

### **Analysis of fill factor losses in thin film CdS/CdTe photovoltaic devices**

Potlog, Tamara; Spalatu, Nicolae; Ciobanu, V.; **Hiie, Jaan; Mere, Arvo; Mikli, Valdek; Valdna, Vello** Moldavian journal of the physical sciences 2010 / 3/4, p. 363-367  
[https://ibn.idsi.md/sites/default/files/imag\\_file/Analysis%20of%20fill%20factor%20losses%20in%20thin%20film%20CdSCdTe%20photovoltaic%20evices.pdf](https://ibn.idsi.md/sites/default/files/imag_file/Analysis%20of%20fill%20factor%20losses%20in%20thin%20film%20CdSCdTe%20photovoltaic%20evices.pdf)

### **Comparative study of CdS films annealed in neutral, oxidizing and reducing atmospheres**

**Maticiu, Natalia; Kukk, Mart; Spalatu, Nicolae; Potlog, Tamara; Krunks, Malle; Valdna, Vello; Hiie, Jaan** Energy procedia 2014 / p. 77-84 : ill

### **Influence of annealing in H<sub>2</sub> atmosphere on the electrical properties of thin film CdS**

**Maticiu, Natalia; Hiie, Jaan; Potlog, Tamara; Valdna, Vello; Gavrilov, Aleksei** MRS proceedings 2011 / p. d14-05

### **Influence of technological conditions on the properties of CBD CdS layers**

**Maticiu, Natalia; Hiie, Jaan; Potlog, Tamara** CAS 2012 proceedings. Volume 1 : 2012 International Semiconductor Conference : October 15-17, Sinaia, Romania 2012 / p. 187-190 : ill

### **Issues with application of CBD CdS in CdS/i-ZnO/ZnO:Al window layer**

**Maticiu, Natalia; Potlog, Tamara; Hiie, Jaan** 17th International Conference on II-VI Compounds and Related Materials : Paris, 13-18 September 2015 : conference book 2015 / p. 372 : ill [http://ii-vi-2015.sciencesconf.org/conference/ii-vi-2015/pages/ConferenceBook\\_IIV2015\\_web\\_1.pdf](http://ii-vi-2015.sciencesconf.org/conference/ii-vi-2015/pages/ConferenceBook_IIV2015_web_1.pdf)

### **Keemiliselt sadestatud kaadmiumsulfiidi kilede lõõmutamisel toimuvad struktuursed muutused**

**Põldme, Nils; Hiie, Jaan; Mikli, Valdek; Raadik, Taavi; Valdna, Vello; Mere, Arvo; Gavrilov, Aleksei;** Maticiu, Natalia; Potlog, Tamara; Quinci, Frederico; Lugh, Vanni; Sergo, Valter XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 65

### **Mechanism of changes in the properties of chemically deposited CdS thin films induced by thermal annealing =**

**Keemiliselt sadestatud CdS õhukeste kilede omaduste muutumise mehhanism termilisel lõõmutamisel**

**Maticiu, Natalia** 2015 [https://www.ester.ee/record=b4518170\\*est](https://www.ester.ee/record=b4518170*est)

### **Properties of the CdCl<sub>2</sub> air-annealed CSS CdTe thin films**

**Spalatu, Nicolae; Hiie, Jaan; Valdna, Vello;** Caraman, Mihail; **Maticiu, Natalia; Mikli, Valdek; Potlog, Tamara; Krunks, Malle;** Lugh, Vanni Energy procedia 2014 / p. 85-95 : ill

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**Maticiu, Natalia; Hiie, Jaan; Mikli, Valdek;** Potlog, Tamara; **Valdna, Vello** Materials science in semiconductor processing 2014 / p. 169-174 : ill

### **Structural and optical properties of ZnTe thin films**

Potlog, Tamara; **Maticiu, Natalia;** Mirzac, A.; Dumitriu, P.; Scortescu, D. CAS 2012 proceedings. Volume 2 : 2012 International Semiconductor Conference : October 15-17, Sinaia, Romania 2012 / p. 321-324 : ill  
<https://ieeexplore.ieee.org/abstract/document/6400772/keywords#keywords>

### **Structural changes in CBD CdS: effect of rapid thermal annealing**

**Hiie, Jaan;** Quinci, Frederico; Lugh, Vanni; Maticiu, Natalia; Potlog, Tamara; **Mere, Arvo; Valdna, Vello; Gavrilov, Aleksei** "Thin film chalcogenide photovoltaic materials" (Symposium M, EMRS 2010 Spring Meeting) : 7-11 June 2010, Strasbourg, France 2010

### **Structural changes in chemically deposited CdS : effect of thermal annealing**

Maticiu, Natalia; Potlog, Tamara; **Hiie, Jaan; Mikli, Valdek; Põldme, Meeme; Raadik, Taavi; Valdna, Vello; Mere, Arvo; Gavrilov, Aleksei;** Sergo, V.; Quinci, Frederico; Lugh, Vanni Moldavian journal of the physical sciences 2010 / 3/4, p. 275-279  
[https://www.researchgate.net/publication/281997353\\_Structural\\_changes\\_in\\_chemically\\_deposited\\_CdS\\_Effect\\_of\\_thermal\\_annealing](https://www.researchgate.net/publication/281997353_Structural_changes_in_chemically_deposited_CdS_Effect_of_thermal_annealing)

### **Structural reproducibility of CdTe thin films deposited on different substrates by close space sublimation method**

Potlog, Tamara; Spalatu, Nicolae; Maticiu, Natalia; **Hiie, Jaan; Valdna, Vello; Mikli, Valdek; Mere, Arvo** Physica status solidi (a) : applications and materials science 2012 / p. 272-276 : ill [https://ibn.idsi.md/ro/vizualizare\\_articol/188177](https://ibn.idsi.md/ro/vizualizare_articol/188177)

### **Temperature dependent electroreflectance study of CdTe solar cells**

**Raadik, Taavi; Krustok, Jüri; Josepson, Raavo; Hiie, Jaan;** Potlog, Tamara; **Spalatu, Nicolae** Thin solid films 2013 / p. 279-282 : ill

### **Vesinikus lõõmutamise mõju CdS kilede omadustele**

**Maticiu, Natalia;** Potlog, Tamara; **Hiie, Jaan** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 61