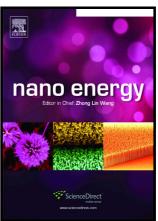
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Electricity modulation of a water motion active

transducer via surface functionality control

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Keywords: surface functionality control, pH sensor, ion-functional device, electricity generator,

electricity modulation

Abstract

Recently, the water motion active transducer, an electricity generator which uses water contact

variations, has attracted much attention as an eco-friendly energy harvesting device. In order to

understand the electricity generation induced by ionic behavior in water at the solid-liquid

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