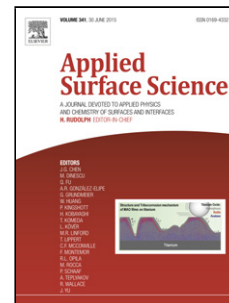


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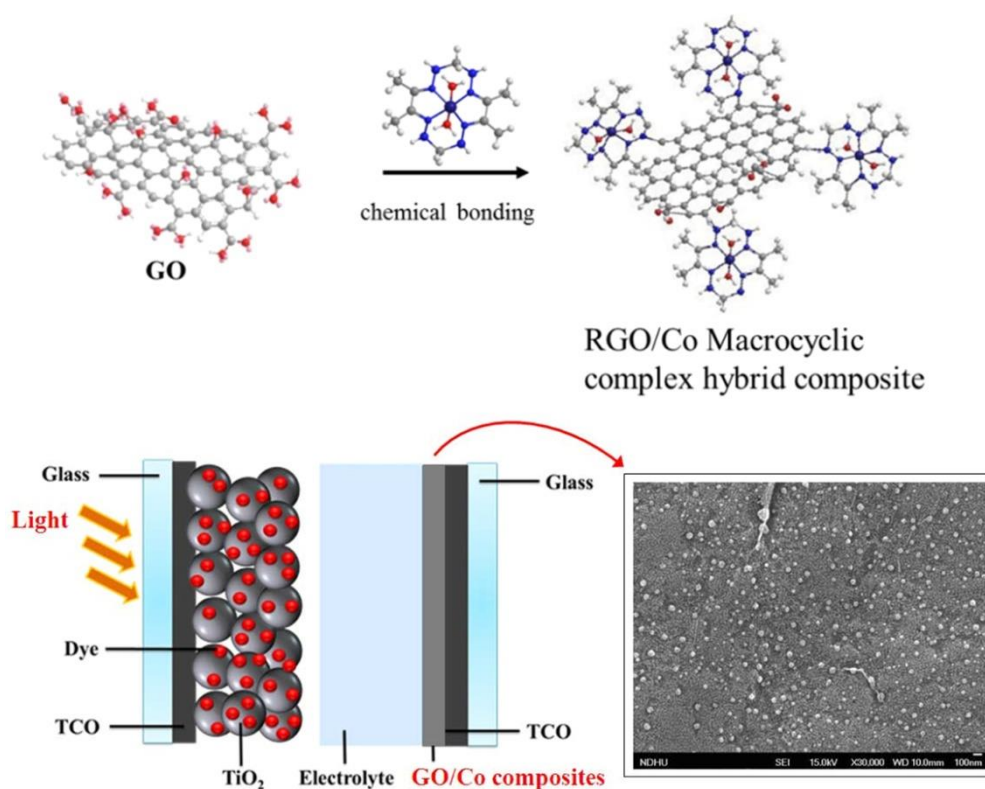
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Graphical Abstract



Highlights

- Graphene oxide/macrocyclic Co complex composite materials were synthesized.
- The GO/Co composites were successfully used as counter electrodes in DSSCs.
- GO/Co CE exhibits high electrical conductivity and excellent catalytic properties.
- The PCE of the DSSCs with GO/Co (1:10) CE was higher than that of the Pt CE.

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