

# Accepted Manuscript

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PII: S0045-6535(17)31991-4

DOI: [10.1016/j.chemosphere.2017.12.030](https://doi.org/10.1016/j.chemosphere.2017.12.030)

Reference: CHEM 20410

To appear in: *ECSN*

Received Date: 23 October 2017

Revised Date: 5 December 2017

Accepted Date: 6 December 2017

Please cite this article as: Yun, H., Liang, B., Kong, D., Wang, A., Improving biocathode community multifunctionality by polarity inversion for simultaneous bioelectroreduction processes in domestic wastewater, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2017.12.030.

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**Improving biocathode community multifunctionality by polarity inversion for simultaneous bioelectroreduction processes in domestic wastewater**

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**Abstract**

Bioelectrochemical systems (BESs) have been tentatively applied for wastewater treatment processes, but the complex composition of wastewater could lead to difficulties in establishing functional biofilm or result in performance instability. Few studies have investigated the enrichment of biocathode with domestic wastewater (DW) and the function. A biocathode with multi-pollutant removal capabilities was

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