**Supplementary Information**

Liquid-assisted solid-state reaction: Assembly of (6,3) and (10,3) hydrogen-bonded networks based on [M(Hbiim)\textsubscript{3}] by oxidation of [M(H\textsubscript{2}biim)\textsubscript{3}]\textsuperscript{2+} complexes in the presence of acetate anion

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![Fig. S1. TGA of complex 2.](image-url)
**Fig. S2.** The color changes of the reactant (left) and the product (right) in the solid-state reaction of complex 1.

![Color changes of complex 1](image1)

**Fig. S3.** The color changes of the reactant (left) and the product (right) in the solid-state reaction of complex 2.

![Color changes of complex 2](image2)

**Fig. S4.** The CV curves of [Ru(H₂biim)₃](PF₆)₂ in acetonitrile (5×10⁻³ M, vs Ag/AgNO₃) upon addition of Bu₄NOAc: (1) 0 equiv, (2) 0.5 equiv, (3) 1 equiv, (4) 1.5 equiv, and (5) 2 equiv.

![CV curves](image3)