

Macro Roundup Article

Headline: [Seawater Electrolysis Ignites New Hope for Affordable Green Hydrogen](#)

Article Link: <https://www.ft.com/content/aeab5699-8532-47be-a395-656c01b3ca48>

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Tweet: The @FT reports a claim by Chinese researchers that they have produced hydrogen directly from seawater, without the need to desalinate or purify the seawater first, advancing a long-term goal of hydrogen power.

Summary: Researchers in China claim to have produced hydrogen by splitting seawater without the need to desalinate or purify it first. Heping Xie at Shenzhen University and Zongping Shao at Nanjing Tech kept the electrolyser separate from the seawater with a waterproof, breathable membrane. A bit like a sieve, the membrane keeps anything other than pure water vapor from entering the electrolyser. As the water vapor is drawn in and converted to hydrogen, more is pulled in from the seawater to take its place. It is, they reported recently in the journal Nature, a self-sustaining system. The scientists installed a prototype in China's Shenzhen Bay and produced more than 1mn liters of hydrogen over 133 days without any reported deterioration.

Primary Topic: Innovation/Research

Topics: Factoid, Innovation/Research, News article, Productivity, Sell-by Date

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