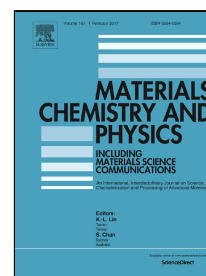


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Corrosion Resistance Improvement of Nitinol by Anodisation in the Presence of Molybdate Ions

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Highlights

- NiTi alloy was anodised applying a low voltage in the presence of a MoO_4^{2-} solution.
- The formed oxides provided good corrosion protection to the substrate.
- The presence of Mo in the oxide film was confirmed by different techniques.
- The increase of the Ti/Ni ratio in the oxidised sample was key to protection.

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