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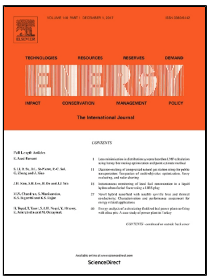

Improved power and long term performance of Microbial Fuel Cell with Fe-N-C catalyst in air-breathing cathode

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PII:	S0360-5442(17)31993-X
DOI:	10.1016/j.energy.2017.11.135
Reference:	EGY 11923
To appear in:	*Energy*
Received Date:	30 July 2017
Revised Date:	28 September 2017
Accepted Date:	24 November 2017

Please cite this article as: Iwona Gajda, John Greenman, Carlo Santoro, Alexey Serov, Chris Melhuish, Plamen Atanassov, Ioannis A. Ieropoulos, Improved power and long term performance of Microbial Fuel Cell with Fe-N-C catalyst in air-breathing cathode, *Energy* (2017), doi: 10.1016/j.energy.2017.11.135

Highlights

- Long-term investigation into Fe-AAPyr catalyst in Microbial Fuel Cell
- The maximum power density up to 1.3 Wm^{-2} (54 Wm^{-3})
- Stability and improvement in time (1 year) when continuously operated on wastewater
- Electrochemical extraction of catholyte shows correlation with power performance
- Catholyte solution (pH >13) prevents biofouling and could be used as disinfectant