

## **Budianu Elena**

Publicații peste hotare - 7.

Publicații indexate în SCOPUS - 4.

### **ZnO micro/nano structures by MOCVD and vapour transport technique: Growth and characterization**

*Rusu Emil<sup>1</sup>, Burlacu Alexandru<sup>1</sup>, Ursaki Veaceslav<sup>1</sup>, Stratan Gheorghe<sup>1</sup>, Purica Munitzer<sup>2</sup>, Budianu Elena<sup>2</sup>, Monaico Eduard<sup>3</sup>*

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### **Optical and electrical properties of the CdS/InP heterostructures solar cells**

*Slobodchikov Semen<sup>1</sup>, Rusu Emil<sup>1</sup>, Arabadji P<sup>1</sup>, Purica Munitzer<sup>2</sup>, Budianu Elena<sup>2</sup>*

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### **Optical and structural investigation of ZnO thin films prepared by chemical vapor deposition (CVD)**

*Purica Munitzer<sup>1</sup>, Budianu Elena<sup>1</sup>, Rusu Emil<sup>2</sup>, Dănilă Mihai<sup>1</sup>, Gavrilă Raluca<sup>1</sup>*

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### **Thin Solid Films**

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### **Polysilicon thin layers for photovoltaic applications**

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### **Heterojunction with ZnO polycrystalline thin films for optoelectronic devices applications**

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### **Microelectronic Engineering**

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**Heterostructures on InP substrate for high-speed detection devices over a large spectral range (0.8-1.6  $\mu\text{m}$ )**

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**Schottky barrier on the InGaAs/InP heterostructures grown by the Cl-VPE technique for photodetectors**

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