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## Enhanced Photovoltaic Performance Using Reduced Graphene Oxide Assisted by Triple-Tail Surfactant as an Efficient and Low-Cost Counter Electrode for Dye-Sensitized Solar Cells

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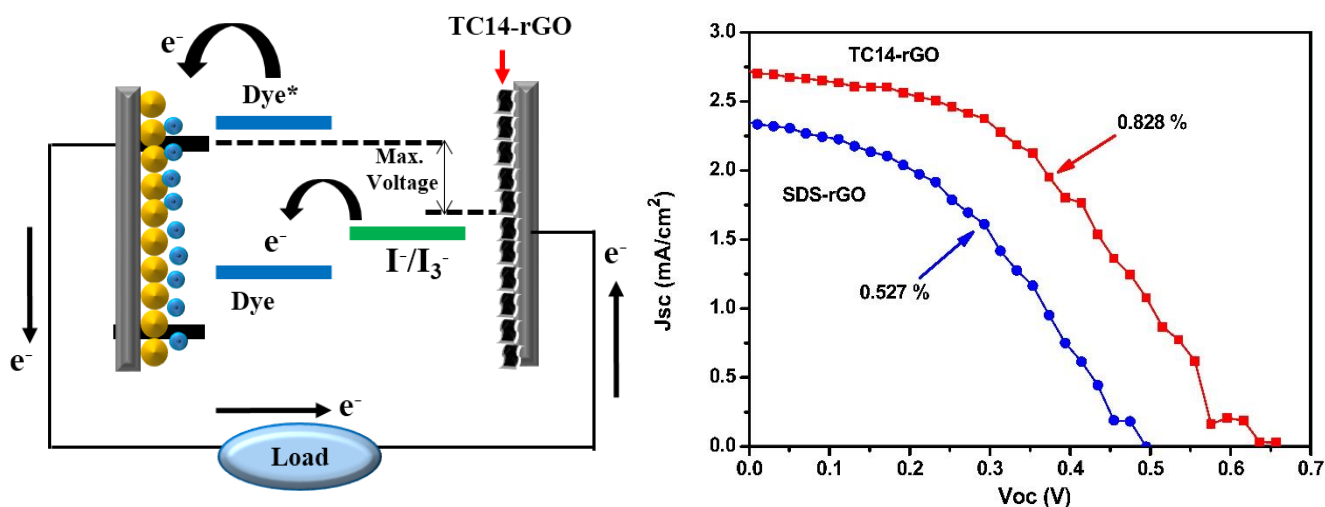
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Graphical Abstract:



### Highlights:

- An enhanced counter electrode film was prepared by spraying with TC14-rGO dispersion.
- A high surface area of rGO sheets was obtained with the aid of the triple-tail surfactant TC14.
- The photovoltaic performance of DSSCs for TC14-rGO was improved.
- The energy conversion of the TC14-rGO film for the counter electrode of DSSCs was higher than that of the SDS-rGO film.

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