

# MSDE

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

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See Sapna Sarupria et al., pp. 1355–1370.  
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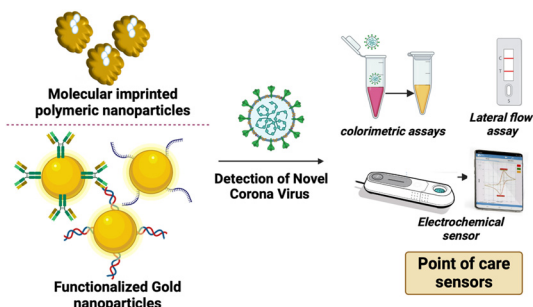
**Inside cover**  
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Pankaj Singla,\* Harpreet Kaur, Saweta Garg, Navalpreet Kaur, Francesco Canfarotta, Rakesh Kumar Mahajan and Marloes Peeters\*

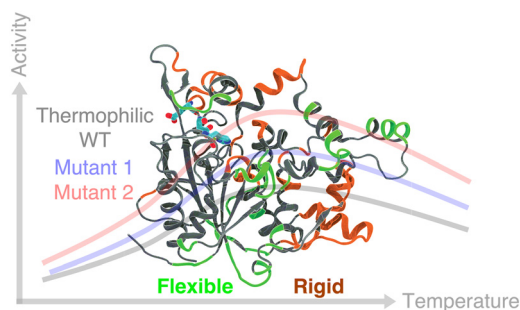


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#### Exploitation of active site flexibility–low temperature activity relation for engineering broad range temperature active enzymes

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



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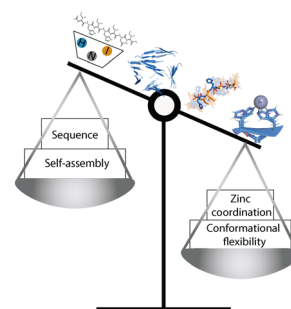
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### Factors influencing the catalytic activity of metal-dependent histidine-rich peptides: sequence, conformation, stereochemistry, self-assembly or their interplay?

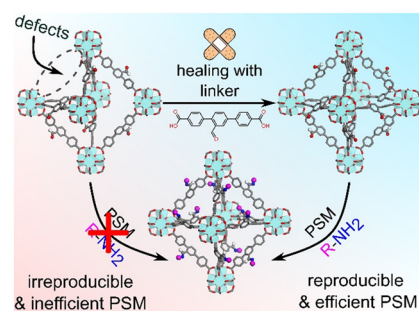
Patrizia Janković, Marko Babić, Marko Perčić, Ana S. Pina and Daniela Kalafatovic\*



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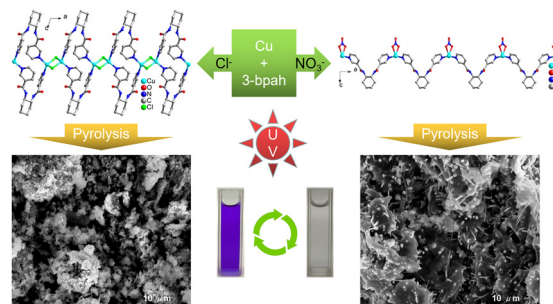
Marcin Wiszniewski and Michał J. Chmielewski\*



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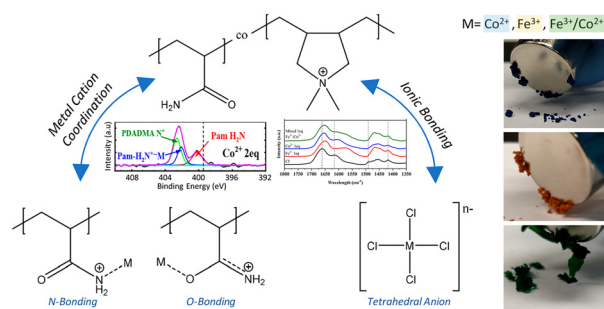
Xiao-Sa Zhang, Jia-Liang Cui, Yu Liu, Wen-Ze Li,\* Yan Liu, Hong Xiang and Jian Luan\*

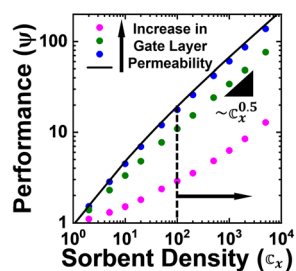
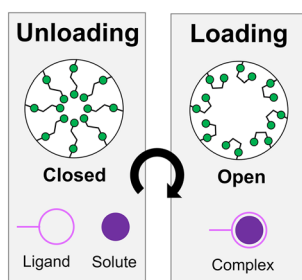


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### Influence of metal-coordinating comonomers on the coordination structure and binding in magnetic poly(ionic liquid)s

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\*

