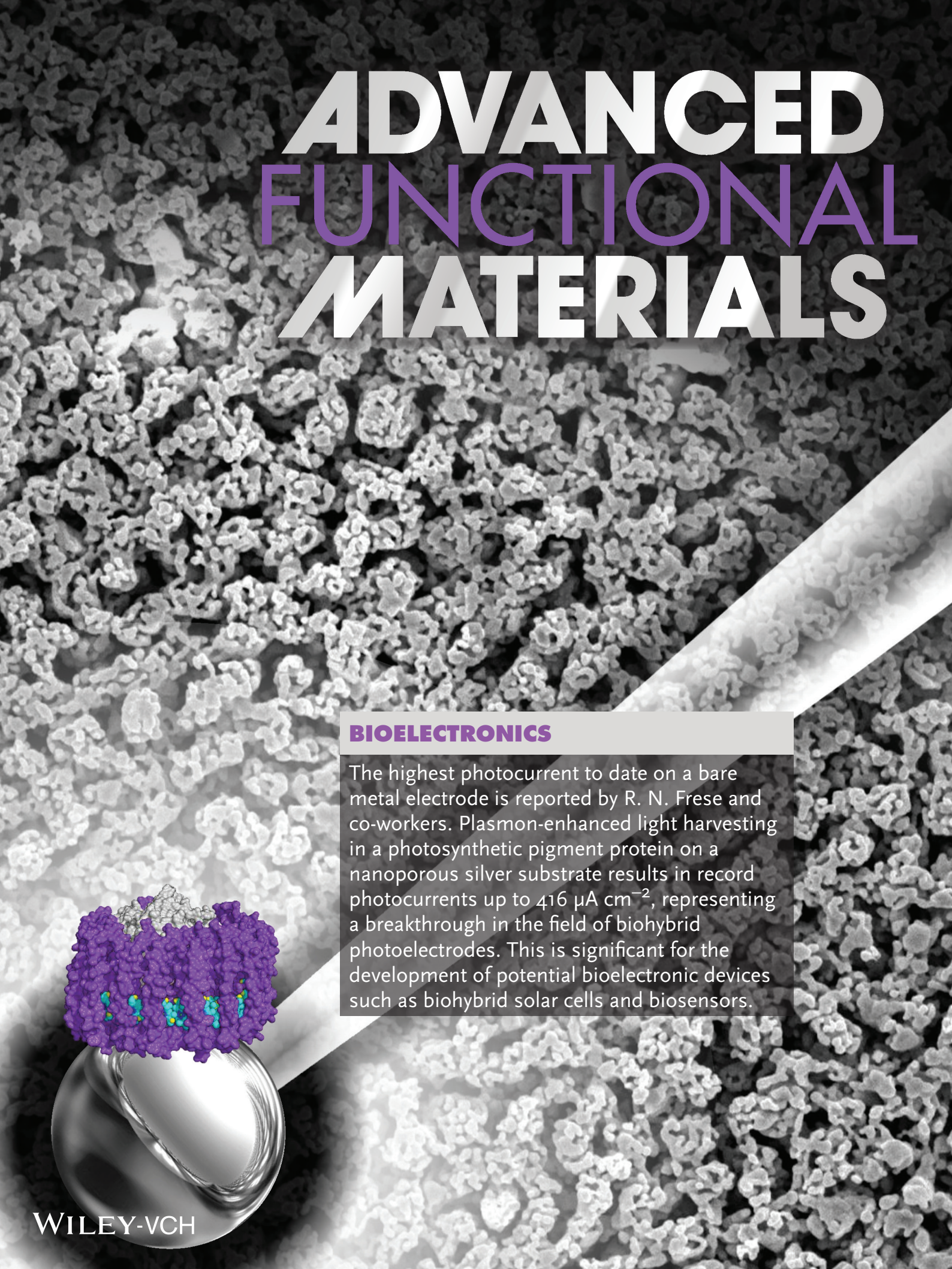
ADVANCED FUNCTIONAL MATERIALS



BIOELECTRONICS

The highest photocurrent to date on a bare metal electrode is reported by R. N. Frese and co-workers. Plasmon-enhanced light harvesting in a photosynthetic pigment protein on a nanoporous silver substrate results in record photocurrents up to 416 μA cm^{-2}, representing a breakthrough in the field of biohybrid photoelectrodes. This is significant for the development of potential bioelectronic devices such as biohybrid solar cells and biosensors.

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