

### **Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes**

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### **Atomic structure, dynamics, changes in chemical bonding and semiconductor-metal transition in Sb<sub>2</sub>Se<sub>3</sub> : 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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### **Characterization of ZnO-nanorod/In<sub>2</sub>S<sub>3</sub>/CuInS<sub>2</sub> solar cell, and properites of the constituent layers**

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