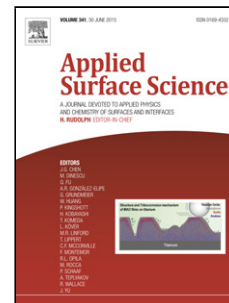


Accepted Manuscript

Title: Optical and electrical properties of $\text{Ti}(\text{Cr})\text{O}_2\text{:N}$ thin films deposited by magnetron co-sputtering

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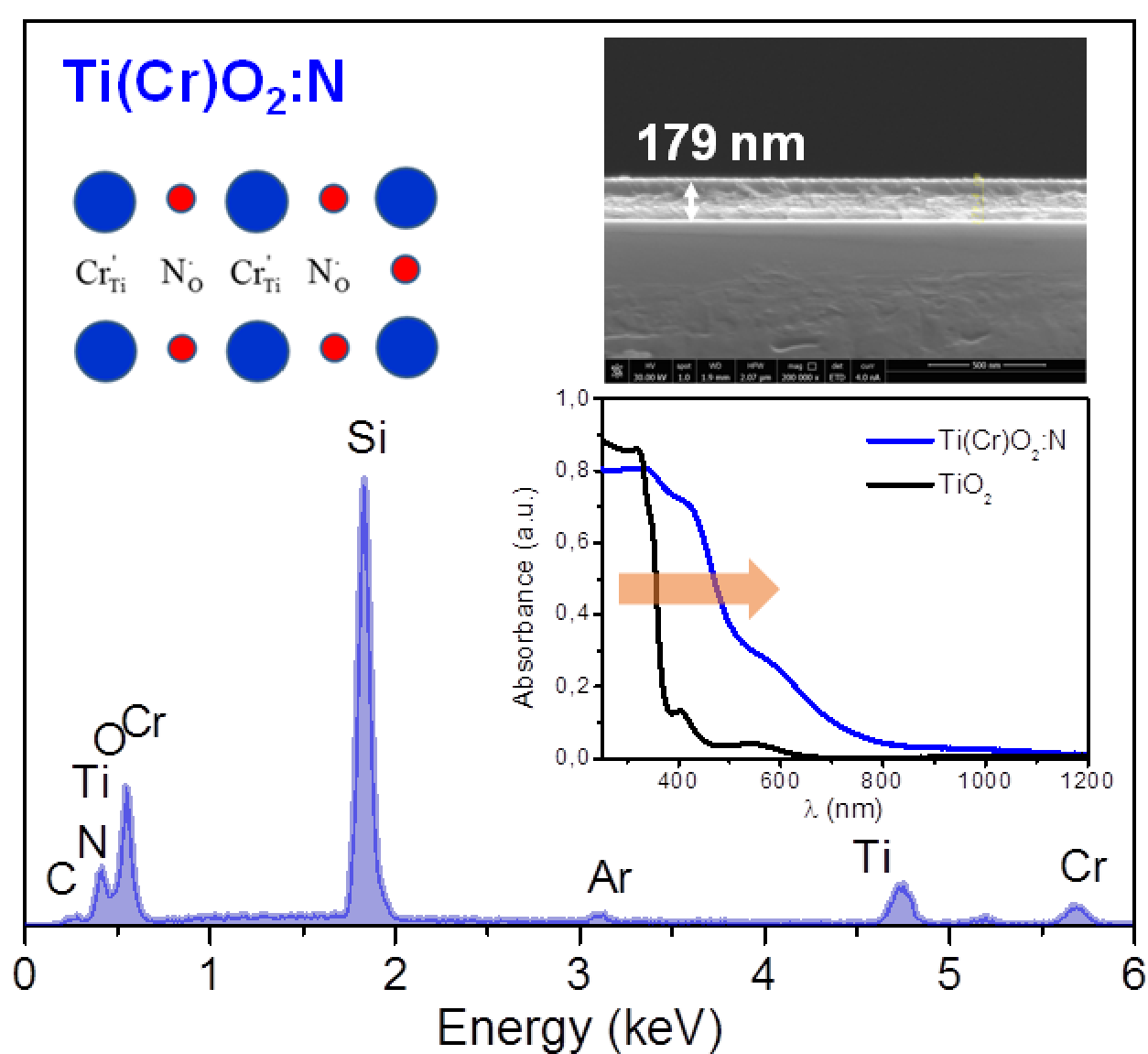
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Highlights

- Co-doped well-crystallized stoichiometric Ti(Cr)O₂:N thin films are deposited
- Magnetron sputtering of ceramic TiO₂ target is a new strategy for co-doping
- Bigger contribution from substitutionally incorporated nitrogen is seen in XPS
- Significant red shift of the fundamental absorption edge is obtained

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