

**Employment of dopant-free fluorene-based enamines as innovative hole transport materials to boost the transparency and performance of Sb<sub>2</sub>S<sub>3</sub> based solar cells**

**Juneja, Nimish;** Daskeviciute-Geguziene, Sarune; **Spalatu, Nicolae; Mandati, Sreekanth; Katerski, Atanas;** Grzibovskis, Raitis; Vembris, Aivars; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle; Oja Acik, Ilona** Materials science in semiconductor processing 2024 / art. 107934 <https://doi.org/10.1016/j.mssp.2023.107934>

**4.9 % efficient Sb<sub>2</sub>S<sub>3</sub> solar cells from semi-transparent absorbers with fluorene-based thiophene terminated hole conductors**

**Mandati, Sreekanth; Juneja, Nimish; Katerski, Atanas;** Jegorove, Aiste; Grzibovskis, Raitis; Vembris, Aivars; **Dedova, Tatjana; Spalatu, Nicolae;** Magomedov, Artiom; Karazhanov, Smagul; Getautis, Vytautas; **Krunks, Malle; Oja Acik, Ilona** ACS Applied Energy Materials 2023 / p. 3822–3833 <https://doi.org/10.1021/acsaem.2c04097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Semitransparent Sb<sub>2</sub>S<sub>3</sub> thin film solar cells by ultrasonic spray pyrolysis for use in solar windows**

**Eensalu, Jako Siim; Katerski, Atanas; Kärber, Erki;** Weinhardt, Lothar; Blum, Monika; Heske, Clemens; **Oja Acik, Ilona; Krunks, Malle** Beilstein journal of nanotechnology 2019 / p. 2396–2409 <https://doi.org/10.3762/bjnano.10.230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)