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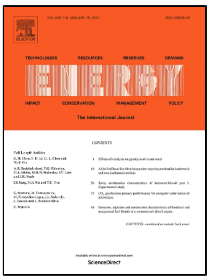

Fuel Cell-based CHP System Modelling using Artificial Neural Networks aimed at developing Techno-Economic Efficiency maximization control systems

F.J. Asensio, J.I. San Martín, I. Zamora, J. Garcia-Villalobos

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- The effect of the energy demand variation on the PEMFC's efficiency is predicted.
- The model relies on experimental data obtained from a 600 W PEMFC.
- It provides the temperature and the hydrogen consumption with good accuracy.
- The range in which the global energy efficiency could be improved is provided.

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