

Electrically Conductive Gold Films Formed By Sintering of Gold Nanoparticles at Room Temperature Initiated by Ozone

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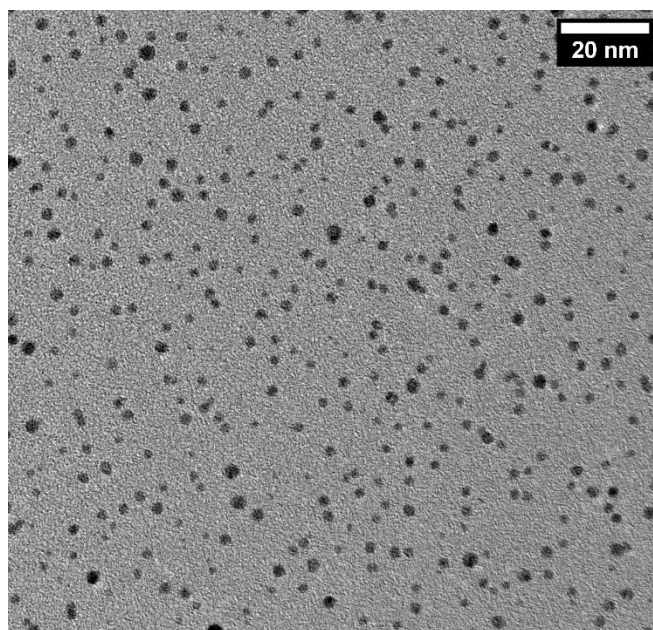


Fig S1. TEM image of drop cast BT@AuNPs

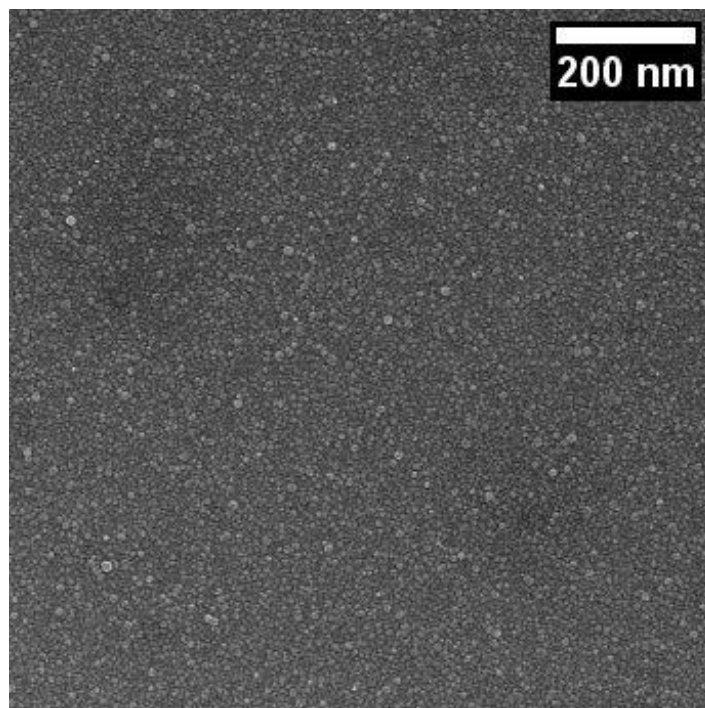


Fig S2. SEM image of drop cast BT@AuNPs (on silicon wafer).

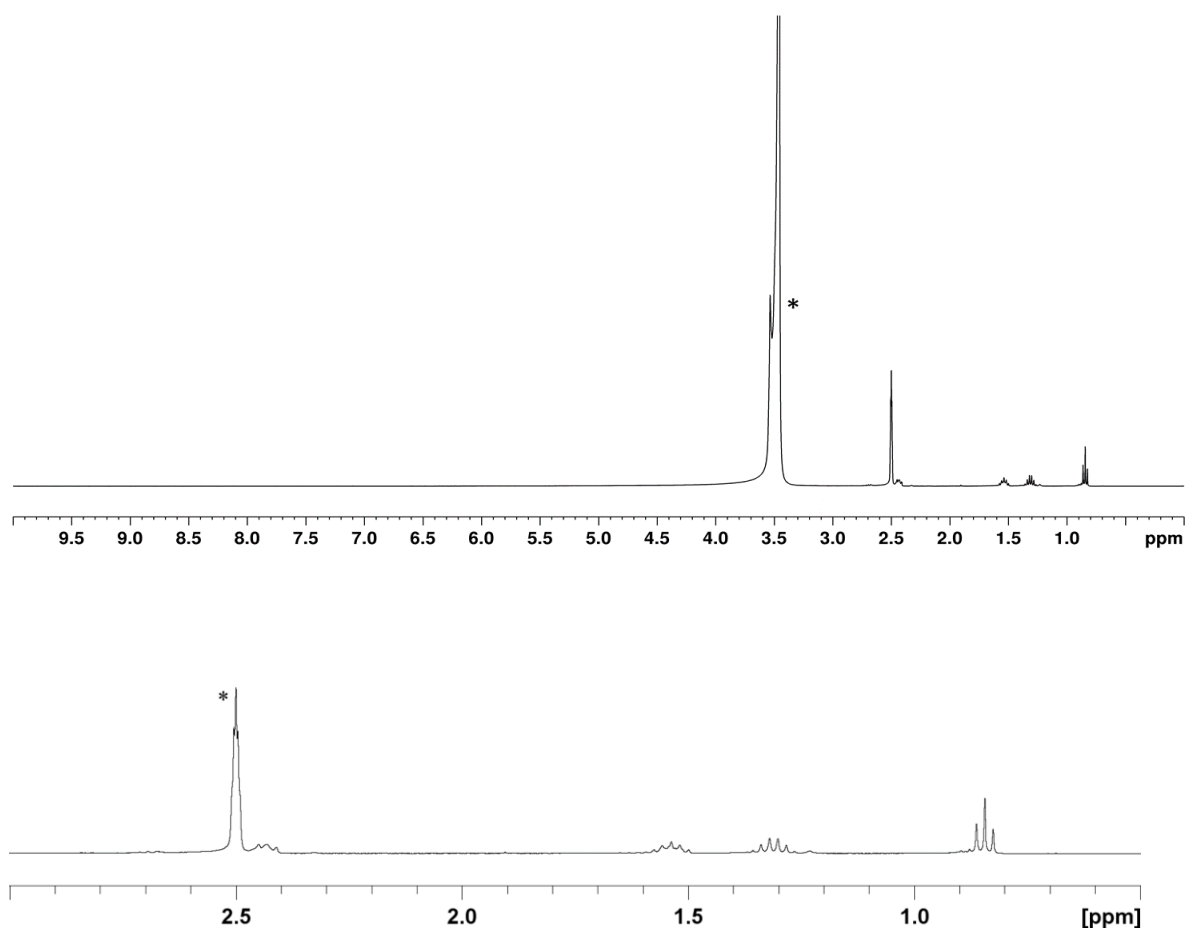


Fig S3. ^1H NMR spectra of the DMSO-soluble residue from ozone-induced sintered BT@AuNPs. Top: full range spectrum, Bottom: Signals in the range 0 – 3 ppm (* denotes residual DMSO at δ 2.49).

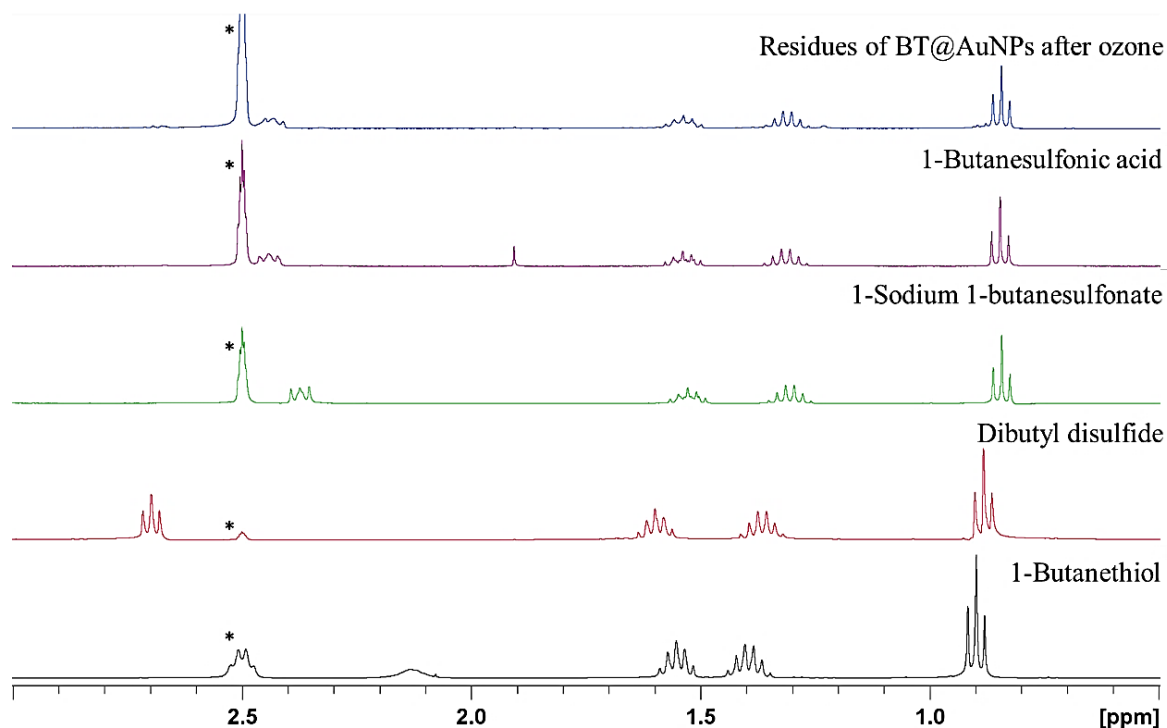


Fig S4. ^1H NMR spectra of the residue from ozone-induced sintered BT@AuNPs as well as spectra for 1-butanefulfonic acid, 1-sodium 1-butanefulfonate, dibutyl disulfide and 1-butanethiol (* denotes residual DMSO at δ 2.49).