

# MSDE

## Molecular Systems Design & Engineering rsc.li/molecular-engineering

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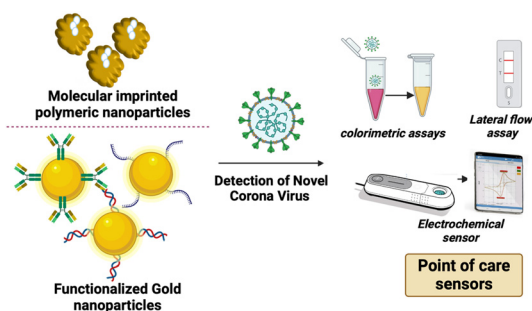
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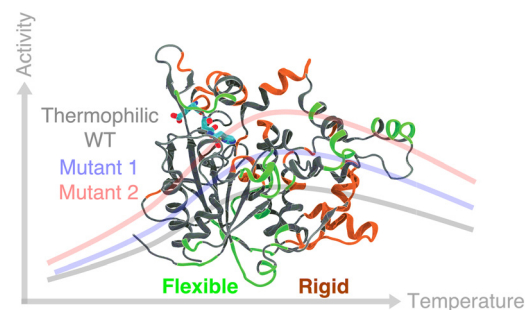


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#### Exploitation of active site flexibility-low temperature activity relation for engineering broad range temperature active enzymes

Siva Dasetty, Jonathan W. P. Zajac and Sapna Sarupria\*



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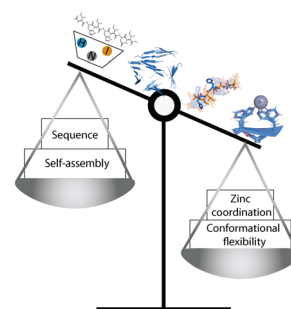


## PAPERS

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# Factors influencing the catalytic activity of metal-dependent histidine-rich peptides: sequence, conformation, stereochemistry, self-assembly or their interplay?

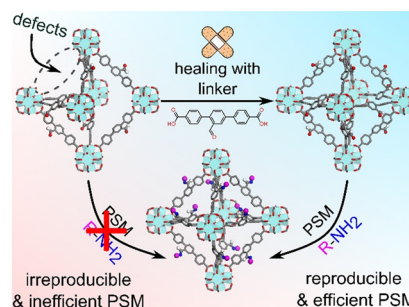
Patrizia Janković, Marko Babić, Marko Perčić, Ana S. Pina and Daniela Kalafatovic\*



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# Reducing defect density in UiO-68-CHO is key for its efficient and reliable post-synthetic modification

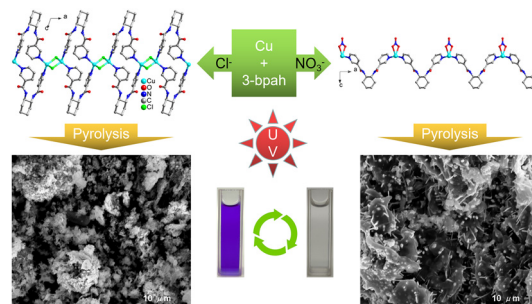
Marcin Wiszniewski and Michał J. Chmielewski\*



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# Influence of anions on the synthesis of Cu(I)-based coordination polymers along with a series of derived materials for selective photocatalytic properties

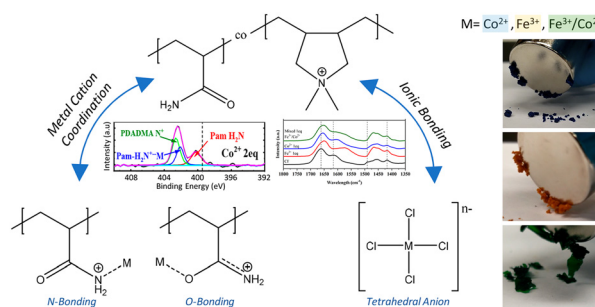
Xiao-Sa Zhang, Jia-Liang Cui, Yu Liu, Wen-Ze Li,\* Yan Liu, Hong Xiang and Jian Luan\*

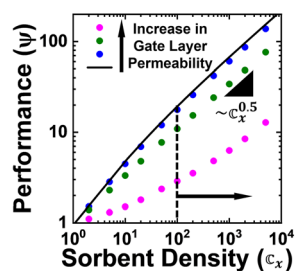
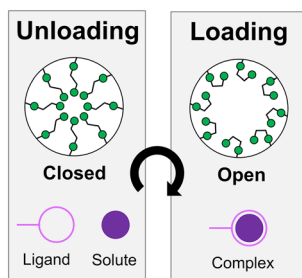


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# Influence of metal-coordinating comonomers on the coordination structure and binding in magnetic poly(ionic liquid)s

Kayla Foley, Lucas Condes and Keisha B. Walters\*





## Isolating the effects of gate layer permeability and sorbent density on the performance of solute-selective polymeric ion pumps

Jonathan Aubuchon Ouimet, Alexander W. Dowling and William A. Phillip\*

