

Fig. S1 XPS spectra of O 1s core level of (a)-(c): pure ZnO nanorods annealed at 400, 500, 600°C respectively; (d)-(e): Cu(CH₃COO)₂-coated ZnO nanorods annealed at 400, 500, 400°C respectively.

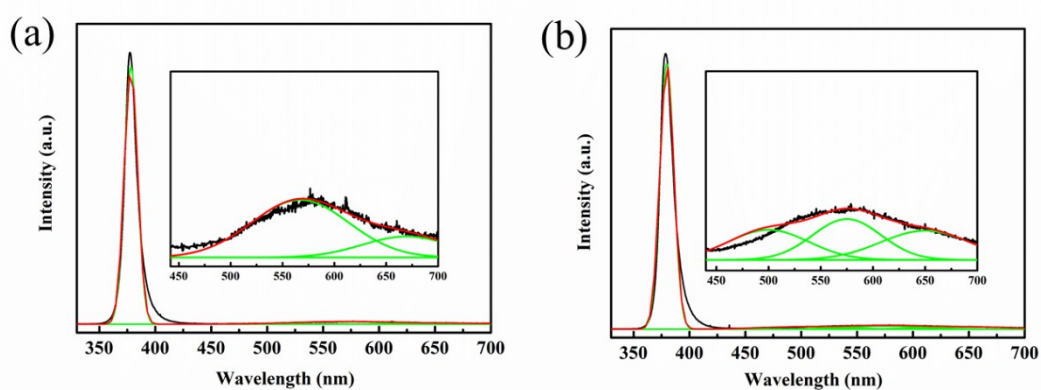


Fig. S2 PL spectra of samples annealed at 400°C: (a) pure ZnO nanorods; (b) Cu(CH₃COO)₂-coated ZnO nanorods.

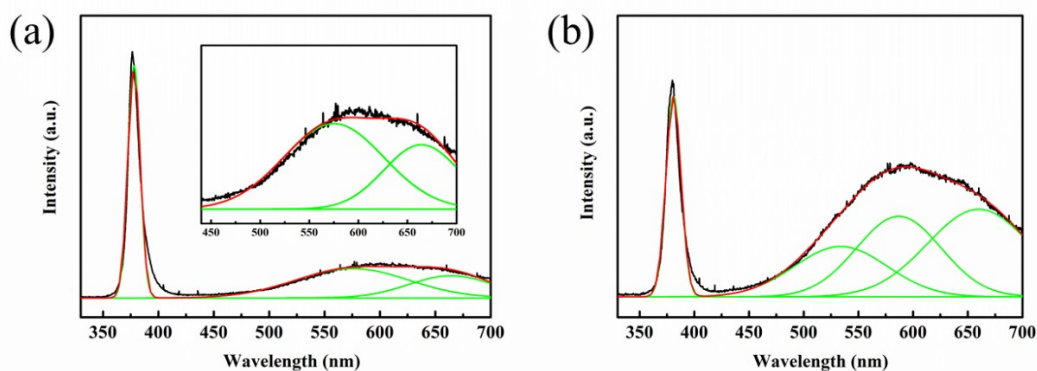


Fig. S3 PL spectra of samples annealed at 500°C: (a) pure ZnO nanorods; (b) Cu(CH₃COO)₂-coated ZnO nanorods.

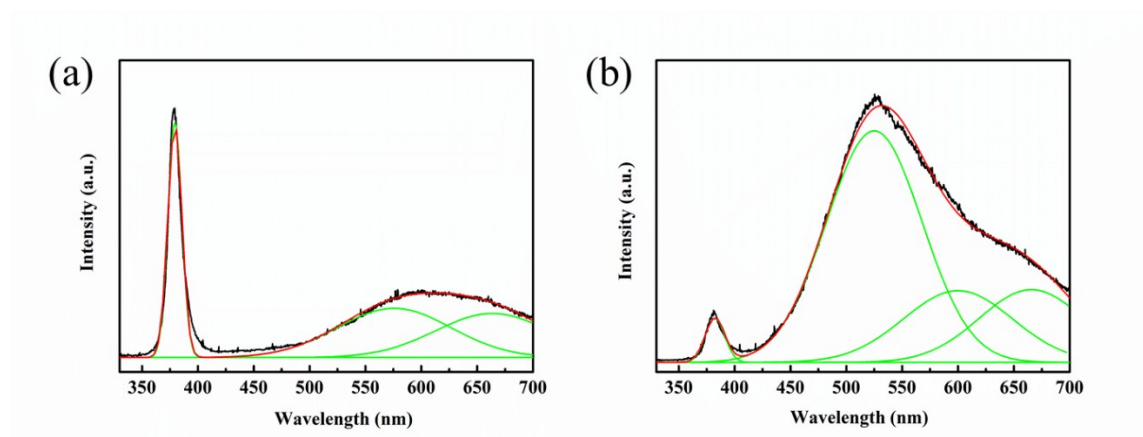


Fig. S4 PL spectra of samples annealed at 600°C: (a) pure ZnO nanorods; (b) $\text{Cu}(\text{CH}_3\text{CO})_2$ -coated ZnO nanorods.