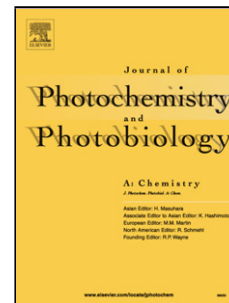


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PII: S1010-6030(18)30828-1
DOI: <https://doi.org/10.1016/j.jphotochem.2018.10.003>
Reference: JPC 11519

To appear in: *Journal of Photochemistry and Photobiology A: Chemistry*

Received date: 12-6-2018
Revised date: 23-9-2018
Accepted date: 1-10-2018

Please cite this article as: { <https://doi.org/>

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Physical and Photoelectrochemical Properties of the Spinel ZnCr_2O_4 Prepared by Sol Gel: Application to Orange II degradation Under Solar Light

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Graphical abstract

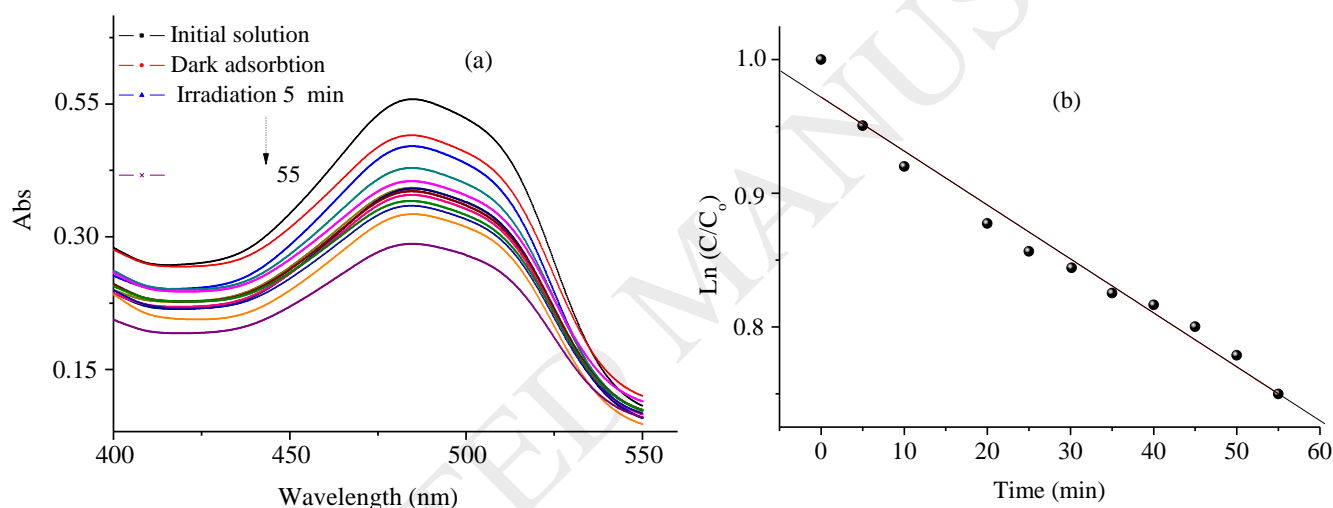


Fig. (a) The UV–Visible spectra of OII solutions on ZnCr_2O_4 over illumination time. (b) The kinetic plot $\ln C/C_0$ vs. time.

Highlights

- The physical properties of the spinel ZnCr_2O_4 synthesized by chemical route are studied.
- The conduction band, located at -1.87 V, is made up of Cr^{3+} : e_g wave functions.

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