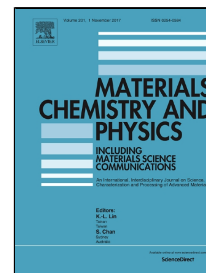


# Accepted Manuscript

Non-woven fabric supported manganese dioxide microparticles as a low-cost, easily recoverable catalyst for hydrogen peroxide decomposition

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**Highlights**

Non-woven fabric used as a carrier for inorganic particles adsorption

Manganese dioxide particles bound to non-woven fabric

The prepared composite used for hydrogen peroxide decomposition

Magnetically responsive fabric formed by a steel staple insertion

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