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Title: Self-healing Hydrogel Containing Eu-Polyoxometalate as Acid-Base Vapor Modulated Luminescent Switch

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Self-healing Hydrogel Containing Eu-Polyoxometalate as Acid-Base Vapor Modulated

Luminescent Switch

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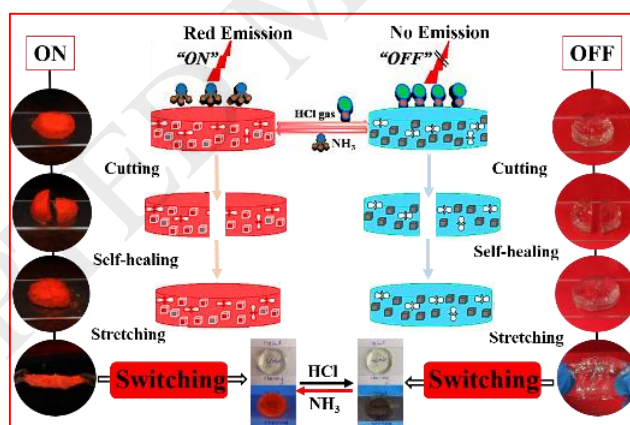
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Graphical Abstract

Herein, we demonstrate a reversible luminescence on/off switching in Eu-POM based self-healing material, which can be processed into a range of shapes.



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Highlights:

- A hydrogel (EuPOM/PAMPSA) based on EuPOM and PAMPSA was readily prepared.
- The hydrogel exhibits effective self-healing behavior without any external stimulus.
- The hydrogel exhibits reversible on/off luminescence switching performance.

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