

## **High Performrance Flexible Perovsite Solar Cells**

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### **Abstract**

Organic/inorganic hybrid solar cells, typically mesoscopic and perovskite solar cells, are regarded as promising candidates to replace conventional silicon or thin film photovoltaics. There have been intensive investigations on the development of advanced materials for improved power conversion efficiencies, however, economical feasibilities and reliabilities of the organic/inorganic photovoltaics are yet to reach at a sufficient level for practical utilizations. Further acceleration of commercialization would be possible by utilizing flexible substrates. Over the past few years, we have developed several facile methods for the fabrication of efficient flexible solar cells on plastic substrates. In this talk, several strategies to address these issues will be introduced

**Keywords:** *flexible solar cells, perovskite solar cell, low temperatrue sintering, photoelectrode*

### **Biography**

Min Jae Ko is a full propessor in the Department of Cheical Engineering at Hanyang University, Seoul, Korea. His research is focusing on the developments of materials and devices for the next generation flexible solar cells. Prof. Ko has published over 150 papers in peer-reviewed journals, and 20 registered patents.