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Authors: Ana B. Calcerrada, Ana R. de la Osa, Javier Llanos, Fernando Dorado, Antonio de Lucas-Consuegra

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### ACCEPTED MANUSCRIPT

# Hydrogen from electrochemical reforming of ethanol assisted by sulfuric acid addition

Ana B. Calcerrada<sup>‡</sup>, Ana R. de la Osa<sup>‡</sup>, Javier Llanos<sup>‡</sup>, Fernando Dorado<sup>‡</sup>, Antonio de Lucas-Consuegra<sup>‡\*</sup>

<sup>‡</sup>Departamento de Ingeniería Química, Facultad de Ciencias y Tecnologías Químicas, Universidad de Castilla-La Mancha. Avenida Camilo José Cela 12, 13071 Ciudad Real, Spain

\***Corresponding author**: Tel.: +34-926295300; Fax: +34-926-295437; E-mail address: Antonio.lconsuegra@uclm.es

#### HIGHLIGHTS

- An optimal concentration of H<sub>2</sub>SO<sub>4</sub> enhances ethanol electro-reforming
- Anolyte acidification decrease the anodic charge transfer resistance
- A decrease in the energy requirement for H<sub>2</sub> production is achieved

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