

Detailed photoluminescence study of Cu₂Ge(SSe)₃ microcrystals

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<https://doi.org/10.1063/5.0053928> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of absorber surface modification on the optoelectronic properties of Cu₂CdGeSe₄ solar cells

Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Danilson, Mati; Mikli, Valdek; Kauk-Kuusik, Marit Thin solid

films 2020 / art. 137822, 7 p. : ill <https://doi.org/10.1016/j.tsf.2020.137822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growth of Cu₂CDGESE₄ monograin powders in molten salts [Online resource]

Li, Xiaofeng; Kauk-Kuusik, Marit Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 2 p <http://fmtdk.ut.ee/teesid-2019/>

Nano-scale sulfurization of the Cu₂ZnSnSe₄ crystal surface for photovoltaic applications

Kauk-Kuusik, Marit; Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Mikli, Valdek; Kaupmees, Reelika; Danilson, Mati; Grossberg, Maarja Journal of materials chemistry A 2019 / p. 24884-24890 : ill <https://doi.org/10.1039/C9TA08020A> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of Cu₂CdGeSe₄ monograin powders synthesized by molten salt method for photovoltaic applications

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](#)

Study of Cu₂GE(S,SE)₃ and Cu₂CDGE(S,SE)₄ monograin powders for photovoltaic applications

Li, Xiaofeng; Timmo, Kristi; Kauk-Kuusik, Marit Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 32 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Study of Cu₂Ge(S,Se)₃ and Cu₂CdGe(S,Se)₄ monograin powders for photovoltaic applications = Cu₂Ge(S,Se)₃ ja Cu₂CdGe(S,Se)₄ monoterapulbrite uurimine ning kasutamine päikesepatareides

Li, Xiaofeng 2022 <https://doi.org/10.23658/taltech.17/2022> <https://digikogu.taltech.ee/et/Item/54ffb72b-bac3-433f-b3bc-30a94df83592> https://www.eester.ee/record=b5499086*est

Study of point defects in wide- bandgap Cu₂CdGeS₄ microcrystals by temperature and laser power dependent photoluminescence spectroscopy

Krustok, Jüri; Raadik, Taavi; Li, Xiaofeng; Kauk-Kuusik, Marit; Timmo, Kristi; Oueslati, Souhaib; Grossberg, Maarja Journal of physics D : applied physics 2020 / 10 p. : ill <https://doi.org/10.1088/1361-6463/ab83c1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of the structure and optoelectronic properties of Cu₂Ge(S_xSe_{1-x})₃ microcrystalline powders

Li, Xiaofeng; Timmo, Kristi; Grossberg, Maarja; Pilvet, Maris; Kaupmees, Reelika; Krustok, Jüri; Muska, Katri; Mikli, Valdek; Kauk-Kuusik, Marit Thin solid films 2022 / art. 139053, 6 p. : ill <https://doi.org/10.1016/j.tsf.2021.139053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis and physical characteristics of narrow bandgap chalcogenide SnZrSe₃ : [version 2; peer review: 2 approved]

Kondrotas, Rokas; Juškeenas, Remigijus; Krotkus, Arunas; Pakštas, Vidas; Suchodolskis, Arturas; Mekys, Algirdas; Franckevičius, Marius; Talaikis, Martynas; Muska, Katri; Li, Xiaofeng; Kauk-Kuusik, Marit; Kravtsov, Victor Open Research Europe 2023 / art.

138 <https://doi.org/10.12688/openreseurope.15168.2> <https://open-research-europe.ec.europa.eu/articles/2-138>

<https://doi.org/10.5281/zenodo.7867349> [Journal metrics at Scopus](#) [Article at Scopus](#)

The effect of S/Se ratio on the properties of Cu₂CdGe(S_xSe_{1-x})₄ microcrystalline powders for photovoltaic applications

Li, Xiaofeng; Pilvet, Maris; Timmo, Kristi; Grossberg, Maarja; Mikli, Valdek; Kauk-Kuusik, Marit Solar energy 2020 / p.

646–652 : ill <https://doi.org/10.1016/j.solener.2020.09.045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of S/SE ratio on the properties of Cu₂CdGe(S_xSe_{1-x})₄ monograin powders for photovoltaic applications

Li, Xiaofeng; Kauk-Kuusik, Marit; Timmo, Kristi; Pilvet, Maris; Grossberg, Maarja; Raadik, Taavi; Danilson, Mati; Mikli,

Valdek GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 52 <http://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>