

# Babken Ogsen Semerjyan

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## 🌐 Language skills

Հայերեն Русский English

## 📖 Publications

*Article*

### **Optoelectronic Transimpedance Converter Based on MOS Photovaricap for High Resistive Gas Sensors**

Semerjyan B.O., D.A. Kananov, M.S. Alexanyan

Armenian Journal of Physics 2023 119 -125

*Article*

### **Nonlinear Processing at Signal Conditioning of Gas Sensors Based on Semiconductor Nanocomposites**

B.O. Semerjyan

Armenian Journal of Physics 2021 191-200

*Article*

### **STABILIZATION AND LINEARIZATION OF HIGH RESISTANCE GAS SENSOR'S OUTPUT CHARACTERISTIC**

B.O. Semerjyan

SEMICONDUCTOR MICRO- AND NANOELECTRONICS. PROCEEDINGS OF THE ELEVENTH INTERNATIONAL CONFERENCE  
2017 92-94

<http://icsmn.ysu.am/11th%20ICSMN-Proceedings.pdf>

*Article*

### **Статистические и шумовые характеристики нанокompозитных газовых сенсоров**

Р.В. Оганесян, Г.Д. ХОНДКАРЯН, М.С. АЛЕКСАНЫАН, В.М. АРАКЕЛЯН, Б.О. СЕМЕРДЖЯН,

Ф.В. ГАСПАРЯН, В.М. АРУТЮНЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2014  
241 - 251

*Conference*

### **Automatic System for Semiconductor Gas Sensor Flicker-Noise Measurement.**

B.O.Semerjyan

*Conference*

### **STABILIZATION AND LINEARIZATION OF HIGH RESISTANCE GAS SENSOR'S OUTPUT CHARACTERISTIC**

B.O. Semerjyan

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*Conference*

**Linearization of output characteristics of gas sensors based on MWCNT/SnO<sub>2</sub> structures**

B.O. Semerjyan

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