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How to do a Raman spectrum

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Surface- & tip-enhanced Raman spectroscopy The techniques of surface-enhanced Raman spectroscopy (SERS) and tip-enhanced Raman spectroscopy specifically probe the nanoscale and, although tip ...

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Raman spectroscopy is a scattering phenomenon that can differentiate the spectral fingerprint of many molecules simultaneously (high multiplexing capability). Because the Raman effect is normally ...

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Prof. HUANG Qing ' s group from the Institute of Intelligent Machines, Hefei Institutes of Physical Science (HFIPS) developed a surface-enhanced Raman spectroscopy (SERS) gas sensor to detect aldehyde ...

~~Aldehyde Gas Detection Aided by Novel SERS Sensor~~

surface enhanced Raman spectroscopy surfaces that provide various orders of magnitude amplification in independent tests; and custom spectrometers. The Company offers its products for security ...

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3 Surface Chemistry and Nanomaterials Laboratory ... substrates

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using powder precursors (see Materials and Methods for details).

Optical microscopy, Raman spectroscopy, and PL spectroscopy were ...

~~Spontaneous chemical functionalization via coordination of Au single atoms on monolayer MoS~~

Now, researchers at Argonne National Laboratory have demonstrated the use of Raman spectroscopy ... the surface of the graphite electrode, ” said Abraham. The presence of lithium metal also enhances ...

~~Fast Charging Requires Care~~

Using a technique called “ surface enhanced raman spectroscopy ” (it ’ s an actual thing) the world-weary medical examiner is able to

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Establish who strangled her but then... all that turns out ...

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~~Law & Order: Special Victims Unit~~

developed the handheld Surface Enhanced Raman Spectroscopy (SERS) based platform. The research was published in the journal, Analytical Chemistry. The IIT Delhi team, in collaboration with ICMR ...

~~IIT Delhi Develops Device For Early, Rapid Diagnosis Of Dengue~~
were produced with a method that used electric-field – enhanced growth ... Within the surface region on the compressive side of a highly bent fiber, the stress reached 0.4 GPa. Through the use of Raman ...

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The group are also developing the approach of surface enhanced spatially offset Raman spectroscopy (SESORS) for the detection of disease changes at depth with a view to carrying out measurements at ...

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