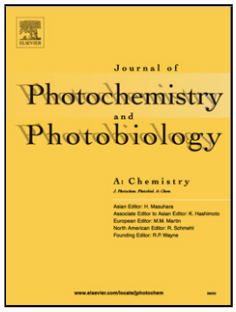


Title: Photoelectrochemical investigations in lead-free Ba$(Ti_{0.950}Sc_{0.025}Nb_{0.025})O_3$ ferroelectric ceramics. Application to amoxicillin Photdegradation

Authors: N. Haddadou, N. Bensemma, G. Rekhila, M. Trari, K. Taïbi

PII: S1010-6030(17)31607-6
DOI: https://doi.org/10.1016/j.jphotochem.2018.03.033
Reference: JPC 11202

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

Received date: 9-11-2017
Revised date: 18-3-2018
Accepted date: 20-3-2018

Please cite this article as: N.Haddadou, N.Bensemma, G.Rekhila, M.Trari, K.Taïbi, Photoelectrochemical investigations in lead-free Ba (Ti0.950Sc0.025Nb0.025)O3 ferroelectric ceramics.Application to amoxicillin Photdegradation, Journal of Photochemistry and Photobiology A: Chemistry https://doi.org/10.1016/j.jphotochem.2018.03.033

Photoelectrochemical investigations in lead-free Ba ($Ti_{0.950}Sc_{0.025}Nb_{0.025}$)$O_3$ ferroelectric ceramics. Application to amoxicillin Photdegradation

N. Haddadou[a], N. Bensemma[a,b], G. Rekhila[c], M. Trari[c,1] and K. Taïbi[a]

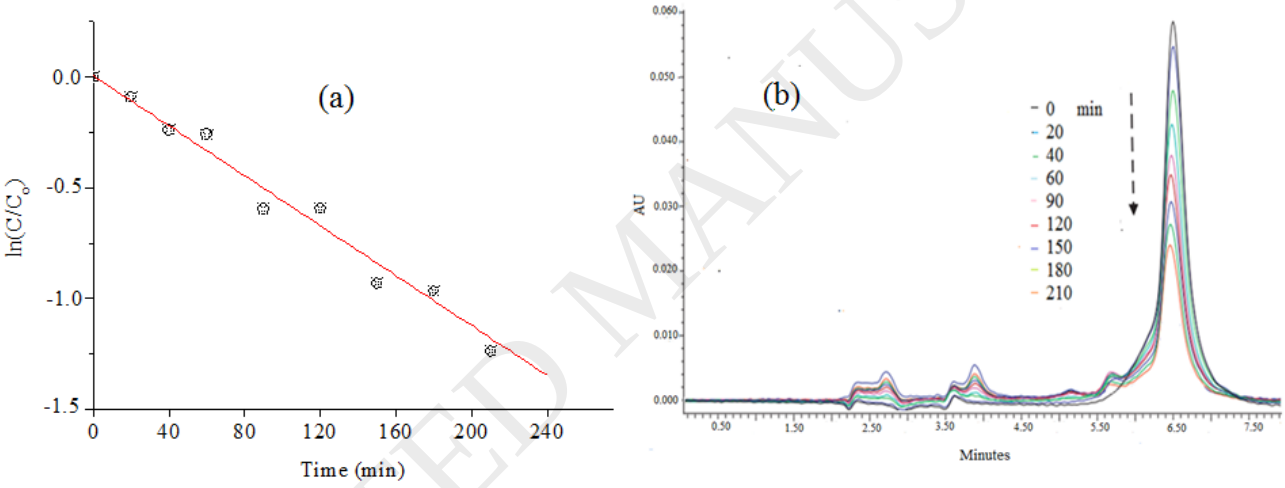
[a] Crystallography-Thermodynamics Laboratory, Faculty of Chemistry, USTHB, P.O. Box 32, 16111 Algiers, Algeria

[b] Nuclear Research Centre of Birine, Ain Oussera, Algeria,

[c] Laboratory of Storage and Valorization of Renewable Energies, Faculty of Chemistry, USTHB, P.O. Box 32, 16111 Algiers, Algeria

[1]Corresponding author.
Email address : solarchemistry@gmail.com (M. Trari)

Graphical abstract



Highlights

- The semiconducting properties of the photocatalyst Ba($Ti_{0.950}Sc_{0.025}Nb_{0.025}$)$O_3$ prepared by solid state reaction.