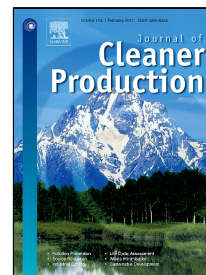


Accepted Manuscript

Energy requirements and Life Cycle Assessment of production and product integration of silver, copper and zinc nanoparticles

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PII: S0959-6526(17)30097-5
DOI: 10.1016/j.jclepro.2017.01.083
Reference: JCLP 8830
To appear in: *Journal of Cleaner Production*

Received Date: 18 September 2016
Revised Date: 05 December 2016
Accepted Date: 16 January 2017

Please cite this article as: Martin Slotte, Ron Zevenhoven, Energy requirements and Life Cycle Assessment of production and product integration of silver, copper and zinc nanoparticles, *Journal of Cleaner Production* (2017), doi: 10.1016/j.jclepro.2017.01.083

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Highlights

- Specific energy consumption varied greatly between metals
- Specific energy consumption was around 0.81 kWh/g silver NP product
- Life cycle impact varies greatly between metals and production setup
- Life cycle impact for NP product depends significantly on NP fraction
- The environmental impact is mainly determined by the metal and electricity used

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