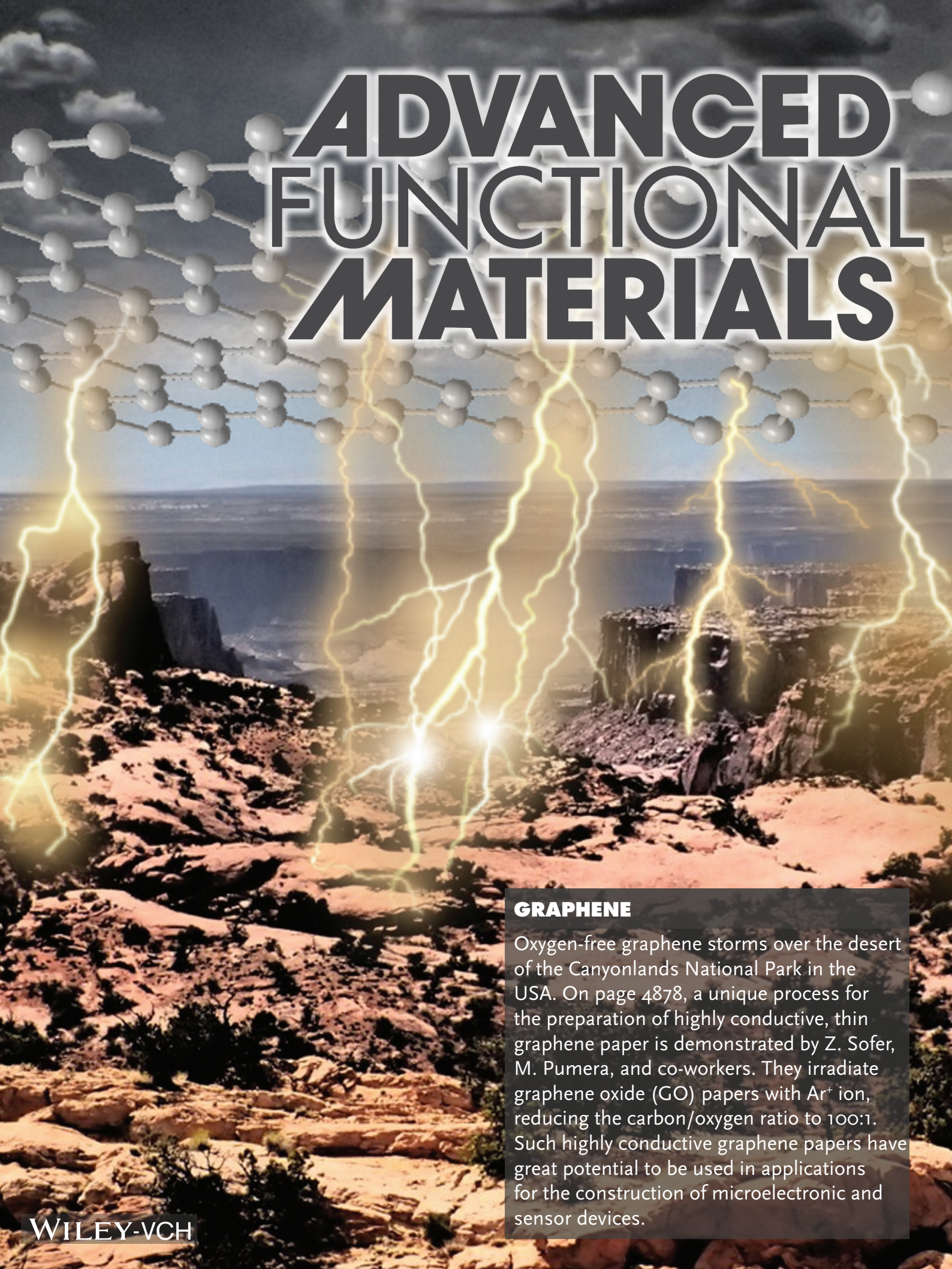

ADVANCED FUNCTIONAL MATERIALS

GRAPHENE

Oxygen-free graphene storms over the desert of the Canyonlands National Park in the USA. On page 4878, a unique process for the preparation of highly conductive, thin graphene paper is demonstrated by Z. Sofer, M. Pumera, and co-workers. They irradiate graphene oxide (GO) papers with Ar^+ ion, reducing the carbon/oxygen ratio to 100:1. Such highly conductive graphene papers have great potential to be used in applications for the construction of microelectronic and sensor devices.

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