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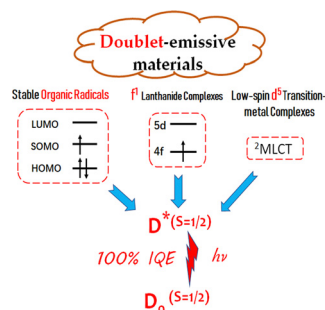
See Feihe Huang, Guocan Yu *et al.*, pp. 2911–2945. Image reproduced by permission of Guocan Yu from *Chem. Soc. Rev.*, 2023, 52, 2911.

TUTORIAL REVIEWS

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Doublet-emissive materials for organic light-emitting diodes: exciton formation and emission processes

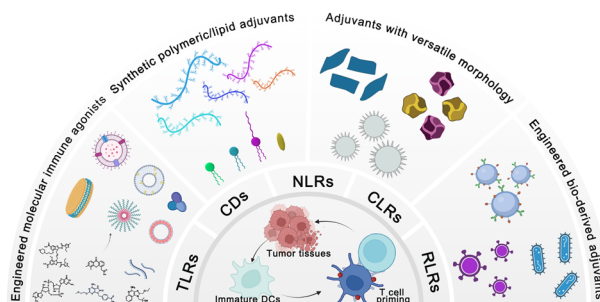
Shengxiang Gao, Zhiyuan Cui and Feng Li*



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Materials engineering strategies for cancer vaccine adjuvant development

Xuanbo Zhang, Bowei Yang, Qianqian Ni* and Xiaoyuan Chen*



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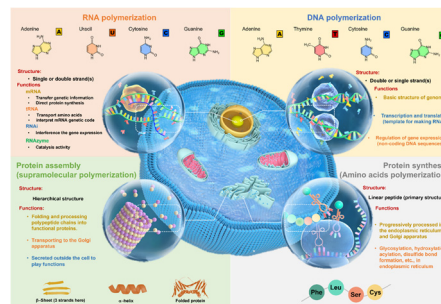


REVIEW ARTICLES

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Polymerization in living organisms

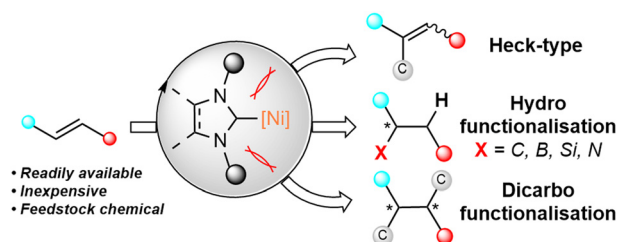
Dan Wu, Jiaqi Lei, Zhankui Zhang, Feihe Huang,*
Marija Buljan and Guocan Yu*



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N-Heterocyclic carbenes as privileged ligands for nickel-catalysed alkene functionalisation

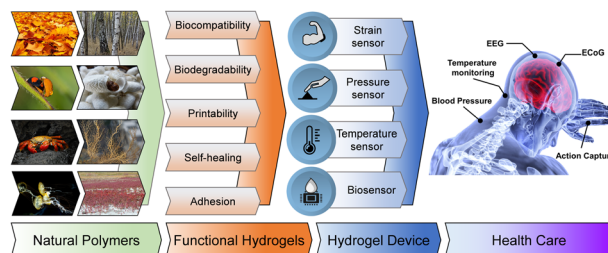
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Kang Zheng Yap, NingXi Song, Charyl Hui Min Ko,
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Naturally sourced hydrogels: emerging fundamental materials for next-generation healthcare sensing

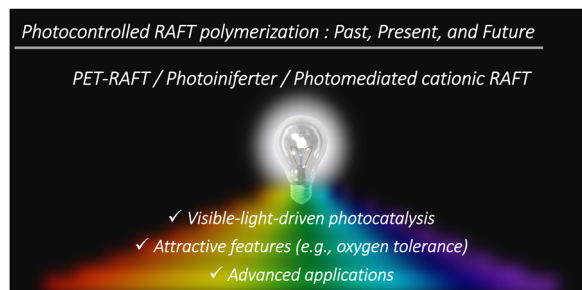
Zhenwu Wang, Hua Wei, Youju Huang,* Yen Wei* and
Jing Chen*



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Photocontrolled RAFT polymerization: past, present, and future

Yungyeong Lee, Cyrille Boyer* and Min Sang Kwon*



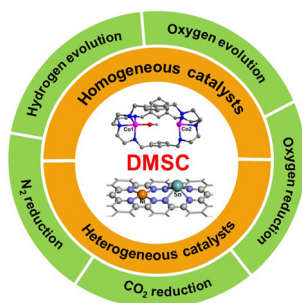
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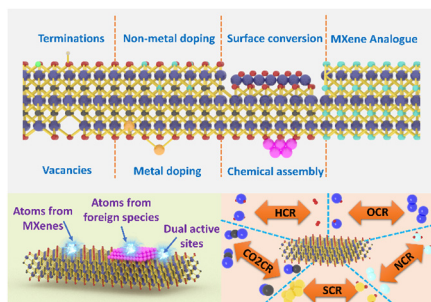
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Dinuclear metal synergistic catalysis for energy conversion

Di-Chang Zhong, Yun-Nan Gong, Chao Zhang and Tong-Bu Lu*

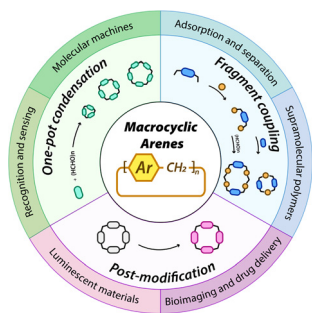
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Engineering strategies and active site identification of MXene-based catalysts for electrochemical conversion reactions

Yufei Zhao, Jinqiang Zhang,* Xin Guo, Xianjun Cao, Shijian Wang, Hao Liu* and Guoxiu Wang*

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Recent advances in the synthesis and applications of macrocyclic arenes

Xiao-Ni Han, Ying Han* and Chuan-Feng Chen*

