

Accepted Manuscript

An anionic metal-organic framework as a platform for charge-and size-dependent selective removal of cationic dyes

Shu-Na Zhao, Chidharth Krishnaraj, Himanshu Jena, Dirk Poelman, Pascal Van Der Voort



PII: S0143-7208(18)30169-4

DOI: [10.1016/j.dyepig.2018.04.023](https://doi.org/10.1016/j.dyepig.2018.04.023)

Reference: DYPI 6684

To appear in: *Dyes and Pigments*

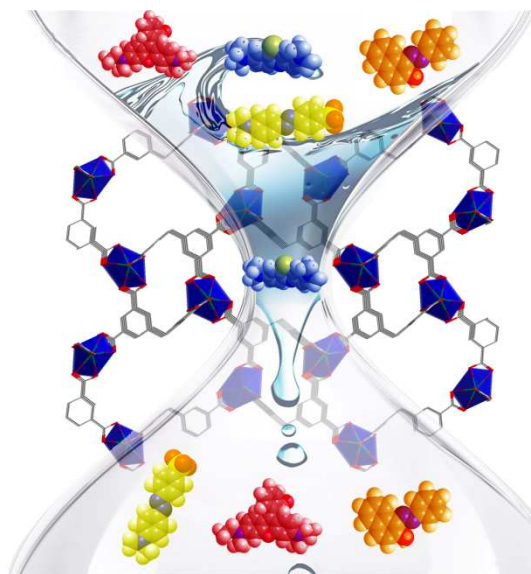
Received Date: 23 January 2018

Revised Date: 12 April 2018

Accepted Date: 13 April 2018

Please cite this article as: Zhao S-N, Krishnaraj C, Jena H, Poelman D, Van Der Voort P, An anionic metal-organic framework as a platform for charge-and size-dependent selective removal of cationic dyes, *Dyes and Pigments* (2018), doi: 10.1016/j.dyepig.2018.04.023.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



An anionic MOF $\{[\text{Me}_2\text{NH}_2]_{0.5}[\text{In}_{0.5}\text{L}_{0.5}] \cdot x\text{DMF}\}_n$ with two one-dimensional channels along the b axis of about $7.37 \times 11.95 \text{ \AA}$ and $6.58 \times 7.24 \text{ \AA}$ was successfully synthesized and built a platform for charge- and size-dependent selective separation of methylene blue used as the chromatographic column stationary phase.

Download English Version:

<https://daneshyari.com/en/article/6598556>

Download Persian Version:

<https://daneshyari.com/article/6598556>

[Daneshyari.com](https://daneshyari.com)