Effective replacement of cetyltrimethylammonium bromide (CTAB) by mercaptoalkanoic acids in the gold nanorods (AuNRs) surfaces in aqueous solutions

Rafael del Caño,Jose M. Gisbert-González,Jose González-Rodríguez,Guadalupe Sánchez-Obrero,Rafael Madueño,Manuel Blázquez,Teresa Pineda
Figure S1. TEM micrographs of CTAB-AuNRs of two aspect ratios (A, B: synthesis 1, and C, D: synthesis 2). (E) Size distribution corresponding to synthesis 1 (a) and 2 (b).

Figure S2. UV-visible spectra of (a) MUA-AuNRs and (b) MHDA-AuNRs taking at the time of ligand exchange procedure and after more than one-year modification.
Figure S3. Deconvolution of FTIR spectra in the wavenumber region restricted to carbonyl groups signals. (a) MUA, (b) MUA-AuNRs, (c) MHDA, (d) MHDA-AuNRs.