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**LIST OF ABBREVIATIONS**

CLGNs	: Coral-liked gold nanostructures
NLGNs	: Needle-liked gold nanostructures
CLGPs	: Coral-liked gold nanoporous
SERS	: Surface enhanced Raman scattering
nm	: Nanometer
AgCl	: Silver chloride
$\text{AgCl}_2^-$	: Silver chloride ion complex
Ag	: Argentum (silver)
$\text{AuCl}_4^-$ , $\text{Au}^{3+}$	: Gold(III) chloride
NaBr	: Sodium bromide
NaCl	: Sodium chloride
HCl	: Hydrochloric acid
Au	: Gold
R6G	: Rhodamine 6G
CV	: Crystal violet
CTAB	: Alkyltrimethylammonium bromides
CTAC	: Cetyltrimethylammonium chloride
CPC	: Cetylpyridinium chloride
PVP	: Poly (vinyl pyrrolidone)
$\mu\text{L}$	: Microlite (volume)
ppm	: Parts per million (concentration, mg/L)
M	: Molar (concentration, mol/L)
SEM	: Scanning electron microscopy
UV-vis	: UV-visible
LMCT	: Ligand-to-metal-charge-transfer
UV	: Ultraviolet (light)
EDS	: Energy-dispersive X-ray spectrometer