

Synthesis of novel fluorescent glutathione-capped silver nanoclusters with enhanced antibacterial activity

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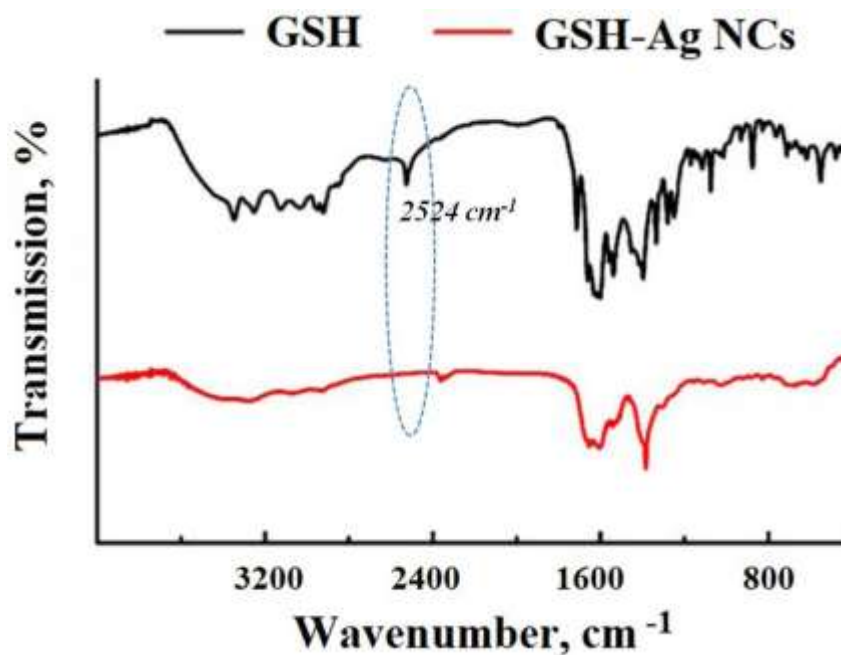


Figure S1. FTIR spectra of GSH and GSH-Ag NCs. The S–H stretching vibration at 2524 cm⁻¹ in free GSH is absent in the GSH-Ag NCs. GSH features in the region 2000–400 cm⁻¹ confirm the presence of GSH protection of the nanocluster.

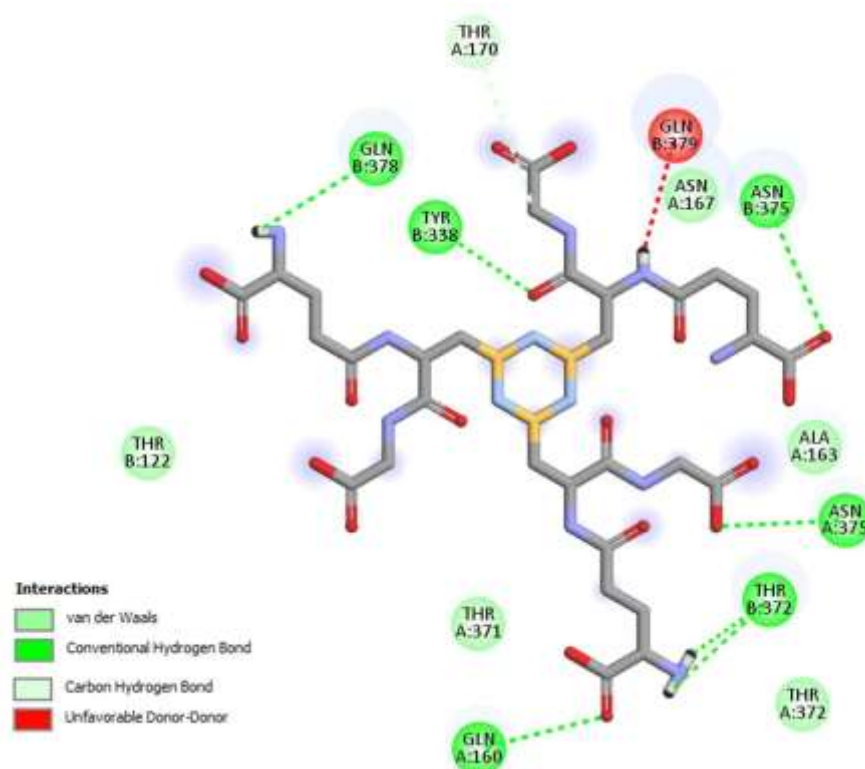


Figure S2. 2D interactions of Ag-SG NCs with amino acid residues of the conserved entrance aperture of TolC.

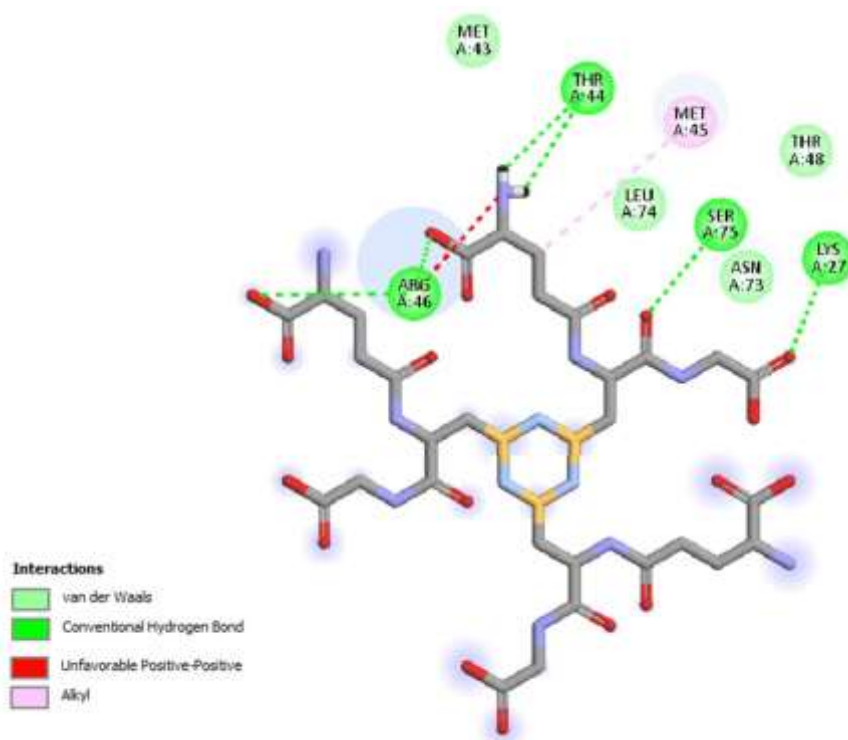


Figure S3. 2D interactions of Ag-SG NCs within the active site of cation efflux system protein CusF.

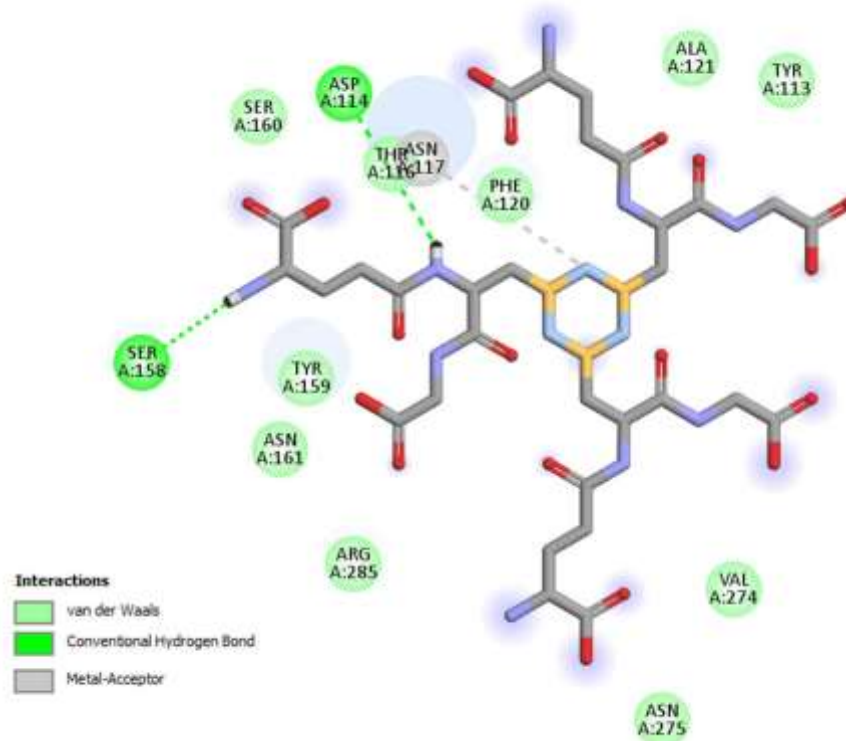


Figure S4. 2D interactions of Ag-SG NCs within the active site of D-alanyl-D-alanine carboxypeptidase.