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Wednesday, March 1, 2023

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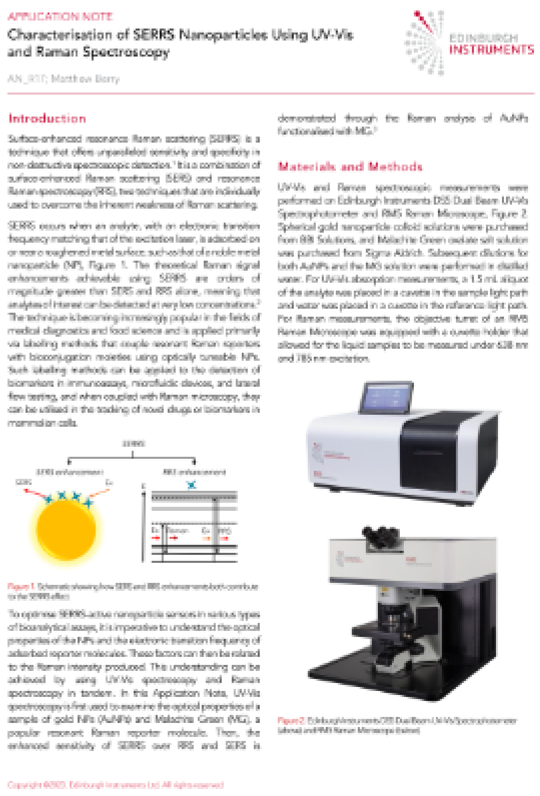
APPLICATION NOTE

Characterisation of SERRS Nanoparticles Using UV-Vis and Raman Spectroscopy

AN_R17; Matthew Berry

Introduction

Materials and Methods

Characterisation of SERRS Nanoparticles Using UV-Vis and Raman Spectroscopy

Surface-enhanced resonance Raman scattering (SERRS) is a technique that offers unparalleled sensitivity and specificity in spectroscopic detection and is promising for many applications in analytical research. In this new Application Note, we use the DS5 UV-Vis Dual Beam Spectrophotometer and RM5 Raman Microscope to demonstrate that the optical response of SERRS nanosensors contains combined SERS and RRS effects.

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