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#### Cover

See Frank Caruso, Jiajing Zhou *et al.*, pp. 10800–10826. Image reproduced by permission of Jiajing Zhou from *Chem. Soc. Rev.*, 2024, 53, 10800.



#### Inside cover

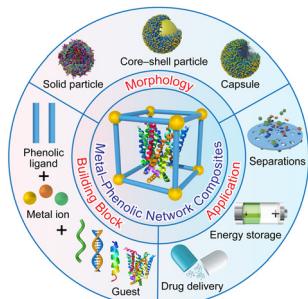
See Katharina Landfester, Shuai Jiang *et al.*, pp. 10827–10851. Image reproduced by permission of Max Planck Institute for Polymer Research from *Chem. Soc. Rev.*, 2024, 53, 10827.

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#### Metal–phenolic network composites: from fundamentals to applications

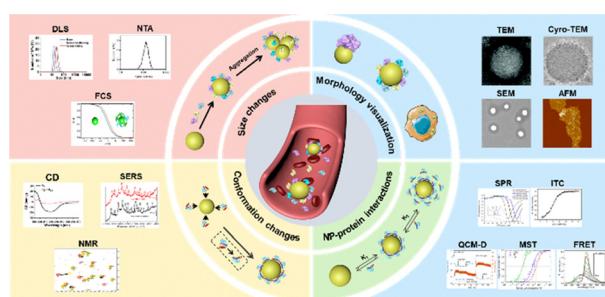
Zhixing Lin, Hai Liu, Joseph J. Richardson, Wanjun Xu, Jingqu Chen, Jiajing Zhou\* and Frank Caruso\*



10827

#### In situ characterization techniques of protein corona around nanomaterials

Fangqin Fu, Daniel Crespy, Katharina Landfester\* and Shuai Jiang\*



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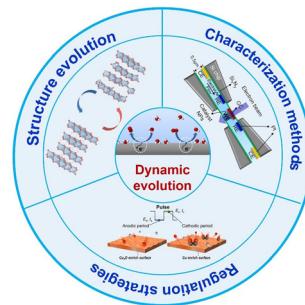


## TUTORIAL REVIEWS

10852

**Dynamic evolution processes in electrocatalysis: structure evolution, characterization and regulation**

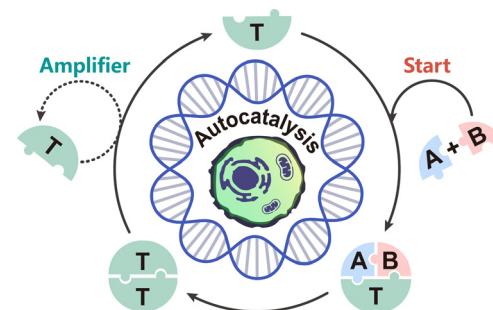
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Qiong Wu, Wei Xu, Jinhua Shang, Jiajing Li, Xiaoqing Liu, Fuan Wang\* and Jinghong Li\*

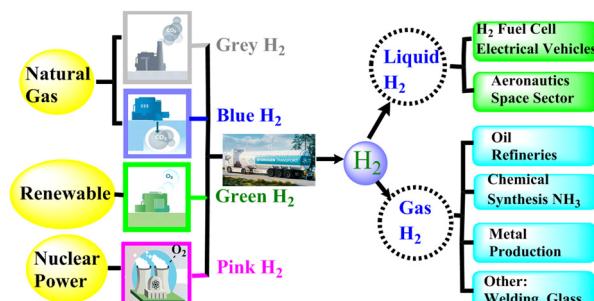


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**A comprehensive review on hydrogen production, storage, and applications**

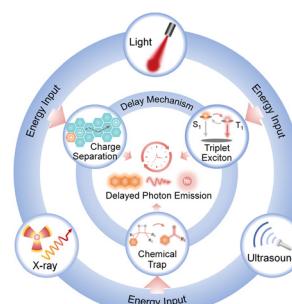
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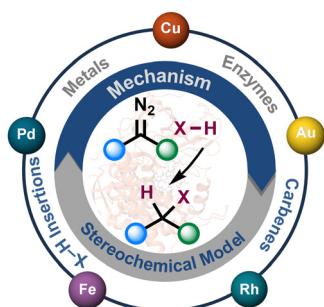
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Rui Qu, Xiqun Jiang\* and Xu Zhen\*



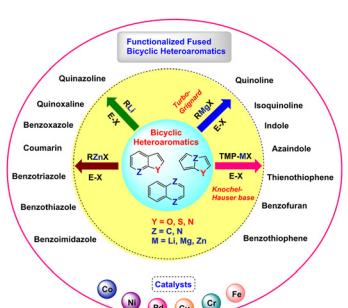
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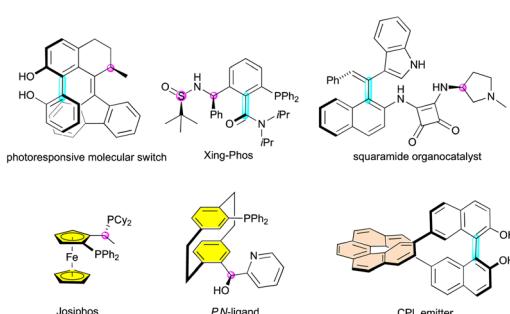
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Kun Guo,\* Lipiao Bao, Zhixin Yu and Xing Lu\*

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**Enantioselective synthesis of molecules with multiple stereogenic elements**

Arthur Gaucherand, Expédite Yen-Pon, Antoine Domain, Alix Bourhis, Jean Rodriguez and Damien Bonne\*

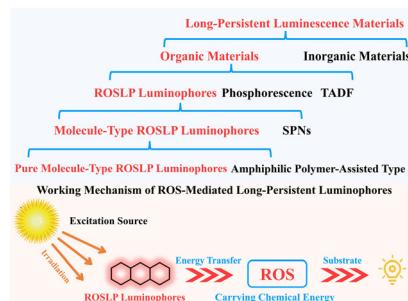


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# Reactive oxygen species-mediated organic long-persistent luminophores light up biomedicine: from two-component separated nano-systems to integrated uni-luminophores

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