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Title: Investigation of anodic oxide coatings on zirconium after heat treatment

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Highlights:

- Oxide layers prepared *via* PEO of zirconium were subjected to heat treatment.
- Surface characteristics were determined for the obtained oxide coatings.
- Heat treatment led to the partial destruction of the anodic oxide layer.
- Pitting corrosion resistance of zirconium was improved after the modification.

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