



Alternative Heterojunction Partners for Cis-Based Solar Cells (Paperback)

By National Renewable Energy Laboratory (NREL)

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.The focus of the Phase I effort concerned further development of ZnO buffer layers. This work included further optimization of the metal-organic chemical vapor deposition (MOCVD) growth process and investigations of the interaction of zinc and oxygen with the absorber layers. Although much of our work had been done with Siemens CIS material prior to this reporting period, a process for growing ZnO buffer layers on Siemens CIGSS absorber had not been developed. We determined that a two-step procedure involving raising the substrate temperature to 250°C in nitrogen and then growing the buffer layer at 100 degrees C works well with CIGSS material.



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