



Highlighting research on recyclable magneto-electronics led by Dr. Rui Xu and Dr. Denys Makarov at the Helmholtz-Zentrum Dresden-Rossendorf e.V.

Printed magnetoresistive sensors for recyclable magneto-electronics

We developed recyclable printed magnetoresistive sensors. Their flexibility, low cost, and scalability make them suitable for integration into flexible electronic products. These sensors are fully recyclable, allowing all constituent materials to be collected for remanufacturing. The low energy consumption of the production process and the recyclability of the materials significantly reduce the environmental impact of these magnetic field sensors.

As featured in:



See Denys Makarov, Rui Xu *et al.*,
J. Mater. Chem. A, 2024, **12**, 24906.