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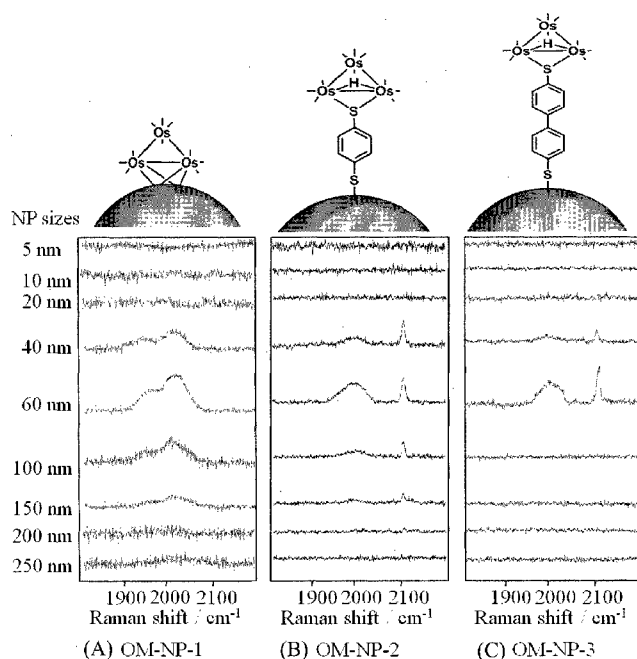
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(54) Title: METHOD OF DETECTING HYDROGEN PEROXIDE

FIG. 1



(57) Abstract: A method of detecting one or more analytes comprising or consisting of hydrogen peroxide using surface enhanced Raman spectroscopy (SERS) is provided. The method includes providing a SERS-active substrate having at least one metal carbonyl cluster compound attached thereon; contacting one or more analytes with the SERS-active substrate; and detecting changes in surface enhanced Raman signal from the at least one metal carbonyl cluster compound as an indication of the presence of one or more analytes comprising or consisting of hydrogen peroxide.



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