

**Modeling, analysis, and implementations of charging systems for vehicle electrification**

**Vinnikov, Dmitri; Blinov, Andrei;** Rathore, Akshay Kumar Vehicle electrification in modern power grids : Disruptive perspectives on power electronics technologies and control challenges 2024 / p. 75-99 <https://doi.org/10.1016/B978-0-443-13969-7.00004-7>

**Wide input voltage range photovoltaic microconverter with reconfigurable buck-boost switching stage**

**Chub, Andrii; Vinnikov, Dmitri; Kosenko, Roman; Liivik, Elizaveta** IEEE transactions on industrial electronics 2017 / p. 5974-5983 : ill <https://doi.org/10.1109/TIE.2016.2645891> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)