

Mechanical Sensors for Identifying Nano/Micro Particles

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Abstract

The paper describes tools used to identify nano and micro particles and shows the images of typical chemical, physical and biological analytes. The paper explains how microcantilevers are used in static and dynamic modes to sense the presence of biological and chemical agents. The paper also explains how microcantilevers are used to measure gas and liquid viscosity, which may be used as a marker for the presence of biological and chemical agents. An explanation of how charcoal can be used to sense and identify various liquids is also given.