

Atomic structure, dynamics, changes in chemical bonding and semiconductor-metal transition in Sb₂Se₃ : A remarkable material for quantum networks and energy applications

Kassem, Mohammad; Benmore, Chris J.; Tverjanovich, Andrey; Bokova, Maria; Khomenko, Maxim; Usuki, Takeshi; Sokolov, Anton; Fontanari, Daniele; **Bereznev, Sergei**; Ohara, Koji ACS applied materials & interfaces 2025 / p. 17075-17095
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Cost-effective fluorene and thiophene containing hole conductors towards semi-transparent Sb₂S₃ absorber-based solar cells

Mandati, Sreekanth; Juneja, Nimish; Katerski, Atanas; Jegorove, Aiste; Daskeviciute-Geguziene, Sarune; Grzibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae**; Magomedov, Artiom; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle; Oja Acik, Ilona** WCPEC-8 : 8th World Conference on Photovoltaic Energy Conversion 2022 / p. 470-473 <https://doi.org/10.4229/WCPEC-82022-2BV.2.70>

Development of semi-transparent Sb₂Se₃ solar cells with fluorene-based compounds as hole transport materials = Poolläbipaistvate Sb₂Se₃ päikesepatareide arendus : fluoreenipõhised ühendid aukude transportkihi materjalina

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Effects of cationic substitution on the properties of Sb_{1-x}BixSe₃ (x = 0–1) compounds

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EMI-transparent Sb₂S₃ solar cells with fluorene-based enamine as hole transport material

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4.9 % efficient Sb₂S₃ solar cells from semi-transparent absorbers with fluorene-based thiophene terminated hole conductors

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Preparation and characterization of Sb₂Se₃ thin films

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Sb₂S₃ solar cells with a cost-effective and dopant-free fluorene-based enamine as a hole transport material

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Sb₂S₃ thin films by ultrasonic spray in air : formation and application insolar cells

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