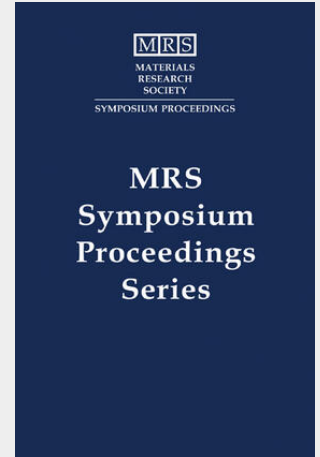


Amorphous and Polycrystalline Thin-Film Silicon Science and Technology -- 2007: Volume 989

Thin films of amorphous nano-, micro- and polycrystalline silicon, and related alloys, are used in active-matrix liquid crystal displays, solar cells, digital imagers and scanners. These products make large-area electronics the fastest growing semiconductor technology today and are encouraging further research on materials and devices. The success of amorphous silicon and polysilicon materials in commercial products is the driving force for the topic being one of the longest-running symposia and proceedings series of the Materials Research Society, providing excellent forums for reporting research results, exchanging ideas, and discussing scientific and technological issues. This volume, the most recent in the series, focuses on: defects and metastability; solar cells; alloys; crystallization and crystallization techniques; micro- and nanocrystalline silicon; thin-film growth; flexible substrates; novel applications; thin-film transistors; imagers and sensors; electronics and flexible substrates; electronic properties and metastability; structural properties; and nanocrystals, nanoclusters and nanowires.



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