

Ֆիզիկայի գիտահետազոտական ինստիտուտ

Նյութագիտության և նանոտեխնոլոգիաների գիտական կենտրոն
Լաբորանտ

Publications

Article

Ultra-high selective hydrogen peroxide vapor sensor based on the Fe₂O₃/MWCNTs nanocomposite

Artak Sayunts, Rima Papovyan, Gevorg Shahkhatuni, Zarine Simonyan, Davit Kananov,
Gabriel Gevorgyan, Dušan Kopecký, Mikayel Aleksanyan

International Journal of Smart and Nano Materials 2026 2637516

<https://www.tandfonline.com/doi/full/10.1080/19475411.2026.2637516>

Article

Study of a Flexible ZnO/MWCNTs Thin Film Sensor for Hydrogen Peroxide Vapor Detection by Impedance Spectroscopy

Gohar Shahnazaryan, Artak Sayunts, Gevorg Shahkhatuni, Rima Papovyan, Zarine Simonyan,
Gabriel Gevorgyan, Andranik Grigoryan, Dušan Kopecký, Mikayel Aleksanyan

Nanotechnology Science and Applications 2026 577983

<https://doi.org/10.2147/nsa.s577983>

Article

Enhanced Humidity Sensing Performance of Fe₂O₃:ZnO/MWCNTs Nanocomposite: Fabrication and Characterization

Artak Sayunts, Gevorg Shahkhatuni, Rima Papovyan, Zarine Simonyan, Davit Kananov,

Gohar Shahnazaryan, Gabriel Gevorgyan, Andranik Grigoryan, Dušan Kopecký, Mikayel Aleksanyan

ACS Omega 2026 31627-31638

<https://doi.org/10.1021/acsomega.6c02389>

Conference

Fabrication and Characterization of CO₂ Sensor Using ZnO Nanograins

M. Aleksanyan, G. Shahkhatuni, Z. Simonyan, G. Shahnazaryan, R. Papovyan, D. Kananov, A. Grigoryan,
G. Gevorgyan, G. Stepanyan, A. Sayunts

2025 307-308

<https://www.smsi-conference.com/>