

#### **Additively manufactured mesostructured MoSi<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic lattice**

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**Broad-band photoluminescence of donor-acceptor pairs in tetrahedrite Cu<sub>10</sub>Cd<sub>2</sub>Sb<sub>4</sub>S<sub>13</sub> microcrystals**  
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**Efficiency enhancement of Cu<sub>2</sub>ZnSnS<sub>4</sub> monograin layer solar cells via absorber post-growth treatments**

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**Impact of Cu<sub>2</sub>ZnSn(SexS<sub>1-x</sub>)<sub>4</sub> (x=0.3) compositional ratios on the monograin powder properties and solar cells**

**Muska, Katri; Kauk-Kuusik, Marit; Grossberg, Maarja; Altosaar, Mare; Pilvet, Maris; Varema, Tiit; Timmo, Kristi; Volobujeva, Olga; Mere, Arvo** Thin solid films 2013 / p. 35-38 : ill <https://doi.org/10.1016/j.tsf.2012.10.031> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Influence of A-site modifications on the properties of La<sub>0.21</sub>Sr<sub>0.74-x</sub>CaxTi<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>3-δ</sub> based fuel electrode for solid oxide cell**

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**Photo-assisted electrodeposition of polypyrrole back contact to CdS/CdTe solar cell structures**

**Jarkov, Aleksandr**; **Bereznev, Sergei**; **Volobujeva, Olga**; **Traksmaa, Rainer**; Tverjanovich, Andrey; **Õpik, Andres**; **Mellikov, Enn** Thin solid films 2013 / p. 198-201 : ill <https://doi.org/10.1016/j.tsf.2013.01.064> Journal metrics at Scopus Article at Scopus Journal

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#### **Radiative recombination in Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films with Cu deficiency and Zn excess**

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**Screening and optimization of processing temperature for Sb<sub>2</sub>Se<sub>3</sub> thin film growth protocol : interrelation between grain structure, interface intermixing and solar cell performance**

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**Kauk-Kuusik, Marit; Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Raadik, Taavi; Danilson, Mati; Mikli, Valdek; Altosaar, Mare; Krustok, Jüri; Raudoja, Jaan** Thin solid films 2018 / p. 15-19 <https://doi.org/10.1016/j.tsf.2018.09.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### The impact of 1-butyl-3-methylimidazolium chloride on electrospinning process of SAN polymer solutions and electrospun fiber morphology

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### **Thermomechanical surface instability at the origin of surface fissure patterns on heated circular MDF samples**

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### **To grind or not to grind? The influence of mechanical and thermal treatments on the Cu/Zn disorder in Cu<sub>2</sub>ZnSn(SxSe1-x)<sub>4</sub> monograins**

Gurieva, Galina; Rotaru, Victoria; Ernits, Kaia; Siminel, Nichita A.; Manjón-Sanz, Alicia; Kirkham, Melanie J.; Perez-Rodriguez, Alejandro; Guc, Maxim; **Meissner, Dieter**; Schorr, Susan Solar Energy Materials and Solar Cells 2022 / Art. 112009

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### **Transition metal-containing nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol for anion exchange membrane fuel cell application**

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### **Ultra-wideband integrated graphene-based absorbers for terahertz waveguide systems**

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### **Uncertainty quantification of input parameters in a 2D finite-element model for broken rotor bar in an induction machine**

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### **Understanding fault-tolerance vulnerabilities in advanced SoC FPGAs for critical applications**

**Cherezova, Natalia**; **Shibin, Konstantin**; **Jenihhin, Maksim**; Jutman, Artur Microelectronics reliability 2023 / art. 115010, 10 p. : ill

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### **Up-conversion enhancement in Er<sup>3+</sup> / Yb<sup>3+</sup> doped 1-D microcavity based on alternating aluminosilicate glass and titania sol-gel layers**

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### **Verifying cache architecture vulnerabilities using a formal security verification flow**

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### **Visible light-assisted instability of kesterite Cu<sub>2</sub>ZnSnS<sub>4</sub> : what are the implications?**

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