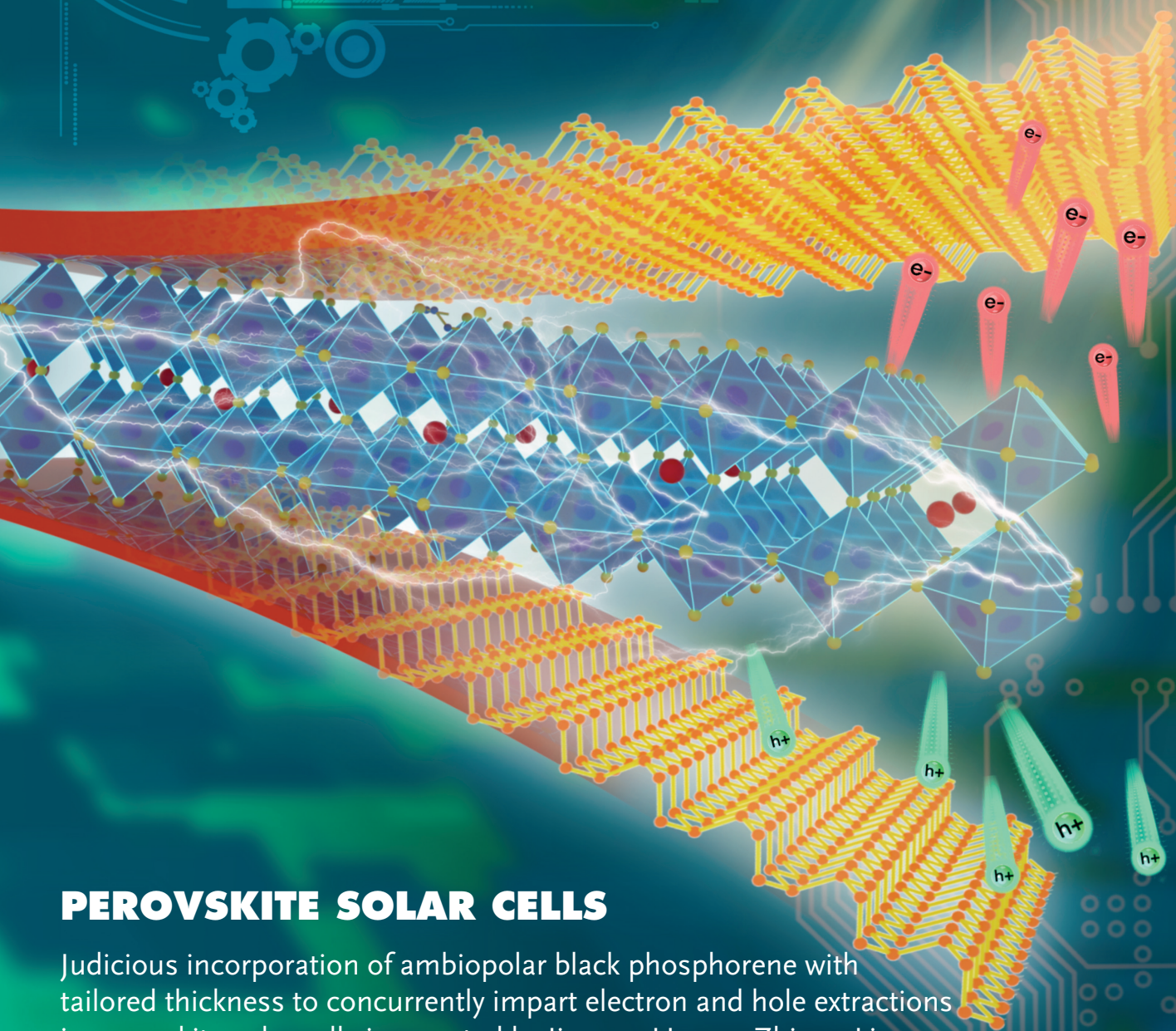


ADVANCED MATERIALS



PEROVSKITE SOLAR CELLS

Judicious incorporation of ambipolar black phosphorene with tailored thickness to concurrently impart electron and hole extractions in perovskite solar cells is reported by Jinsong Huang, Zhiqun Lin, and co-workers in article number 2000999. This work underpins the potential implementation of black phosphorene as a dual-functional transport material for a diversity of optoelectronic devices, including photodetectors, sensors, and light-emitting diodes.