Supplementary materials:

S-Figure 1. XPS spectrum of compound 2.

![XPS spectrum of compound 2](image)

S-Figure 2. The Inorganic networks in compounds 1, 2 and 4.

Compound 1:
Compound 2:

Compound 4:

Symmetry codes: (i) -x, 2-y, 1-z
(ii) -x, 1-y, 1-z