



**University of  
Zurich**<sup>UZH</sup>

**Zurich Open Repository and  
Archive**

University of Zurich  
University Library  
Strickhofstrasse 39  
CH-8057 Zurich  
[www.zora.uzh.ch](http://www.zora.uzh.ch)

---

Year: 2016

---

## **Formation and properties of a terpyridine-based 2D MOF on the surface of water**

Koitz, Ralph ; Hutter, Jürg ; Iannuzzi, Marcella

DOI: <https://doi.org/10.1088/2053-1583/3/2/025026>

Posted at the Zurich Open Repository and Archive, University of Zurich

ZORA URL: <https://doi.org/10.5167/uzh-128626>

Journal Article

Supplemental Material

Originally published at:

Koitz, Ralph; Hutter, Jürg; Iannuzzi, Marcella (2016). Formation and properties of a terpyridine-based 2D MOF on the surface of water. *2D Materials*, 3(2):25026.

DOI: <https://doi.org/10.1088/2053-1583/3/2/025026>

**Ralph Koitz**<sup>1</sup>

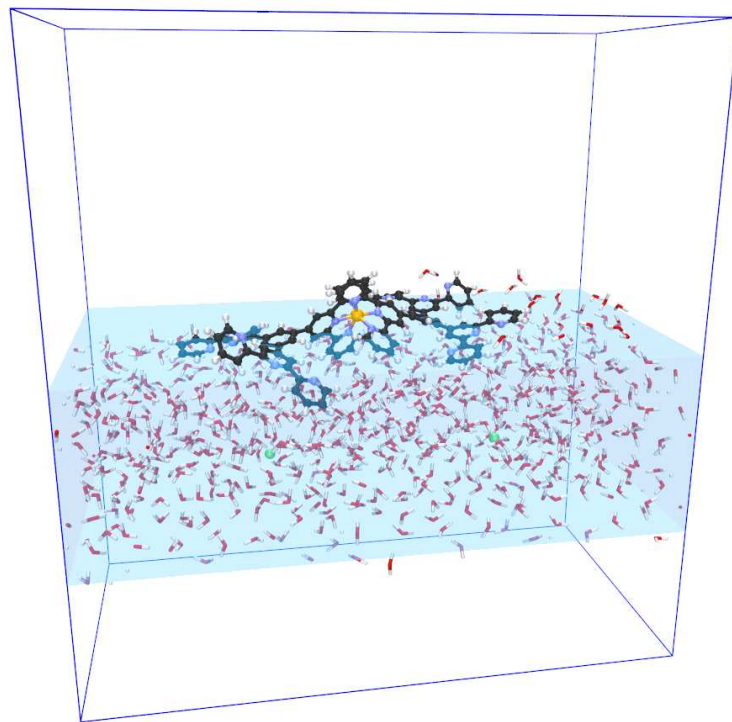
E-mail: ralph.koitz@chem.uzh.ch, Phone: +41 44 635 44 91

**Jürg Hutter**<sup>1</sup>

**Marcella Iannuzzi**<sup>1</sup>

<sup>1</sup>Department of Chemistry, University of Zurich, Winterthurerstrasse 190, 8057 Zurich, Switzerland

## **Supplementary Information: Formation and Properties of a Terpyridine-based 2D MOF on the Surface of Water**



**Figure S1.** Schematic of the simulation cell consisting of two TTPB molecules bridged by a  $\text{Zn}^{2+}$  ion,  $\text{Cl}^-$  counter ions, and 724 water molecules in a volume of  $52 \times 26 \times 16 \text{ \AA}^3$  (light blue). The total height of the cell is  $75 \text{ \AA}$  (not drawn to scale).

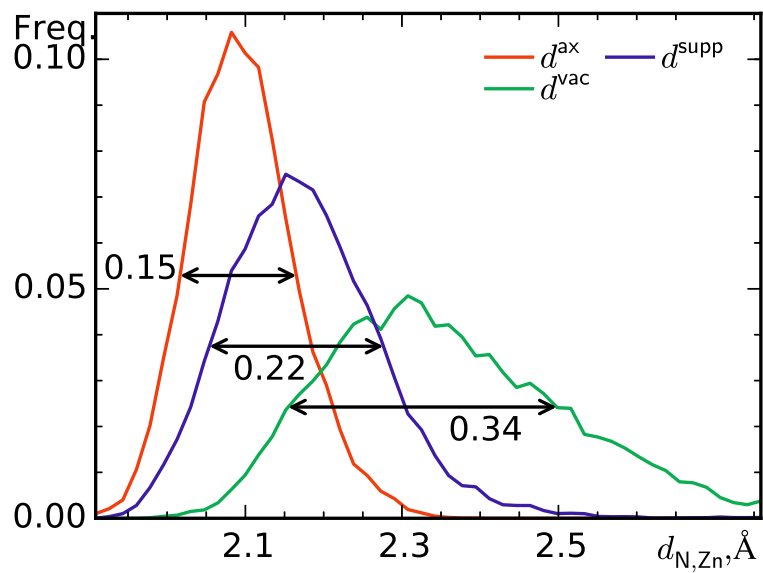


Figure S2. Distributions of N-Zn distances ( $\text{\AA}$ ) in TTPB<sub>2w</sub>-Zn.