

Supporting information:

Two-step synthesis, structure and adsorption property of a novel zinc phosphonocarboxylate framework

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Figure S1. TGA curve of as-synthesized compounds **1-2a**

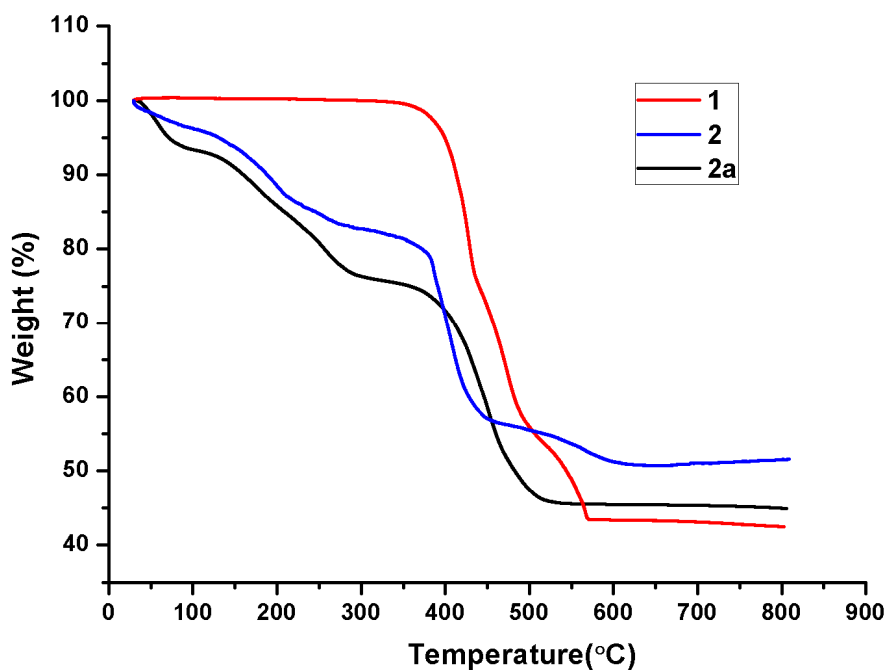


Figure S2. PXRD patterns of as-synthesized compound **1** and the simulation from single crystal structure.

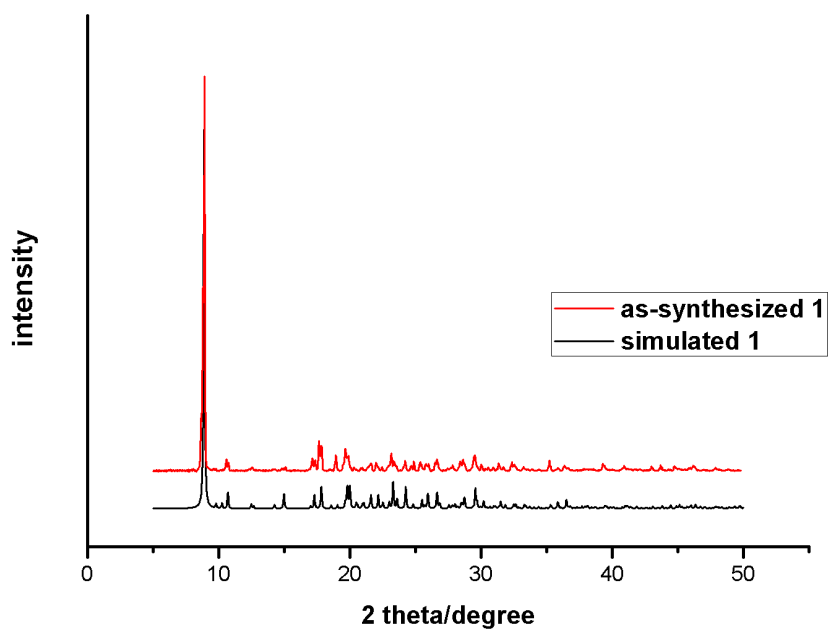


Figure S3. PXRD patterns of as-synthesized compound **2**, the simulation from single crystal structure and calcined **2** at 100 °C.

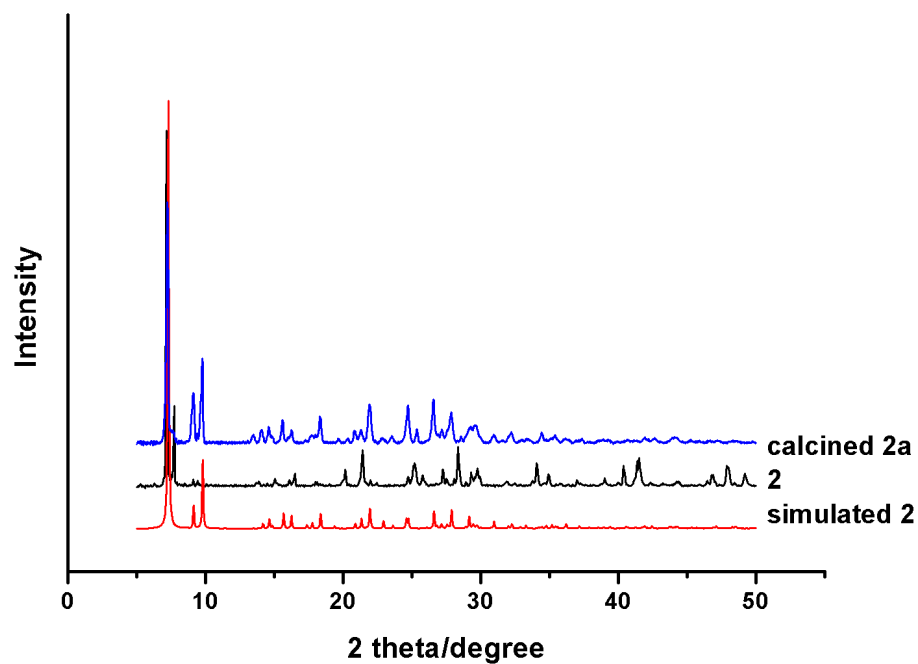


Figure S4. PXRD patterns of as-synthesized compound **2a** and the simulation from single crystal structure.

