

Supplementary Materials

Table S1. Summarise glance of literature of Cu-TiO₂ for Antimicrobial disinfection.

Sample	Synthesis Process	Concentration	Illumination	Reference
CuO/TiO ₂	sol-gel electrospinning technique	5 wt%	Visible light	[33]
Cu/TiO ₂	Dip-coating technique	-	UV light	[34]
Cu ₀ -TiO ₂	electrospinning technique and hydrothermal process	0.025M	Visible light	[35]
Cu-TiO ₂	Modified ammonia- evaporation- induced synthetic method	2 %	Visible light	[36]
F, Cu co doped TiO ₂	Sol-Gel synthesis	-	Visible light	[37]
Cu-TiO ₂	Sol-Gel synthesis	3 mol%	Visible light	[38]
Cu/TiO ₂	Sol-Gel synthesis	3 %	Visible light	[39]

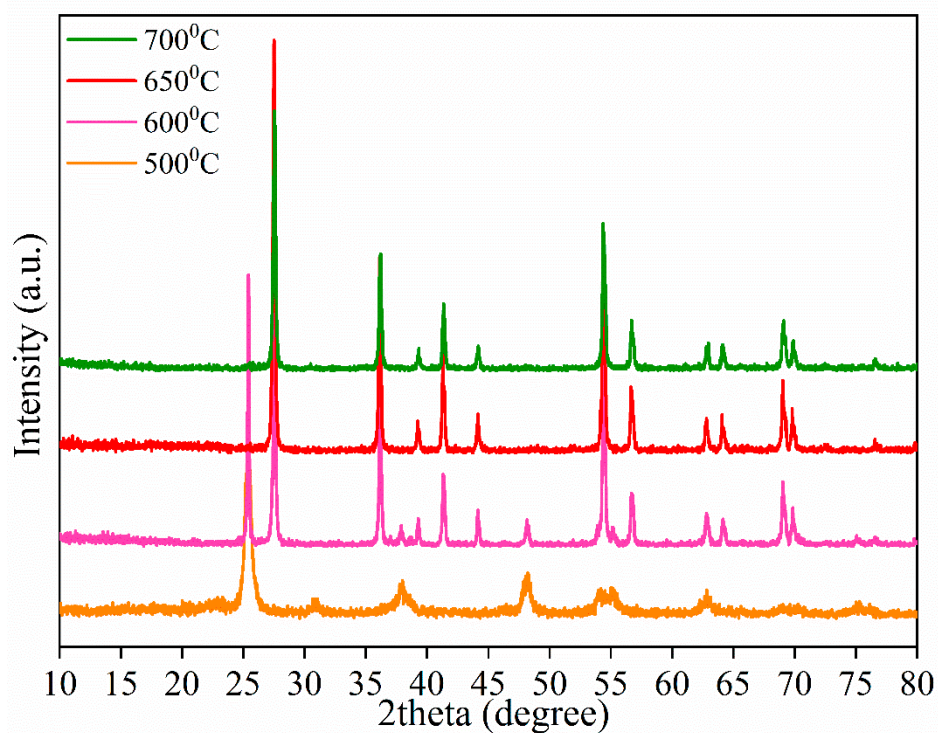


Figure S1. XRD profiles of undoped TiO₂ at different temperatures.