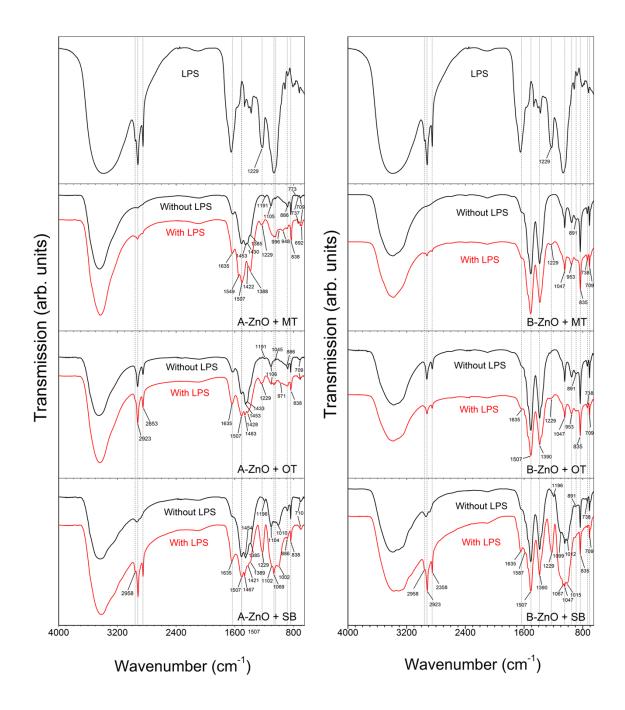


Figure S3 FTIR spectra of ZnO nanoparticles before and after exposure to LPS. A-ZnO samples are on the left, B-ZnO on the right, and the FTIR spectra of pure LPS are also shown for comparison.