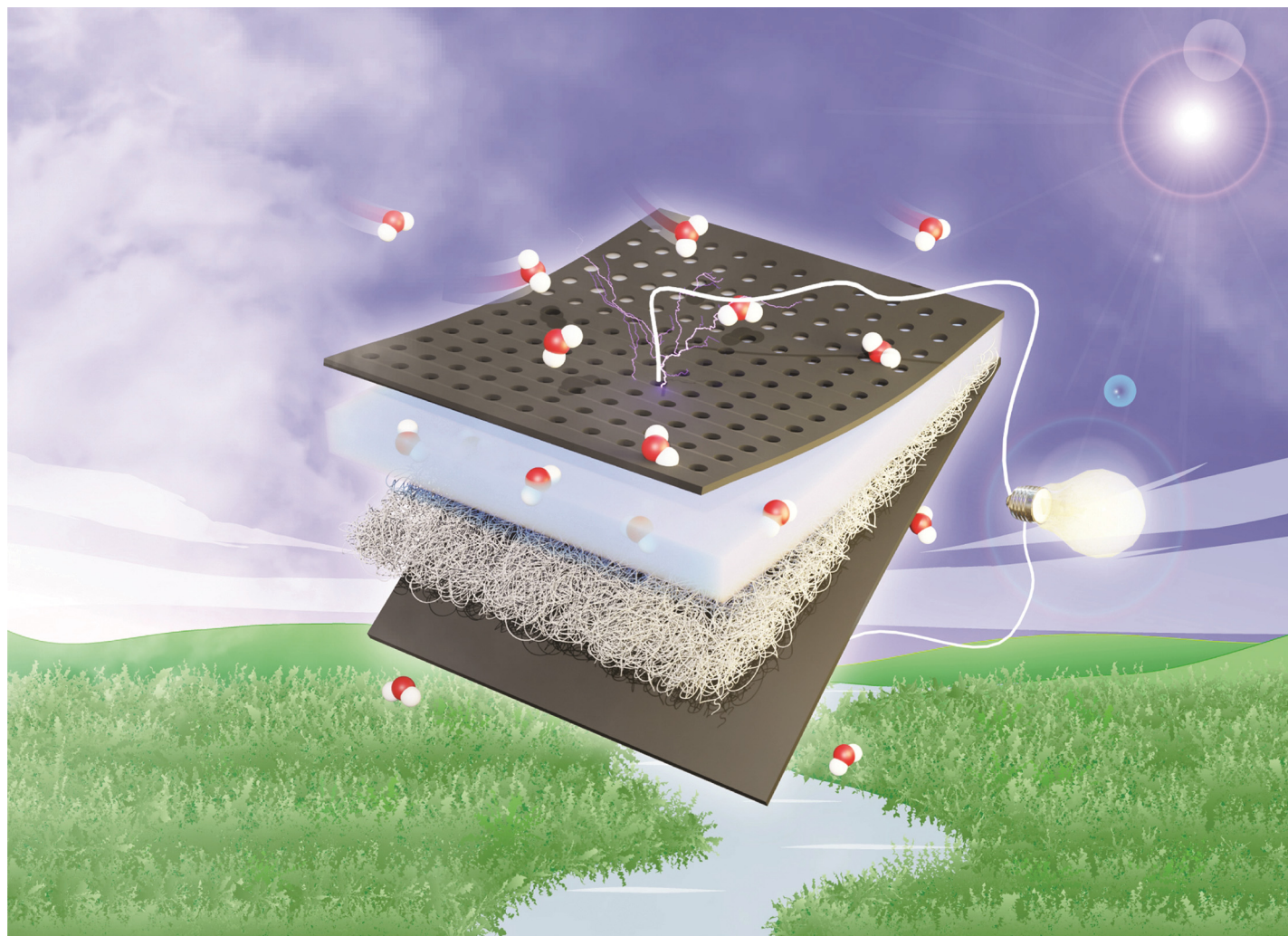


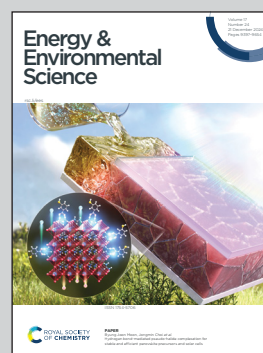


Showcasing research from Professor Ruiyuan Liu's laboratory, College of Energy, Soochow University, Suzhou, China.

Advances in asymmetric moist-electric generators with innovative heterogeneous structures

Unlike liquid water, moisture has long been underutilized and even recognized as a negative presence. Harvesting energy through moisture-induced potentials is a promising green technology that offers a new approach to utilize moisture. The emergence of high-performance asymmetric moist-electric generators with the inhomogeneous distribution of their moist-electric active layer has significantly propelled this field forward, as the asymmetric structures can effectively regulate the moisture adsorption and ion migration.

As featured in:



See Ruiyuan Liu *et al.*,
Energy Environ. Sci., 2024, **17**, 9406.