

### **Conductive polymer PEDOT:PSS back contact for CdTe solar cell**

**Jarkov, Aleksandr; Bereznev, Sergei; Laes, Kristjan; Volobujeva, Olga; Traksmaa, Rainer; Öpik, Andres; Mellikov, Enn** Thin solid films 2011 / p. 7449-7452 : ill

### **Constant phase element response of impedance spectra of high vacuum evaporated CuIn<sub>3</sub>Se<sub>5</sub> photoabsorber layers** [Electronic resource]

**Laes, Kristjan; Bereznev, Sergei; Land, Raul; Öpik, Andres** International Materials Research Congress IMRC XIX, Cancun, Mexico – August 2010, Symposium 15 – Photovoltaics, Solar energy materials and technologies : abstracts 2010 / p. 21 [CD-ROM]

### **High vacuum evaporation of n-CuIn<sub>3</sub>Se<sub>5</sub> photoabsorber films for hybrid PV structures with conductive polymers**

**Adhikari, Nirmal; Bereznev, Sergei; Laes, Kristjan; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Öpik, Andres; Traksmaa, Rainer; Tverjanovich, Andrey** Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 124 [https://www.researchgate.net/publication/257710082\\_High-Vacuum\\_Evaporation\\_of\\_n-CuIn3Se5\\_Photoabsorber\\_Films\\_for\\_Hybrid\\_PV\\_Structures](https://www.researchgate.net/publication/257710082_High-Vacuum_Evaporation_of_n-CuIn3Se5_Photoabsorber_Films_for_Hybrid_PV_Structures)

### **High vacuum evaporation of n-CuIn<sub>3</sub>Se<sub>5</sub> photoabsorber films for hybrid structures**

**Adhikari, Nirmal; Bereznev, Sergei; Laes, Kristjan; Volobujeva, Olga; Öpik, Andres** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposium M 2010 / p. 8

### **Highly conductive PEDOT-PSS back contact layer for CdTe photoabsorber layer in the solar cell**

**Bereznev, Sergei; Volobujeva, Olga; Laes, Kristjan; Kois, Julia; Öpik, Andres** ICSM-2008 : International Conference of Science and Technology of Synthetic Metals : Porto de Galinhas, Brazil, July 6-11, 2008 : book of abstracts 2008 / p. 160 <https://www.sciencedirect.com/science/article/pii/S0040609011000940>

### **High-vacuum evaporation of n-CuIn<sub>3</sub>Se<sub>5</sub> photoabsorber films for hybrid PV structures**

**Adhikari, Nirmal; Bereznev, Sergei; Laes, Kristjan; Kois, Julia; Volobujeva, Olga; Raadik, Taavi; Traksmaa, Rainer; Tverjanovich, Andrey; Öpik, Andres; Mellikov, Enn** Journal of electronic materials 2011 / p. 2374-2381 : ill

### **Hübriidsetes fototundlikes struktuurides rakendatavate n-CuIn<sub>3</sub>Se<sub>5</sub> fotoabsorberkilede valmistamine kõrgvaakumaurustamise meetodil**

**Bereznev, Sergei; Adhikari, Nirmal; Kois, Julia; Volobujeva, Olga; Laes, Kristjan; Traksmaa, Rainer; Raadik, Taavi; Öpik, Andres** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 15

### **Polycrystalline CuIn<sub>3</sub>Se<sub>5</sub> thin film photoabsorber deposited by the pulsed laser deposition technique**

**Tverjanovich, Andrey; Bereznev, Sergei; Borisov, Evgeny N.; Kim, Dongsoo; Kois, Julia; Laes, Kristjan; Volobujeva, Olga; Öpik, Andres; Mellikov, Enn; Tverjanovich, Yuri S.** Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 24-28 : ill

### **Preparation and impedance spectroscopy of hybrid structures based on CuIn<sub>3</sub>Se<sub>5</sub> photoabsorber = Hübriidsete CuIn<sub>3</sub>Se<sub>5</sub> fotoabsorberstruktuuride valmistamine ja impedantsispektroskoopia**

**Laes, Kristjan** 2010 [https://www.ester.ee/record=b2580322\\*est](https://www.ester.ee/record=b2580322*est)

### **Shallow defect density determination in CuIn<sub>3</sub>Se<sub>5</sub> thin film photoabsorber by impedance spectroscopy**

**Laes, Kristjan; Bereznev, Sergei; Tverjanovich, Andrey; Borisov, Evgeny N.; Varema, Tiit; Volobujeva, Olga; Öpik, Andres** Thin solid films 2009 / p. 2286-2290 : ill

### **Study of activating treatment for glass/ITO/CdS/CdTe structures prepared by high vacuum evaporation**

**Jarkov, Aleksandr; Bereznev, Sergei; Laes, Kristjan; Volobujeva, Olga; Öpik, Andres** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposium M 2010 / p. 8-9

### **The impedance spectroscopy of CuIn<sub>3</sub>Se<sub>5</sub> photoabsorber films prepared by high vacuum evaporation technique**

**Laes, Kristjan; Bereznev, Sergei; Land, Raul; Tverjanovich, Andrey; Volobujeva, Olga; Traksmaa, Rainer; Raadik, Taavi; Öpik, Andres** Energy procedia 2010 / 1, p. 119-131 : ill

### **The impedance spectroscopy of hybrid CdTe / PEDOT-PSS interface**

**Bereznev, Sergei; Laes, Kristjan; Jarkov, Aleksandr; Volobujeva, Olga; Öpik, Andres** Hybrid and Organic Photovoltaics 2010 Conference : Assisi, Italy, May 23-27, 2010 : book of abstracts 2010 / p. 118

### **The impedance spectroscopy of well-oriented CuIn<sub>3</sub>Se<sub>5</sub> films prepared by high vacuum evaporation technique**

**Laes, Kristjan; Bereznev, Sergei; Tverjanovich, Andrey; Öpik, Andres** EMRS-2009 Spring Meeting, Strasbourg, France, 8-12 of June 2009, Symposium B 2009 / p. 46