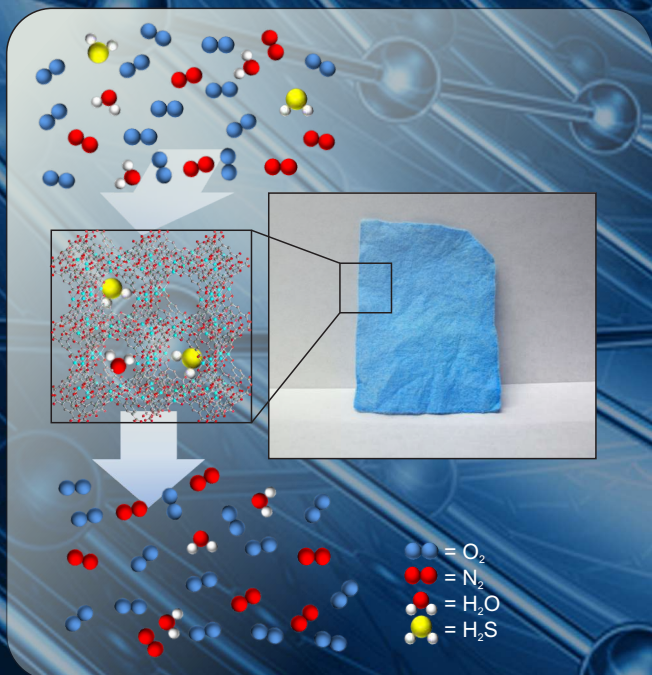




Applications of Metal-Organic Frameworks

Removal of H₂S from an air stream



Cu₃BTC₂

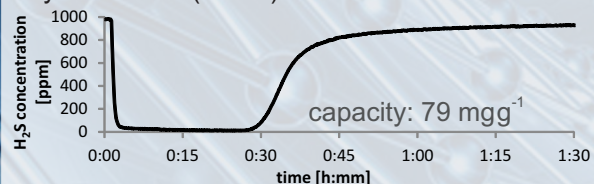
- porous copper MOF with open metal sites
- surface area ~ 1400 m²g⁻¹
- specific pore volume ~ 0,7 cm³g⁻¹
- available as powder, compact particles or immobilized in textiles and papers

H₂S removal

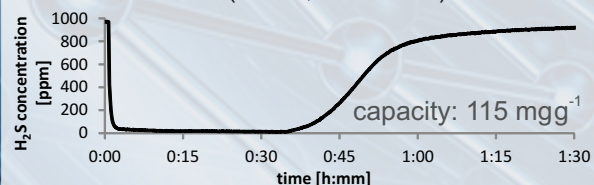
Breakthrough tests:

- removal of 1000 ppm H₂S from air stream
- flow rate: 0.1 ms⁻¹
- column: ø7.2 mm x 21 mm

dry conditions (297 K):



humid conditions (297 K, RH= 70%):



Applications

- H₂S removal in ppm region independant of humidity
- filter media additive for gas cleaning, automotive applications, protective equipment etc.

Information, quantities and prices:

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