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(54) **ELECTROCHEMICAL DEVICES,
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(57) **ABSTRACT**

An electrochemical device and electronic device, including a positive electrode plate and a negative electrode plate, wherein the positive electrode plate includes a positive electrode current collector and a positive electrode active material, and the negative electrode plate includes a negative electrode current collector and a group of step coatings disposed on surface of the negative electrode current collector close to the positive electrode plate, and a weight of the positive electrode active material per unit area on the positive electrode current collector is g_a expressed in cm^2 , a gram capacity of the positive active material is C_a expressed in mAh/g , a thickness of the step coating is L expressed in μm , and a theoretical volume gram capacity of sodium metal is X expressed in mAh/cm^3 , and L satisfies Formula (I) are described.

$$L = \frac{C_a * g_a}{X} * 10000 * (1 \pm 0.1). \tag{I}$$

