

Supplementary Material

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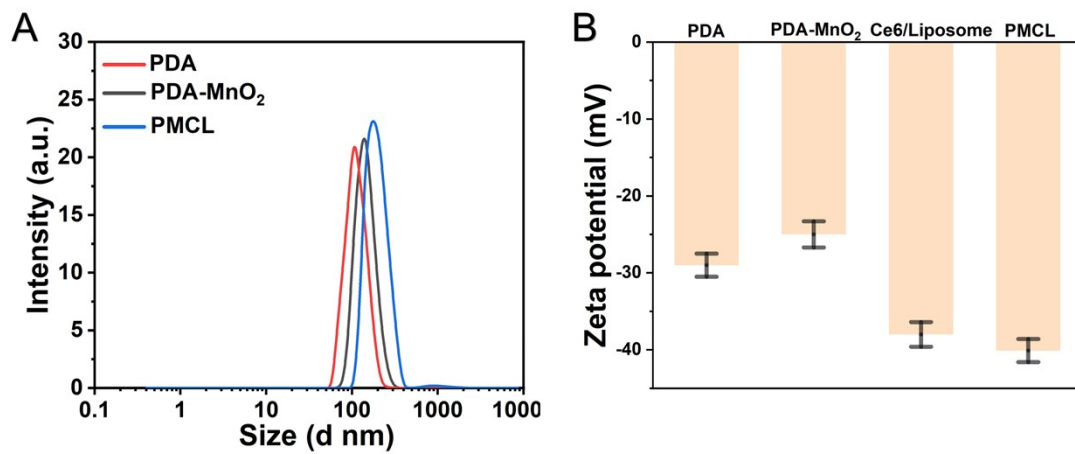


Fig. S1. (A) Size distribution and (B) ζ potential of PDA, PDA-MnO₂, Ce6/liposome, and PMCL.

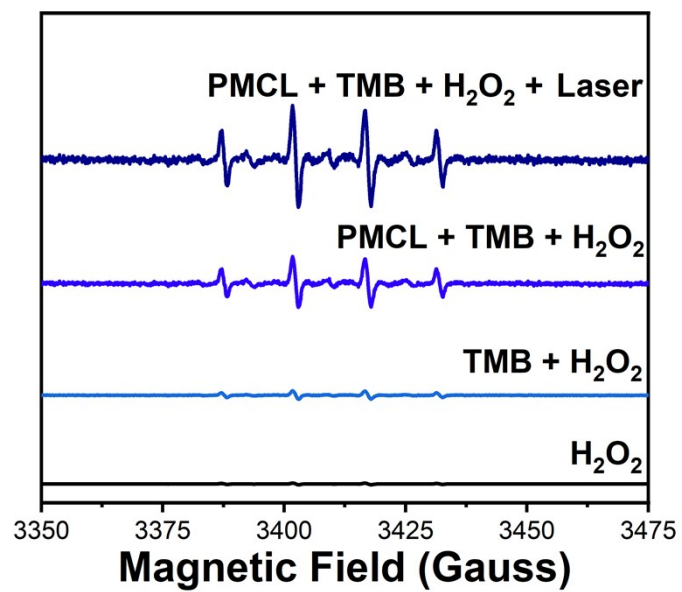


Fig. S2. ESR spectra of different groups with DMPO as $\bullet\text{OH}$ trapping agent (PMCL + TMB + H₂O₂ + Laser, PMCL + TMB + H₂O₂, TMB + H₂O₂ and H₂O₂).

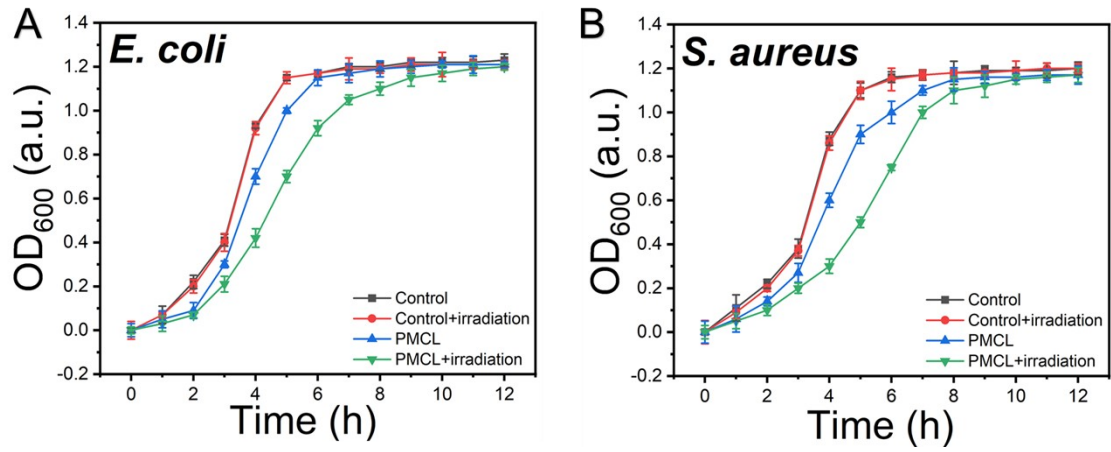


Fig. S3. Growth curve of *E. coli* (A) and *S. aureus* (B) treated with PMCL with or without laser irradiation.

