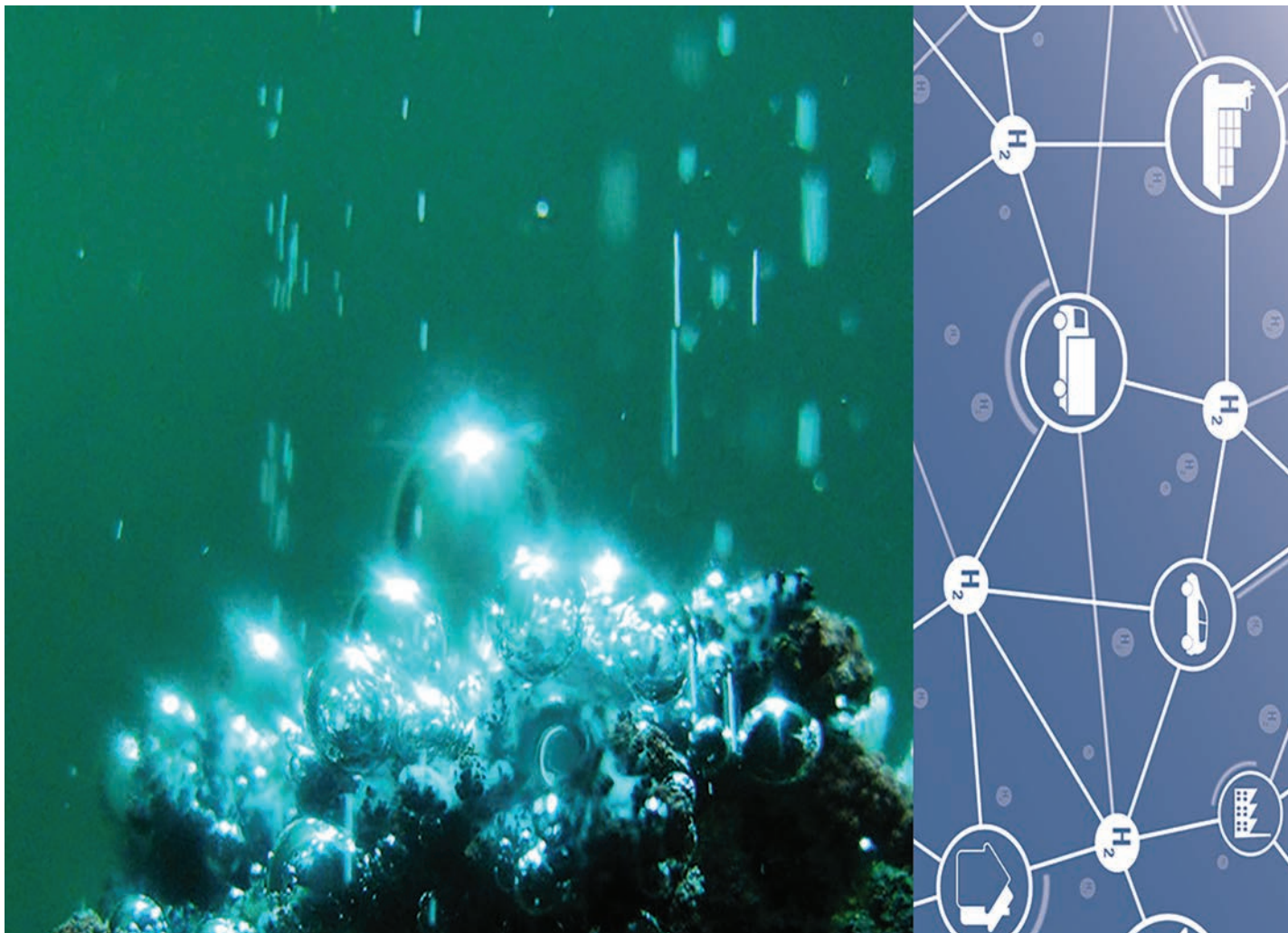




Showcasing research on new generation Ni-based catalysts for low-cost alkaline water electrolysis from Rosaria Ciriminna's and Mario Pagliaro's laboratory, Istituto per lo Studio dei Materiali Nanostrutturati, CNR, Palermo, Italy.

Enhanced nickel catalysts for producing electrolytic hydrogen

Perspective devises innovation paths to low-cost alkaline water electrolysis *via* enhanced Ni-based catalysts and deposition methods. The most promising routes are nanostructured and single-atom catalysts coupled to 3D printing for the deposition of the electrocatalytic layer on electrodes of large active area and optimal shape.

As featured in:



See Rosaria Ciriminna and Mario Pagliaro, *RSC. Sustainability*, 2023, 1, 1386.