
Poster Presentation

[FLXp1]Flexible Electronics Technologies

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

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[FLXp1-7]Room-temperature solution-synthesized p-type copper(I) iodide semiconductors for transparent thin film transistors and complementary electronics

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Keywords:solution process, p-type semiconductors, low temperature, transistors

Developing p-type transparent semiconductors has attracted great interest over the past decades to realize complementary p-n junction devices and circuits by cost-effective graphic art processes. Here we report two kinds of transparent p-type Cu-based transistors (CuI and Cu_xO), which can be synthesized using solution process at plastic-compatible temperatures.