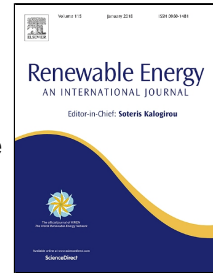


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An Effect Assessment and Prediction Method of Ultrasonic De-icing for Composite Wind Turbine Blades

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1) This work established a quantitative model in describing ultrasonic deicing effect for wind turbine blades, which can predict the deicing process and time in details.

2) This method bridge the gap between variety influence factor and the ultrasonic de-icing effect.

3) The relationship between parameters (such as geometry dimension of piezoelectric actuators, the power input and the distribution of transducers) and de-icing time was revealed quantitatively.

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