

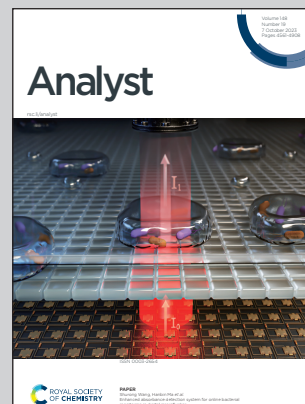


Showcasing research from Professor Simon Maher's laboratory ([www.liv.ac.uk/mass-spec](http://www.liv.ac.uk/mass-spec)), Department of Electrical Engineering and Electronics, University of Liverpool, UK.

Focusing ion funnel-assisted ambient electro spray enables high-density and uniform deposition of non-spherical gold nanoparticles for highly sensitive surface-enhanced Raman scattering

A novel ambient focusing ion funnel coupled with electro spray deposition (FIF-ESD) was designed to enable direct, intact, large-area, high-density and uniform deposition of nanoparticles (NPs), which was used to fabricate a high-performance nanoplasmonic substrate for SERS analysis. Image designed and illustrated by authors: Barry Smith, Baris Akbali and Simon Maher.

As featured in:



See Simon Maher *et al.*, *Analyst*, 2023, 148, 4677.