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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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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 ($\text{pH} > 13$) prevents biofouling and could be used as disinfectant

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