

### **Copper chalcopyrites for solar energy applications**

**Mandati, Sreekanth;** Misra, Prashant; Sarada, Bulusu V.; Rao, Tata Naransinga Transactions of the Indian Institute of Metals 2019 / p. 271–288 : ill <https://doi.org/10.1007/s12666-018-1455-0>

### **Economic pulse electrodeposition for flexible CuInSe<sub>2</sub> solar cells**

**Mandati, Sreekanth;** Misra, Prashant; Boosagulla, Divya; Rao, Tata Naransinga; Sarada, Bulusu V. Materials for renewable and sustainable energy 2020 / art. 19, 6 p. : ill <https://doi.org/10.1007/s40243-020-00177-3>

### **Electrodeposited chalcopyrite CuInGaSe<sub>2</sub> absorbers for solar energy harvesting**

**Mandati, Sreekanth;** Sarada, Bulusu V. Materials science for energy technologies 2020 / p. 440-445 : ill <https://doi.org/10.1016/j.mset.2020.03.001>

### **Growth mechanism of pulse electrodeposited cadmium sulfide and zinc sulfide thin films with tartaric acid and glycerol as additives**

Boosagulla, Divya; **Mandati, Sreekanth;** Allikayala, Ramachandraiah; Sarada, Bulusu V. Thin Solid Films 2021 / art. #139011 <https://doi.org/10.1016/j.tsf.2021.139011>

### **A multi-layer Cu:Ga/In sputtered precursor to improve structural properties of CIGS absorber layer**

Misra, Prashant; **Mandati, Sreekanth;** Rao, Tata Naransinga; Sarada, Bulusu V. Materials today: proceedings 2021 / p. 2037-2041 : ill <https://doi.org/10.1016/j.matpr.2020.09.545>

### **A non-vacuum dip coated SiO<sub>2</sub> interface layer for fabricating CIGS solar cells on stainless steel foil substrates**

Misra, Prashant; Atchuta, S. R.; **Mandati, Sreekanth;** Sarada, Bulusu V.; Rao, Tata Naransinga; Sakthivel, S. Solar energy 2021 / p. 471–477 : ill <https://doi.org/10.1016/j.solener.2020.12.007>

### **Pulse electrodeposited zinc sulfide as an eco-friendly buffer layer for the cadmium-free thin-film solar cells**

Boosagulla, Divya; **Mandati, Sreekanth;** Misra, Prashant; Allikayala, Ramachandraiah; Sarada, Bulusu V. Superlattices and microstructures 2021 / art. 107060 <https://doi.org/10.1016/j.spmi.2021.107060>

### **Two-dimensional CuIn<sub>1-x</sub>Ga<sub>x</sub>Se<sub>2</sub> nano-flakes by pulse electrodeposition for photovoltaic applications**

**Mandati, Sreekanth;** Dey, Suhash R.; Joshi, Shrikant V.; Sarada, Bulusu V. Solar energy 2019 / p. 396–404 <https://doi.org/10.1016/j.solener.2019.02.022>