

ЛЭТИ

1. Anikina M. [и др.]. Synthesis and study of zinc oxide nanorods for semiconductor adsorption gas sensors IOP Publishing, 2021.С. 012010.
2. Bozhinova A. [и др.]. Study of the photocatalytic and sensor properties of ZnO/SiO₂ nanocomposite layers // Semiconductors. 2013. (47). С. 1636–1640.
3. Davydov S. Y., Moshnikov V., Fedotov A. Gas Adsorption on Semiconducting Oxides: A Change in the Work Function. // Technical physics letters. 2004. № 9 (30).
4. Gracheva I. E., Spivak Y. M., Moshnikov V. A. AFM techniques for nanostructured materials used in optoelectronic and gas sensors IEEE, 2009.С. 1246–1249.
5. Grachova I., Maksimov A., Moshnikov V. Analysis of structural features of tin dioxide-based fractal nanocomposites by atomic-force microscopy and x-ray diffraction // Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques. 2009. № 5 (3). С. 761.
6. Kondratev V. [и др.]. Silicon nanowires as multi—environment sensor elements for carbon monoxide and ammonia detection IOP Publishing, 2021.С. 012068.
7. Korepanov O. A. [и др.]. Formation of AgInS₂/ZnS Colloidal Nanocrystals and Their Photoluminescence Properties // Physics of the Solid State. 2019. (61). С. 2325–2328.
8. Lashkova N. A. [и др.]. Local analysis of semiconductor nanoobjects by scanning tunneling atomic force microscopy // St. Petersburg Polytechnical University Journal: Physics and Mathematics. 2015. № 1 (1). С. 15–23.
9. Nalimova S. [и др.]. Light-activation of gas sensitive layers based on zinc oxide nanowires IOP Publishing, 2020.С. 012128.
10. Peshkova T. [и др.]. Structures of nanowires with Zn-ZnO: CuO junctions for detecting ethanol vapors // Technical Physics. 2014. (59). С. 771–776.
11. Smerdov R. [и др.]. Magnetic and Plasmonic Composite Nanostructures for Creating Optical Filters at Substance and Material Diagnostics Systems // J. Russ. Univ. Radioelectron. 2021. (24). С. 81–97.
12. Smirnova I. [и др.]. Investigation into the surface morphology of nanosized silicate and hybrid films by optical and atomic-force microscopy. // Glass Physics & Chemistry. 2007. № 4 (33).
13. Spivak Y. M. [и др.]. The effect of n-and p-por-Si nanoparticle parameters on in vitro biotoxicity AIP Publishing LLC, 2020.С. 050052.
14. Tarasov S. [и др.]. Atomic force microscopy and photoluminescence analysis of porous metal-oxide materials // Semiconductors. 2012. (46). С. 1584–1588.
15. Tarasov S. [и др.]. Study of the self-organization processes in lead sulfide quantum dots // Semiconductors. 2014. (48). С. 1729–1731.