

# Chem Soc Rev

Chemical Society Reviews

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### Cover

See Laura Collado, Víctor A. de la Peña O'Shea *et al.*, pp. 11334–11389. Image reproduced by permission of Marcelo Echevarri, Sandra Palenzuela, Laura Collado and Víctor de la Peña O'Shea from *Chem. Soc. Rev.*, 2024, 53, 11334.



### Inside cover

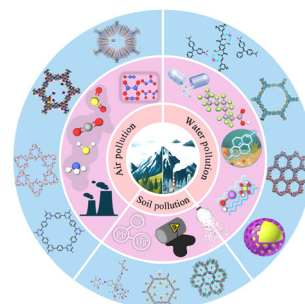
See Junhong Chen, Yuxin Chen, Xuebin Wang *et al.*, pp. 11390–11461. Image reproduced by permission of Argonne National Laboratory from *Chem. Soc. Rev.*, 2024, 53, 11390.

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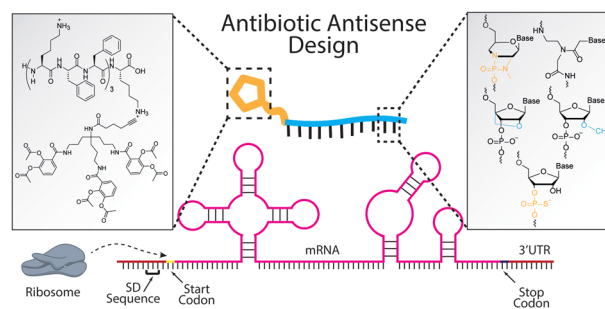
Shengbo Ge, Kexin Wei, Wanxi Peng,\* Runzhou Huang,\* Esther Akinlabi, Hongyan Xia, Muhammad Wakil Shahzad, Xuehua Zhang, Ben Bin Xu\* and Jianchun Jiang\*



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### Chemical strategies for antisense antibiotics

Mathijs J. Pals, Alexander Lindberg and Willem A. Velema\*



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### Multidimensionally ordered mesoporous intermetallics: Frontier nanoarchitectonics for advanced catalysis

Hao Lv and Ben Liu\*

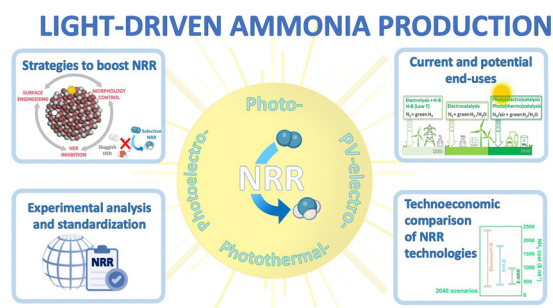


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### Light-driven nitrogen fixation routes for green ammonia production

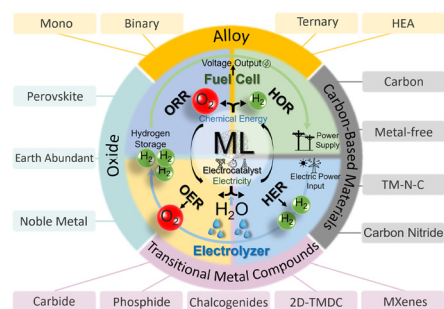
Laura Collado,\* Alejandro H. Pizarro, Mariam Barawi, Miguel Garcia-Tecedor, Marta Liras and Víctor A. de la Peña O'Shea\*



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### Unlocking the potential: machine learning applications in electrocatalyst design for electrochemical hydrogen energy transformation

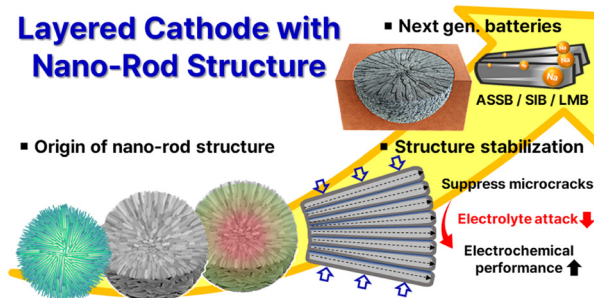
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### Nano-rods in Ni-rich layered cathodes for practical batteries

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## REVIEW ARTICLES

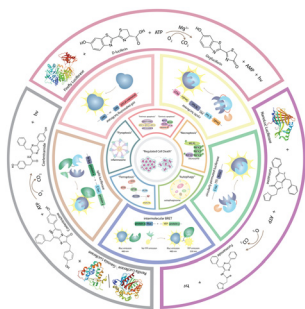
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### Molecular recognition of peptides and proteins by cucurbit[n]urils: systems and applications

Lilyanna Armstrong, Sarah L. Chang, Nia Clements, Zoheb Hirani, Lauren B. Kimberly, Keturah Odoi-Adams, Paolo Suating, Hailey F. Taylor, Sara A. Trauth and Adam R. Urbach\*

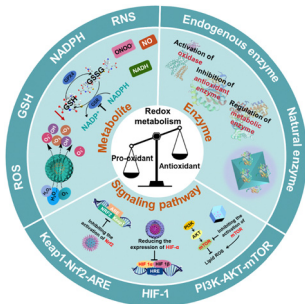
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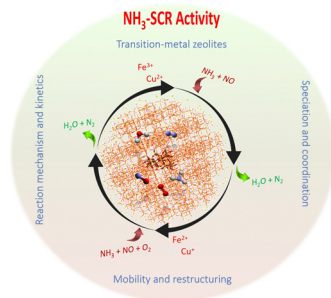
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Xiaodan Jia, Yue Wang, Yue Qiao, Xiue Jiang\* and Jinghong Li\*

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### Understanding deNO<sub>x</sub> mechanisms in transition metal exchanged zeolites

Jamal Abdul Nasir,\* Andrew M. Beale and C. Richard A. Catlow\*

