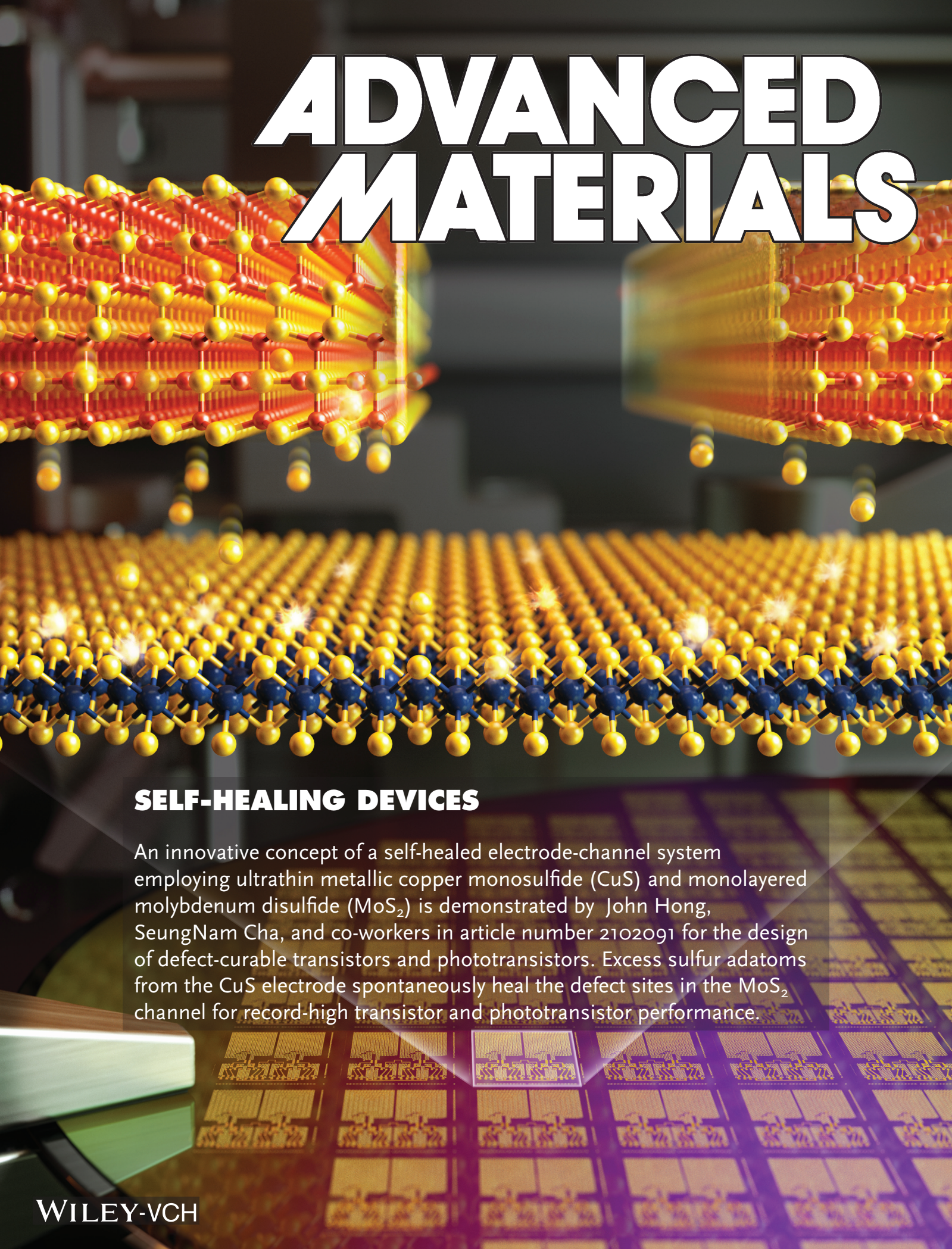

ADVANCED MATERIALS

SELF-HEALING DEVICES

An innovative concept of a self-healed electrode-channel system employing ultrathin metallic copper monosulfide (CuS) and monolayered molybdenum disulfide (MoS_2) is demonstrated by John Hong, SeungNam Cha, and co-workers in article number 2102091 for the design of defect-curable transistors and phototransistors. Excess sulfur adatoms from the CuS electrode spontaneously heal the defect sites in the MoS_2 channel for record-high transistor and phototransistor performance.

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