

Accepted Manuscript

Title: Conversion of waste textile cellulose fibers into heavy metal adsorbents

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PII: S1226-086X(16)30241-6
DOI: <http://dx.doi.org/doi:10.1016/j.jiec.2016.07.048>
Reference: JIEC 3023



To appear in:

Received date: 19-3-2015
Revised date: 18-3-2016
Accepted date: 29-7-2016

Please cite this article as: John Kwame Bediako, Wei Wei, Yeung-Sang Yun, Conversion of waste textile cellulose fibers into heavy metal adsorbents, Journal of Industrial and Engineering Chemistry <http://dx.doi.org/10.1016/j.jiec.2016.07.048>

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Highlights

- High-performance adsorbent fibers, CMC-LS and CMC-LF were developed.
- High-capacity and high-rate cadmium removal was achieved.
- About 70% of total Cd(II) uptake capacity of CMC-LS was achieved in flow-through column.
- Nature of the pristine materials and modification process affected their overall performances.

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