

PUBLICACIONES QUE HAN DERIVADO DE LA TESIS

D^a. AINHOA DE LAS HERAS JIMÉNEZ.

Artículo:

Title: From the cell to the stack. A chronological walk through the techniques to manufacture the PEFCs core

Authors: A. De las Heras, F. J. Vivas, F. Segura, J. M. Andújar

Journal: Renewable and Sustainable Energy Reviews

Reference: Vol. 96, pp. 29-45.

Year: 2018

Quality index: Journal included in JCR, position 5/90 in the category of "Energy & Fuels", IF (2016): 8,050

Artículo:

Title: How the BoP configuration affects the performance in an Air-Cooled Polymer Electrolyte Fuel Cell. Keys to design the best configuration

Authors: A. De las Heras, F. J. Vivas, F. Segura, J. M. Andújar

Journal: International Journal of Hydrogen Energy

Reference: Vol. 42(17) pp. 12841-12855

Year: 2016

Quality index: Journal included in JCR, position 28/90 in the category of "Energy & Fuels", IF (2016): 3,582

Artículo:

Title: Air-Cooled fuel cells: keys to design and build the oxidant/cooling system

Authors: A. De las Heras, F. J. Vivas, F. Segura, J. M. Andújar

Journal: Renewable Energy

Reference: Vol. 125 pp-1-20.

Year: 2018

Quality index: Journal included in JCR, position 18/90 in the category of "Energy & Fuels", IF (2016): 4,357

Artículo:

Title: An energy management strategy and fuel cell configuration proposal for a hybrid renewable system with hydrogen backup.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J. M. Andújar

Journal: International Journal of Energy Optimization and Engineering.

Reference: Vol. 6(1).

Year: 2017

Quality index: Revista Internacional de acceso libre indexada en Emerging Sources Citation Index (ESCI - Web of Science) y en INSPEC.

Artículo:

Title: H2RES2 Simulator. A new solution for hydrogen hybridization with renewable energy sources-based systems.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J. M. Andújar

Journal: International Journal of Hydrogen Energy.

Reference: Vol. 48(19).

Year: 2017

Quality index: Revista incluida en el JCR, posición 28/90 en la categoría "Energy & Fuels", IF(2016): 3,582

Artículo:

Title: A review of Energy Management Strategies for Renewable Hybrid Energy Systems with Hydrogen Backup.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J. M. Andújar

Journal: Renewable and Sustainable Energy Reviews.

Reference: Vol. 82.

Year: 2017

Quality index: Revista incluida en el JCR, posición 5/90 en la categoría "Energy & Fuels", IF(2016): 8,050

Aportación a Congreso:

Title: In the path of H2020 targets. A new proposal and experimental case to reduce the cost of fuel cells

Authors: A. De las Heras, F.J. Vivas, F. Segura, J.M. Andújar

Event: EHEC18-European Hydrogen Energy Conference

Publication: Proceedings book. Vol. 1, pp. 101-102.

Date: The 14th-16th of March of 2018. Málaga (Spain).

Aportación a Congreso:

Title: Keys for the best selection of the Balance of Plant configuration in a fuel cell system based on a PE stack

Authors: A. De las Heras, F.J. Vivas, F. Segura, J.M. Andújar

Event: WHEC 16-World Hydrogen Energy Conference

Publication: Proceedings book. Vol. 1, pp. 312-313.

ISSN: 9781510838352

Date: The 13th-16th of June of 2016. Zaragoza (Spain).

Aportación a Congreso:

Title: A review of BoP configurations for PEFCs. Experimental study of a suitable topology

Authors: A. De las Heras, F.J. Vivas, F. Segura, J.M. Andújar

Event: IREC 16-International Renewable Energy Conference

Publication: Minute book. Vol 1, pp. 231.

Date: The 22th-24th of March of 2016. Hammamet (Tunisia)

Aportación a Congreso:

Title: Comparison of the influence of ammonia as a contaminant in high and low temperature proton exchange membrane fuel cell performance.

Authors: F. Isorna, E. López, A. De las Heras, J.M. Andújar, J.P. Bolívar.

Event: HYCELTEC 16-Iberian Symposium on Hydrogen, Fuel Cells and Advanced Batteries.

Date: The 5th-8th of July of 2015.

Aportación a Congreso:

Title: A proposal of energy management strategy on hybrid renewable system hydrogen backup.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J.M. Andújar.

Event: IREC 16-International Renewable Energy.

Date: The 22th-24th of March of 2016.

Aportación a Congreso:

Title: A new simulator for hybrid renewable generation systems. A new solution for technological and economic analysis and energy/hydrogen management strategies.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J.M. Andújar.

Event: WHEC 16-World Hydrogen Energy Conference.

ISSN: 9781510838352.

Fecha: 13-16 de junio de 2016

Aportación a Congreso:

Title: Optimal energy management strategy of a hybrid renewable energy system with hydrogen generation and storage.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J.M. Andújar.

Event: WHEC 16-World Hydrogen Energy Conference.

ISSN: 9781510838352.

Fecha: 13-16 de junio de 2016

Aportación a Congreso:

Title: Development of cylindrical polymer electrolyte fuel cells (PEFC) using COTS components

Authors: F. López, A. De las Heras, J. Sáenz, F. Isorna, C. José, J. A. Salva.

Event: WHEC 16-World Hydrogen Energy Conference.

ISSN: 9781510838352.

Fecha: 13-16 de junio de 2016

Aportación a Congreso:

Title: Configuration of a Fuel Cell System. Clues to choose between a modular or single stack-based design.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J.M. Andújar.

Event: IECON 16-Annual Conference of the Industrial Electronics Society

Fecha: 24-27 de octubre de 2016

Aportación a Congreso:

Title: Cell Voltage Monitoring All in One. A new low cost solution for degradation analysis on Polymer Electrolyte Fuel Cells.

Authors: F. J. Vivas, A. De las Heras, F. Segura, J.M. Andújar.

Event: EHEC18-European Hydrogen Energy Conference

Fecha: 14-16 de marzo de 2016