

# Development of Flexible CIGS Solar Cells by Low Temperature Deposition Method

## Background

Development of flexible solar cell in order to reduce solar cell module weight and increase its field of applications

## Objective

Development of fabrication method in order to increase solar cell performance grown in low temperature ( $< 450^{\circ}\text{C}$ )

## Members



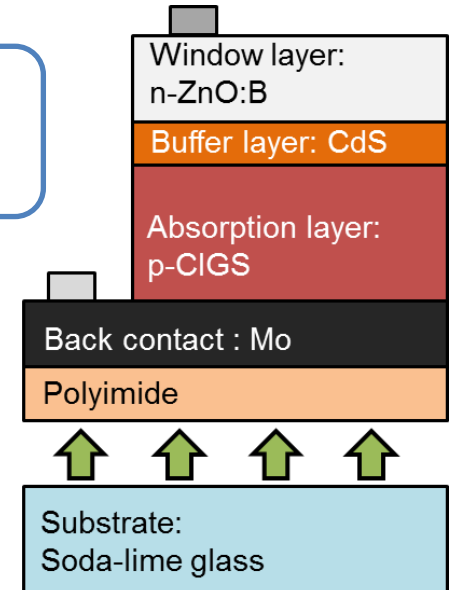
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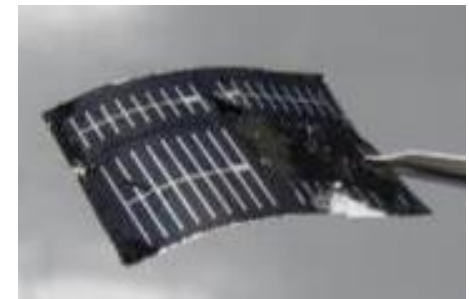
Tomohiro  
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## Research Topics

- ❑ Improvement and analysis of Alkali post deposition treatment by NaF and KF
- ❑ Cu-poor surface passivation by 1:3:5 phase formation
- ❑ Modification of CIGS band profile deposited on low temperature



Structure of Flexible CIGS solar cells by lift-off process



Fabricated Flexible CIGS solar cells