

**In situ Al<sub>3</sub>BC/Al composite fabricated via solid-solid reaction: An investigation on microstructure and mechanical behavior**

Maity, Tapabrata; Prakash, Aditya; Roy, Debdas; **Prashanth, Konda Gokuldoss** Applied sciences 2025 / art. 5189  
<https://doi.org/10.3390/app15095189>

**Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 Materials science forum 2020 / p. 490-496 <https://doi.org/10.4028/www.scientific.net/MSF.1004.490> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Nanoscale and microscale simulations of N-N junction heterostructures of 3C-4H silicon carbide**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas; Gähwiler, Reto; Grosberg, Martin; Jõemaa, Rauno** Materials and contact characterisation VIII 2017 / p. 235-248 : ill <https://doi.org/10.2495/MC170241> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Simulations of heterostructures based on 3C-4H and 6H-4H silicon carbide polytypes**

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 302-305 : ill <https://doi.org/10.4028/www.scientific.net/MSF.924.302> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Tunneling-enhanced interface recombination and current loss curves in kesterite solar cells**

**Krustok, Jüri; Timmo, Kristi; Kauk-Kuusik, Marit; Grossberg-Kuusk, Maarja** Applied physics letters 2023 / art. 242102  
<https://doi.org/10.1063/5.0175082> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)