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Fabrication of sensors and detectors based on 2D materials

چکیده

The exceptional surface-to-volume ratio and high electron mobility of 2D materials entitles them as promising candidates for gas sensing and photo-detection applications. In order to improve the sensitivity and selectivity of the sensors, utilizing the 2D materials based hybrids and composites have been studied in recent years. In this talk I shall describe aforementioned unique properties of 2D materials and their hybrids and take advantage of these properties to realize high sensitive gas sensors and photodetectors.

مکان

تالار دکتر جناب

(آمفی تئاتر دانشکده فیزیک)