MODERN ELECTRONIC MATERIALS

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DESCRIPTION

Russian major journal describing the problems of manufacturing and studying the properties of semiconducting, magnetic and dielectric materials for micro- and nanoelectronics. The publication addresses topics such as material science and technology of single crystal semiconductors, dielectrics and magnetic materials; their physical properties; technology of multilayered structures and composite materials (including nanostructuring ones); structure and properties of boundary surfaces; non-thermal activation methods of physical processes; quantum-sized structures and nanocrystals; properties of amorphous and organic semiconductors; modeling of thermophysical, hydro- and gasdynamic conditions of single crystal and epitaxial layer growth for electronics; processes of semiconductor materials synthesis and purification.

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