



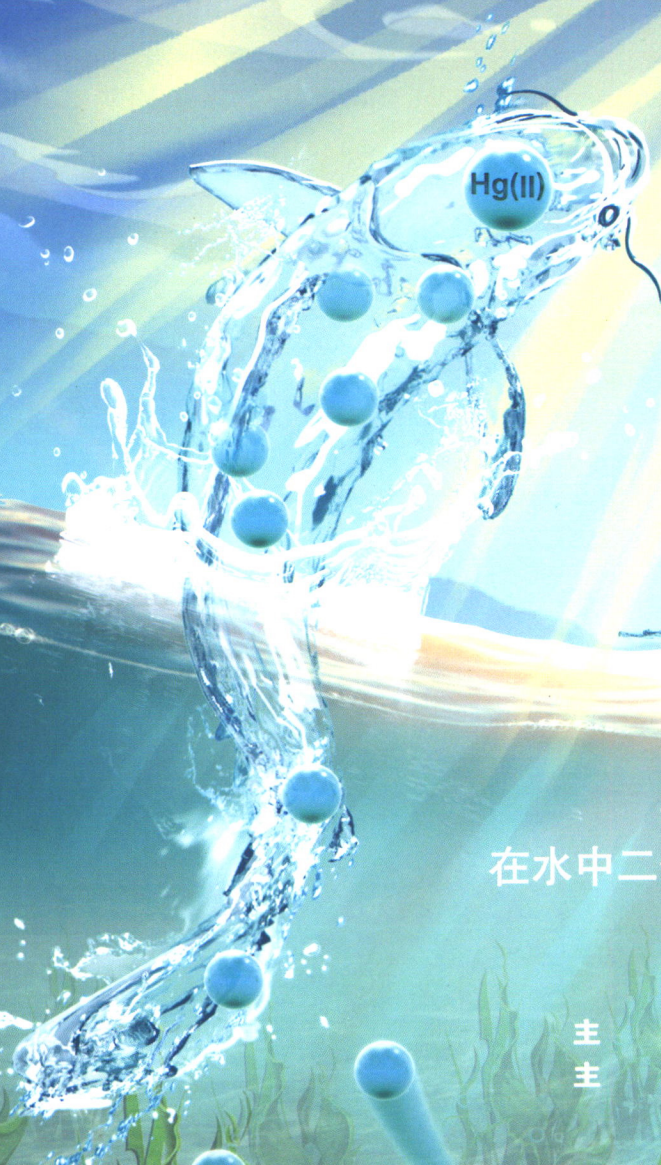
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# 化学进展

# Progress in Chemistry

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共价有机框架  
在水中二价汞吸附去除中的应用

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国家自然科学基金委员会化学科学部

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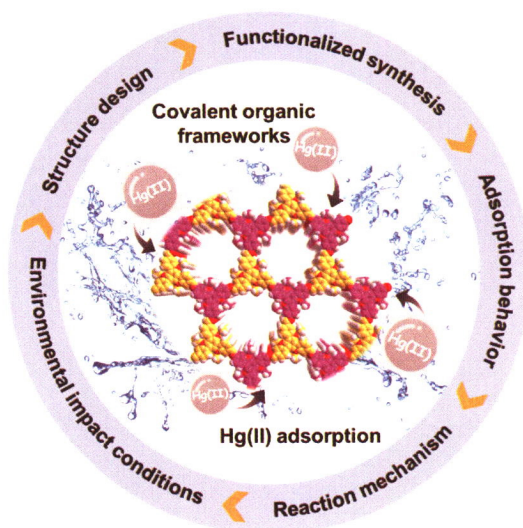
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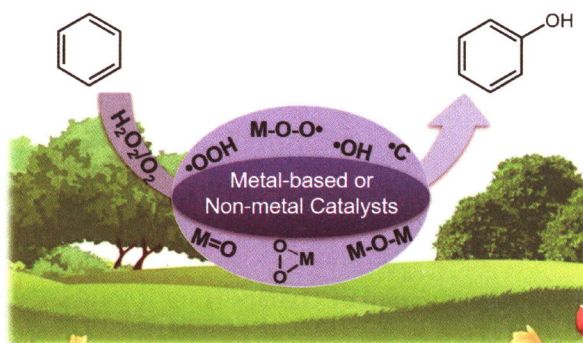
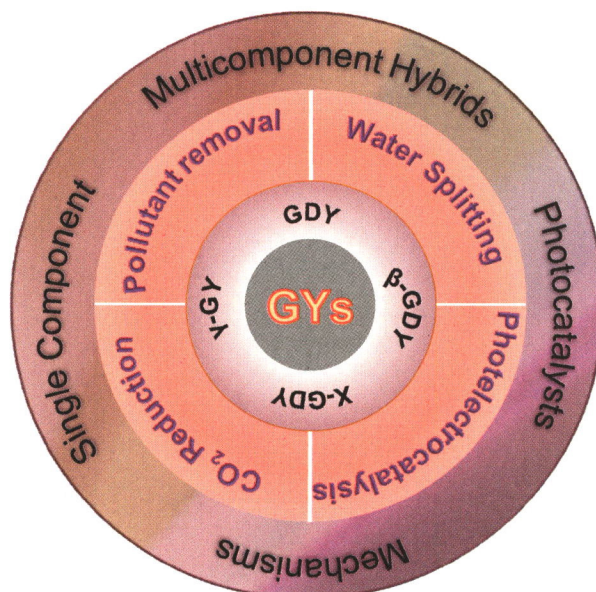
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Changle Yue, Wenjing Bao, Jilei Liang, Yunqi Liu, Daofeng Sun, Yukun Lu

*Progress in Chemistry*, 2022, 34(5):1061~1075

DOI:10.7536/PC210608



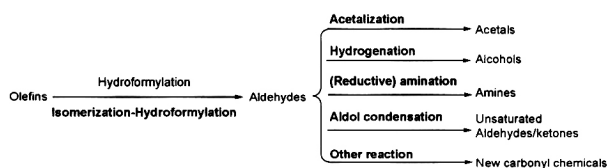
The MS<sub>2</sub> (M = Mo or W) material prepared based on POMs is not only a high-efficiency HDS catalyst, but also a potential material for HER in electrolysis of water.

## Recent Advances on Tandem Hydroformylation of Olefins

Peng Wang, Huan Liu, Da Yang

*Progress in Chemistry*, 2022, 34(5): 1076~1087

DOI:10.7536/PC210522



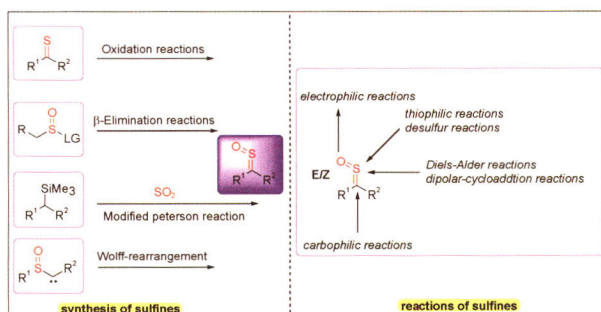
Several common tandem hydroformylations in the design of new (multifunctional) catalyst systems and efficient synthesis of high value-added chemicals are introduced, then the existing problems and future development of the reaction are prospected.

## An Overview on the Synthesis and Reactions of Sulfines

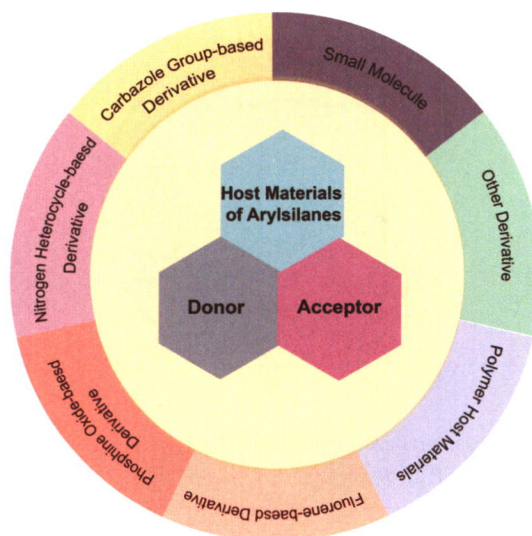
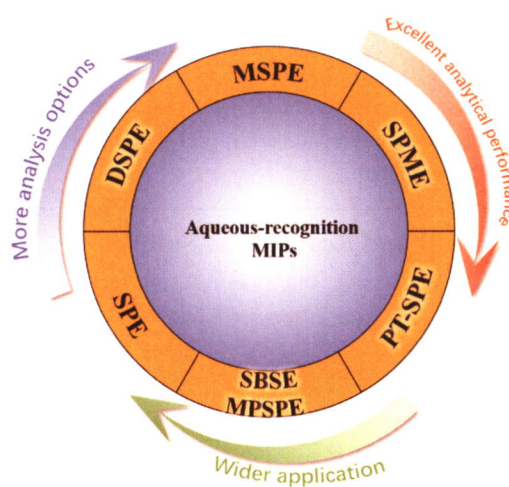
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*Progress in Chemistry*, 2022, 34(5): 1088~1108

DOI:10.7536/PC210626



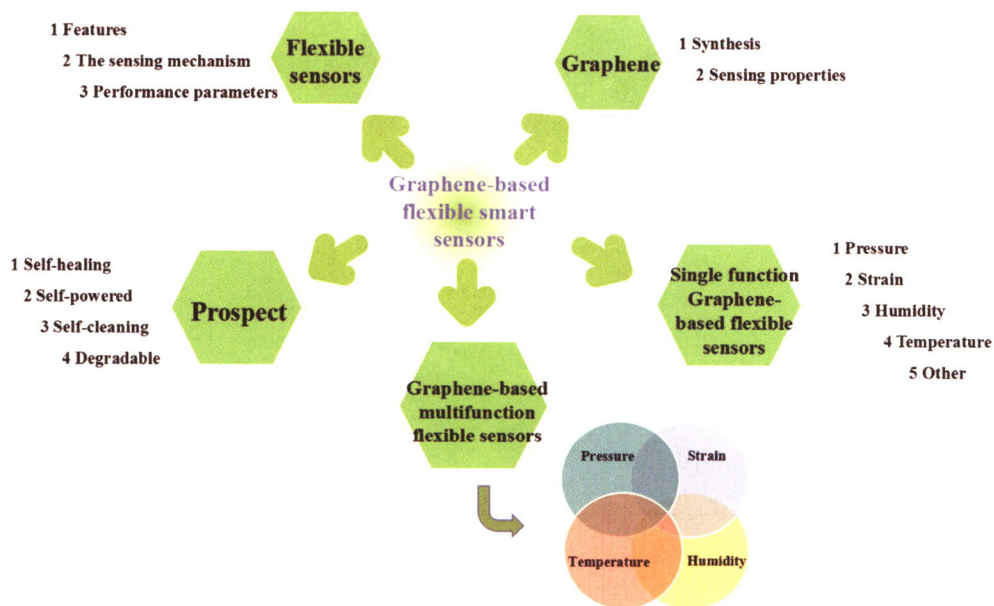
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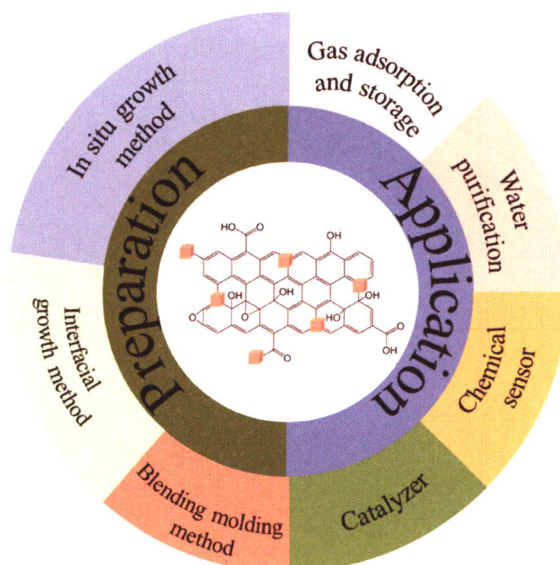




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The paper provides a brief overview of sensing performance, and working mechanism of graphene-based flexible sensors. Their applications in the single and multiple mode sensing and their future developments are also highlighted.

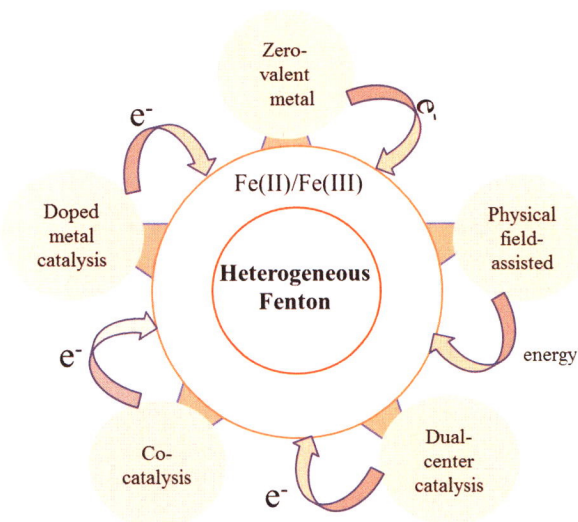
**Preparation and Application of Graphene/Metal-Organic Frameworks Composites***Yaoyu Qiao, Xuehui Zhang, Xiaozhu Zhao, Chao Li, Naipu He**Progress in Chemistry, 2022, 34(5): 1181~1190**DOI:10.7536/PC210449*

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Wenyan Gao, Xuan Zhao, Xilin Zhou, Yaran Song, Qingrui Zhang

*Progress in Chemistry*, 2022, 34(5): 1191~1202

DOI:10.7536/PC210728



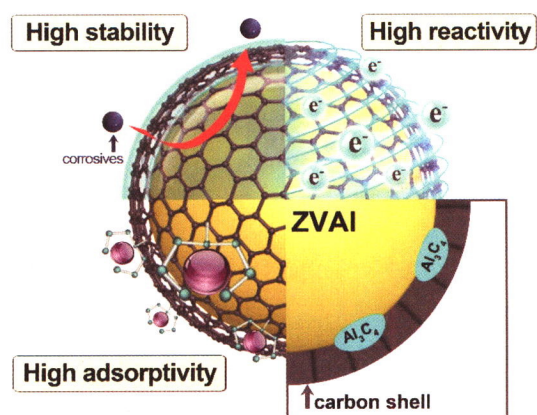
This paper summarizes the the mechanism of heterogeneous Fenton reaction, and the strategies of accelerating the cycle of Fe(III)/Fe(II).

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*Progress in Chemistry*, 2022, 34(5): 1203~1217

DOI:10.7536/PC210520



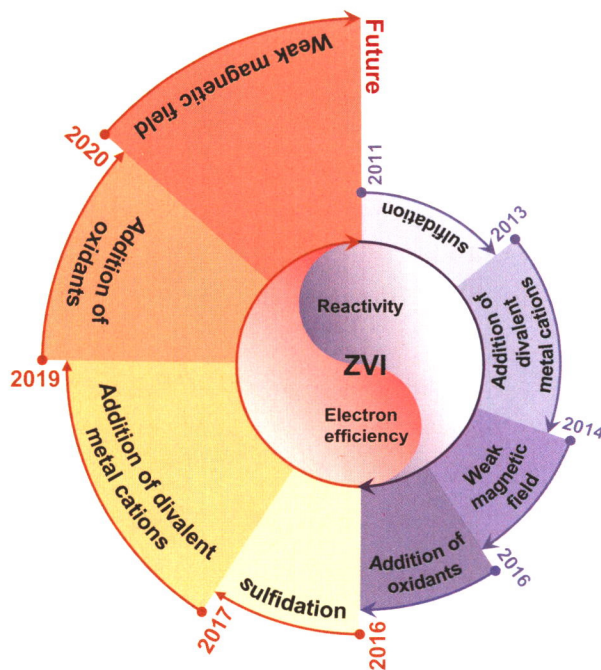
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*Progress in Chemistry*, 2022, 34(5): 1218~1228

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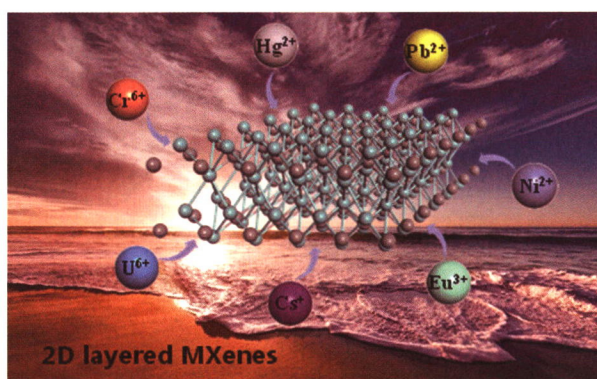


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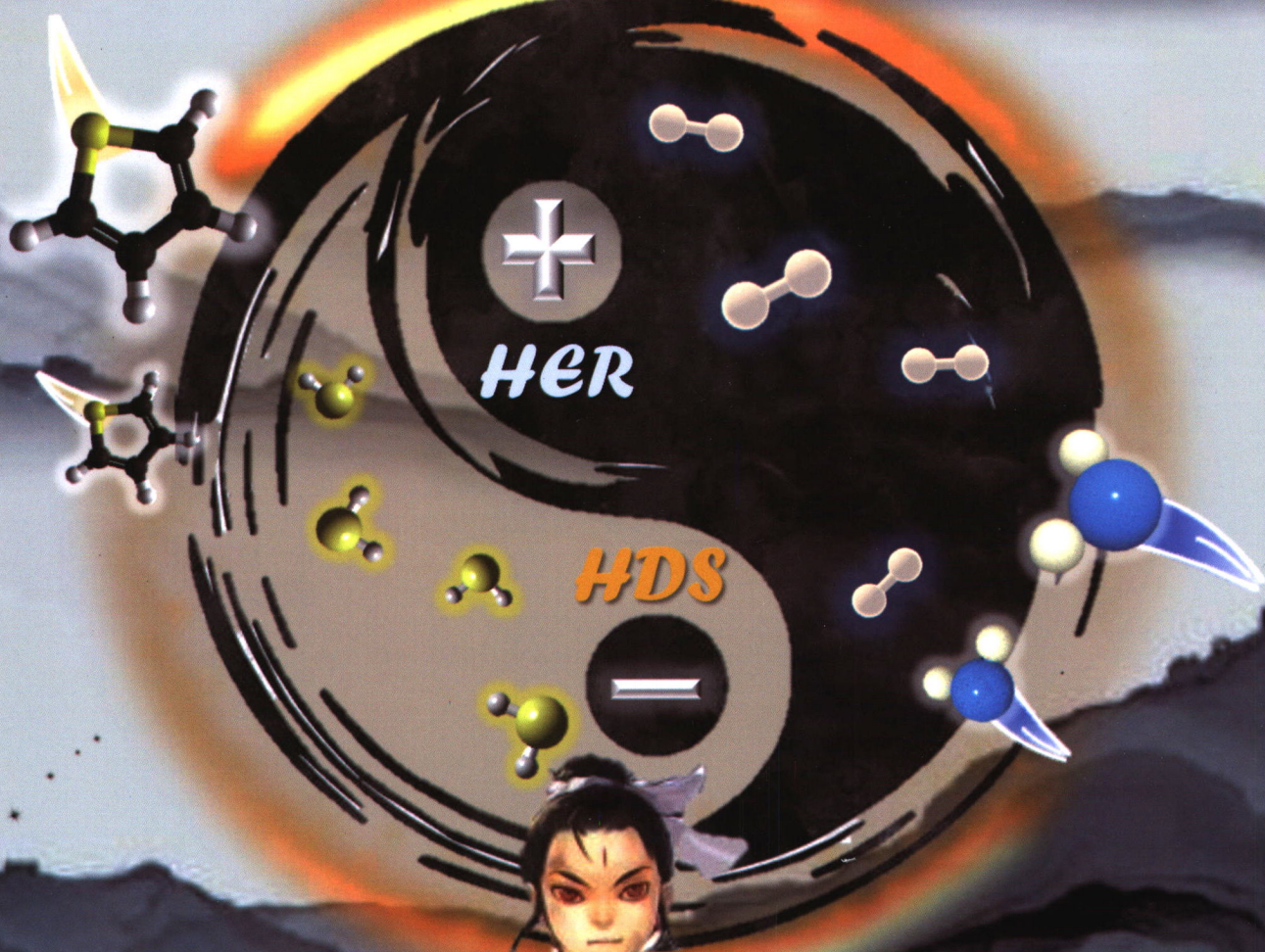
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*Progress in Chemistry*, 2022, 34(5): 1229~1244

DOI:10.7536/PC210614



多酸基硫化态催化剂的加氢脱硫  
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