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Authors: Francisco Jose Morales-Leal, Javier Rivera de la Rosa, Carlos J. Lucio-Ortiz, Diana Bustos Martínez, David A. De Haro Del Rio, M.A. Garza-Navarro, Daniela Xulú Martínez-Vargas, Carlos D. Garcia

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Comparison between the catalytic and photocatalytic activities of Cu/Al₂O₃ and TiO₂ in the liquid-phase oxidation of methanol-ethanol mixtures: Development of a kinetic model for the preparation of catalyst

Francisco Jose Morales-Leal¹, Javier Rivera de la Rosa^{1,2*}, Carlos J. Lucio-Ortiz¹, Diana Bustos Martínez¹, David A. De Haro Del Rio¹, M.A. Garza-Navarro^{2,3}, Daniela Xulú Martínez-Vargas⁴, Carlos D. Garcia⁵

¹Universidad Autónoma de Nuevo León, Facultad de Ciencias Químicas, Ave. Universidad S/N, Cd. Universitaria, San Nicolás de los Garza, Nuevo León 64450, México.

²Universidad Autónoma de Nuevo León, Centro de Innovación, Investigación y Desarrollo en Ingeniería y Tecnología (CIIDIT), Km 10 de la nueva carretera al Aeropuerto Internacional de Monterrey, PIIT Monterrey, Apodaca, Nuevo León 66600, México

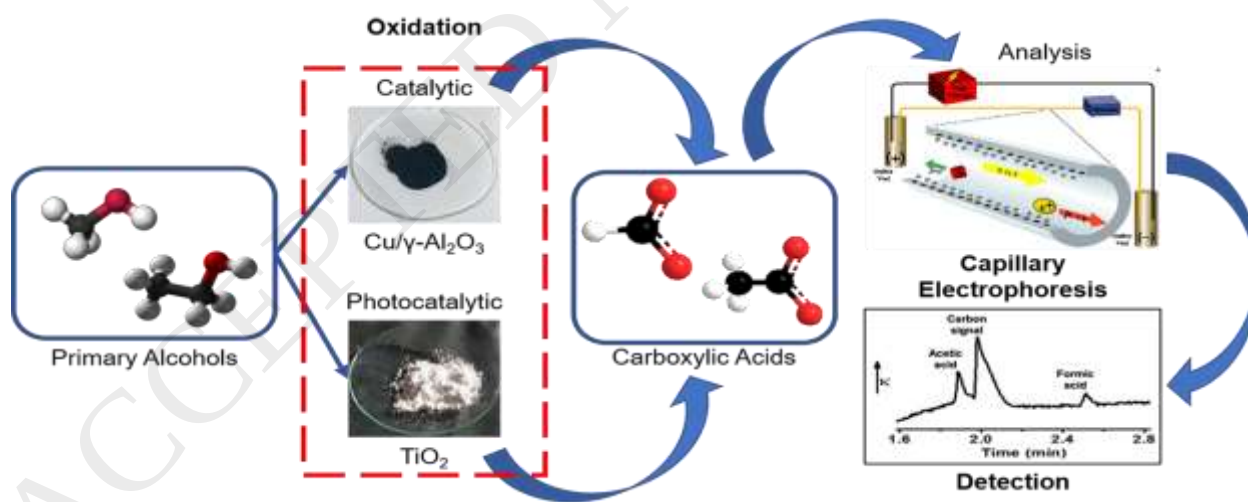
³Universidad Autónoma de Nuevo León, Facultad de Ingeniería Mecánica y Eléctrica Ave. Universidad S/N, Cd. Universitaria, San Nicolás de los Garza, Nuevo León 64450, México

⁴Tecnológico de Monterrey, Av. Eugenio Garza Sada 2501 Sur, Col. Tecnológico, Monterrey, Nuevo León 64849, México.

⁵Clemson University, Department of Chemistry, 219 Hunter Laboratories, Clemson, South Carolina 29634, USA.

*Corresponding author: javier.riverad@uanl.edu.mx

GRAPHICAL ABSTRACT



Highlights

- Activities of Cu/Al₂O₃ catalyst and TiO₂ photocatalyst in the liquid-phase oxidation of methanol-ethanol mixtures are studied.
- Kinetic model for the Cu/Al₂O₃ catalyst preparation and its relation to chemical interaction between the copper and the support is presented.

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