Use formic acid for hydrogen storage

Renewable energy can be easily used by hydrogen extraction. Its conversion into formic acid makes it an easy fuel to store and transport.

Formic acid is produced from biomass or through the hydrogenation of CO2. It can be stored at room temperature in a tank.

The technology developed by EPFL and GRT Group transforms formic acid into hydrogen gas through catalysis.

The hydrogen then passes through the fuel cell to produce electricity. The CO2 that passes through the device can be re-used to produce more formic acid.

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