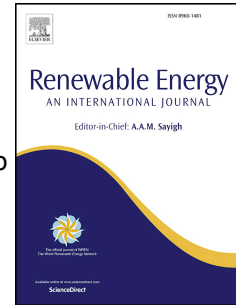


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Transient characteristics during the closure of guide vanes in a pump-turbine in pump mode

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1 **Transient characteristics during the closure of guide**
2 **vanes in a pump-turbine in pump mode**

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