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Research Institute of Physics

Նյութագիտության և Նախօրինակային գիտական կենտրոն
Senior Engineer

Education

Institution	Yerevan State University
Faculty	Radiophysics/Microelectronics
Date	2016 - 2022
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

Institution	Center of Semiconductor Devices and Nanotechnologies of Yerevan State University
Period of time	2022 till now
Rank/degree	laboratory assistant

Publications

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>

Article
Highly Sensitive Ammonia Gas Sensor Based on MWCNTs Saturated Fe₂O₃ Nanograins
Mikayel Aleksanyan, Artak Sayunts, Gevorg Shahkhatuni, Zarine Simonyan, Davit Kananov,

Andranik Grigoryan, Rima Papovyan, Dušan Kopecký
Langmuir 2025 26614–26627

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/>
