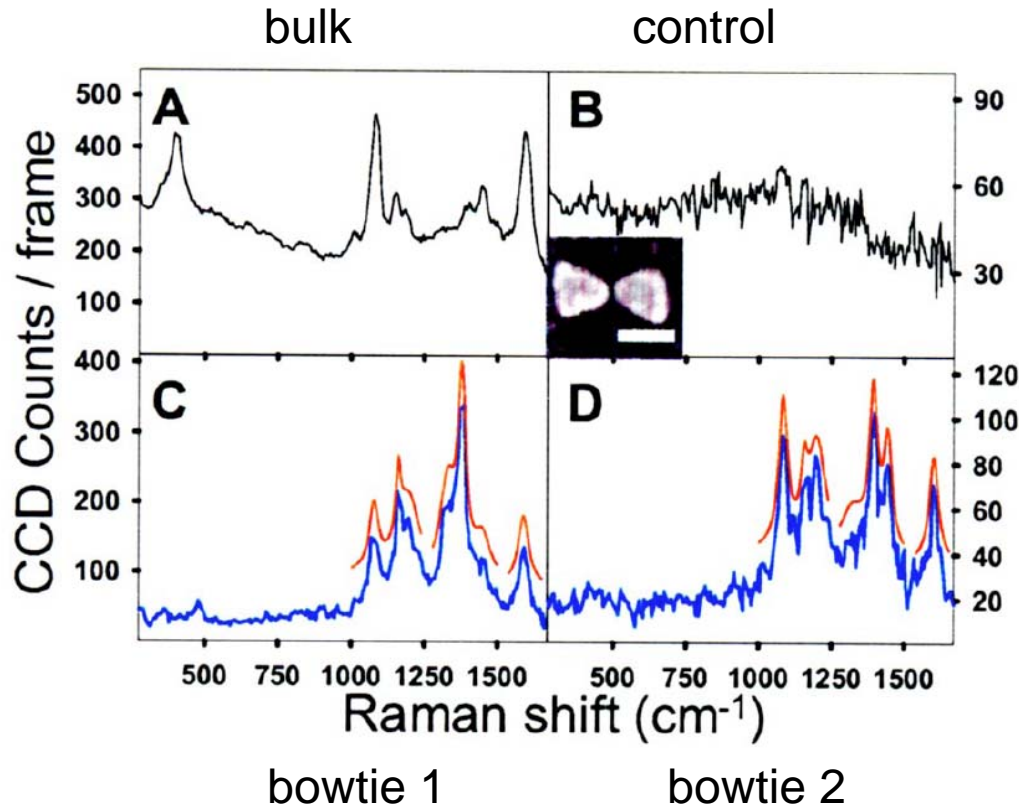


Exploring the chemical enhancement for surface-enhanced Raman scattering with Au bowtie nanoantennas

D. P. Fromm, A. Sundaramurthy, A.A. Kinkhabwala, P.J. Schuck, G.S. Kino, and W.E. Moerner, J. Chem. Phys. 124 (2006) 061101



- Fluctuating Raman signals from self-assembled monolayers of PMA on individual bowties have been observed, both in amplitude and frequency
- The known electromagnetic contribution allowed us for the first time to estimating the chemical enhancement to be ~ 30 for the monolayer