

Supplementary Information

Novel nickel metal-organic framework with fluorite-like structure: Gas adsorption properties and catalytic activity in Knoevenagel condensation

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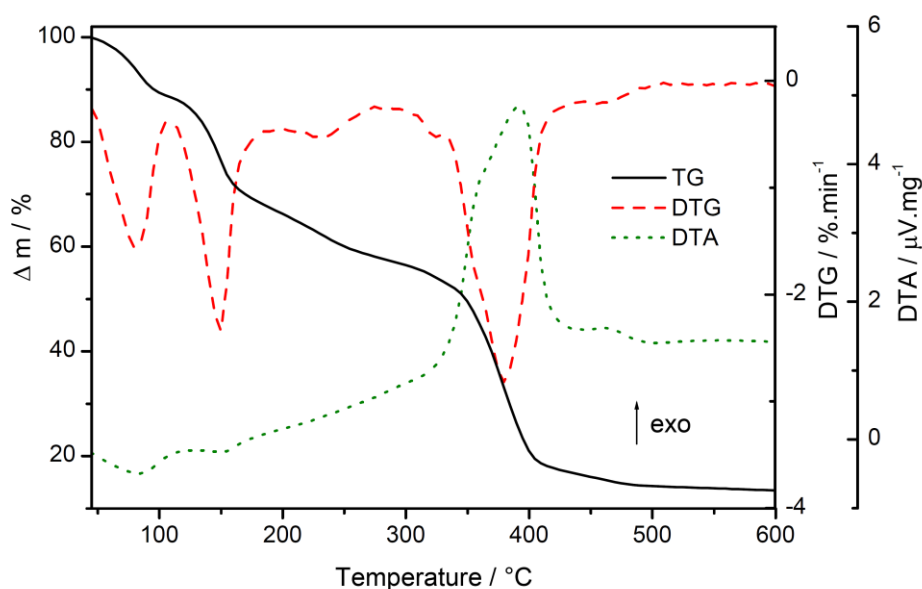


Figure S1. TG/DTG-DTA curves of **1** measured in atmosphere of air.

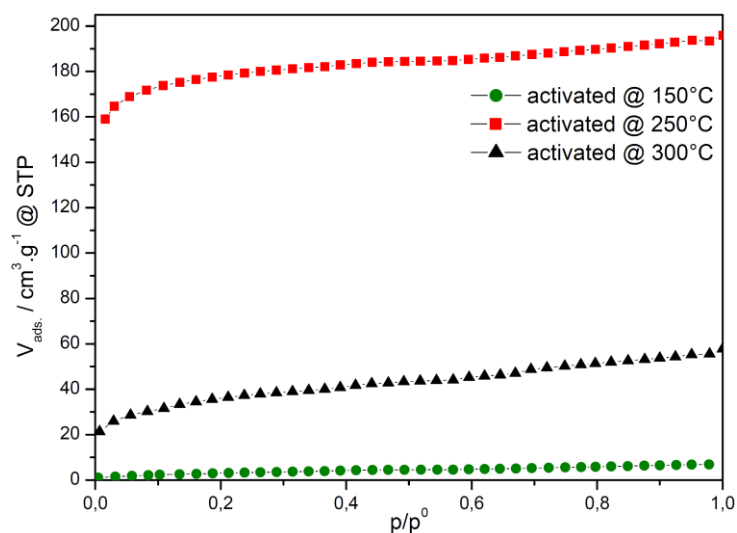


Figure S2. Nitrogen adsorption isotherms of **1** measured after activation of the sample at: 150°C (green circles), 250°C (red squares), 300°C (black triangles).

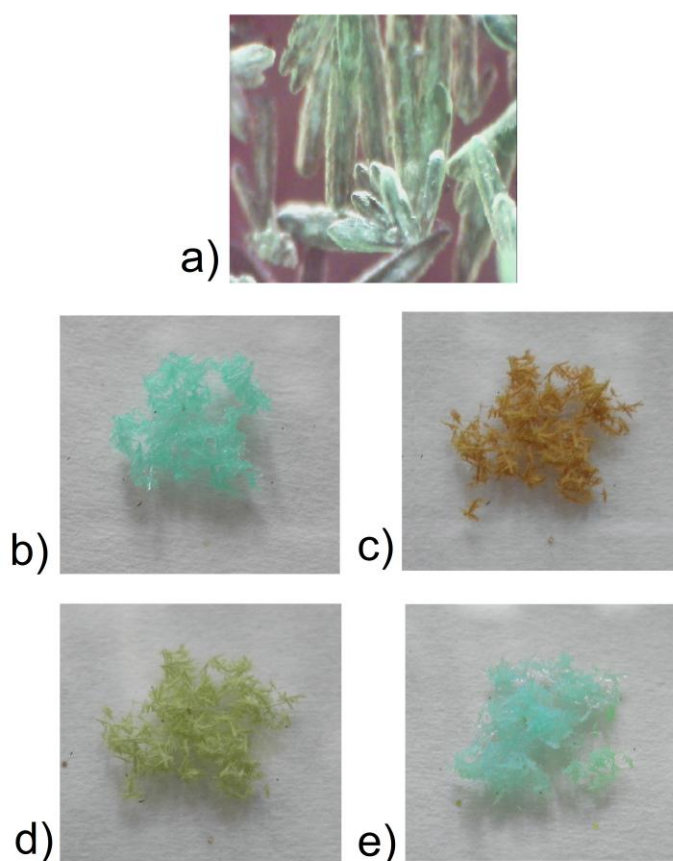


Figure S3 Optical microscopy images of as synthesized sample **1** a) 5 x zoom, b) 2 x zoom. Microscopy images of **1** activated at 250°C (c); after 5-minute explosion at room temperature and ambient humidity (d); sample after resolvation in a solvent mixture DMF/EtOH/H₂O (1:1:1) (solvatochromism).