

The scientists in 1954 at Bell Laboratory created functioning solar cell from silicon which was soon used to power space satellite and applications in smaller electronic items [2], ...

The object of the present work is to investigate the effect of the properties of double anti-reflection layers of plasma-deposited silicon-based dielectric films (SiN/SiON) on solar cell ...

Silicon nitride (SiN) and silicon oxynitride (SiON) are widely used in the microelec- tronic field as in Si-based large-scale integration circuit technology or in optoelectronic devices. In the ...

Thin films of nanocrystalline SiOxNy are studied in view of their application in silicon heterojunction (SHJ) solar cells. In particular, the formation of the nanocrystals and their ...



Silicon Oxynitride Solar Photovoltaic Panels

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