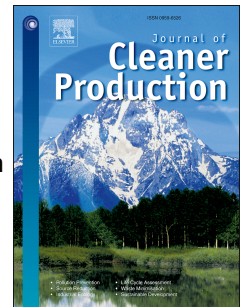


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A hierarchical framework for concurrent assessment of energy and water efficiency in manufacturing systems

Smaeil Mousavi, Sami Kara, Bernard Kornfeld



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Smaeil Mousavi

E: S.Mousavi@unsw.edu.au

Sustainable Manufacturing & Life Cycle Engineering Research Group, School of Mechanical & Manufacturing Engineering, University of New South Wales, NSW, 2052, Australia

Sami Kara*

E: S.Kara@unsw.edu.au

Sustainable Manufacturing & Life Cycle Engineering Research Group, School of Mechanical & Manufacturing Engineering, University of New South Wales, NSW, 2052, Australia

Bernard Kornfeld

E: bernard.kornfeld@unsw.edu.au

Sustainable Manufacturing & Life Cycle Engineering Research Group, School of Mechanical & Manufacturing Engineering, University of New South Wales, NSW, 2052, Australia

* Corresponding author

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