

## Enhanced gas sorption properties and unique behavior toward liquid water in a pillared-paddlewheel metal–organic framework transmetalated with Ni(II).

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### Streszczenie

The synthesis of a permanently porous pillared-paddlewheel metal–organic framework (MOF) was achieved through transmetalation of Zn(II) with Ni(II). The MOF can be treated with liquid water, leading to the reversible displacement of 50% of its pillars by water molecules and resulting in a most unusual crystalline and permanently porous structure.

### Adres publiczny

<http://dx.doi.org/10.1021/ic501467w>

### Strona internetowa wydawcy

<https://www.acs.org/content/acs/en.html>

