

Chem Soc Rev

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Inside cover

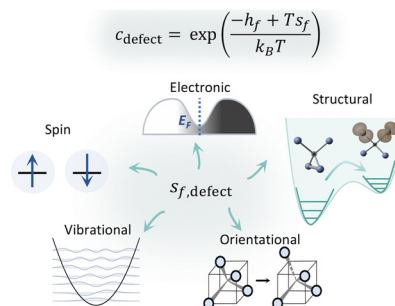
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Imperfections are not 0 K: free energy of point defects in crystals

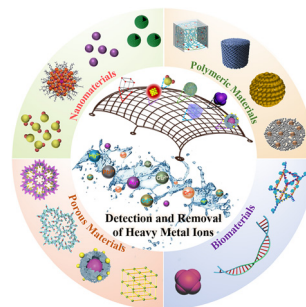
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Current trends in the detection and removal of heavy metal ions using functional materials

Meng Li,* Quanyu Shi, Ningxin Song, Yumeng Xiao, Lidong Wang, Zhijun Chen* and Tony D. James*



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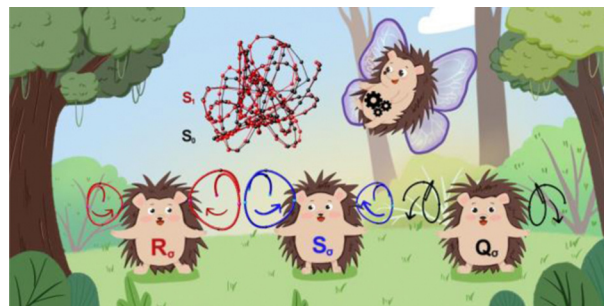


TUTORIAL REVIEWS

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Tools for overcoming reliance on energy-based measures in chemistry: a tutorial review

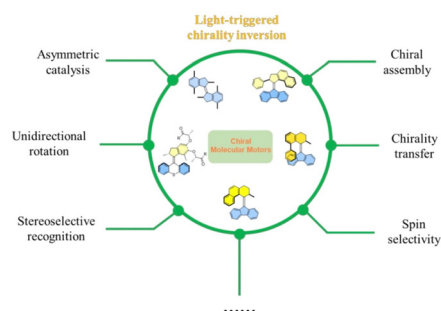
Steven R. Kirk and Samantha Jenkins*



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Enlightening dynamic functions in molecular systems by intrinsically chiral light-driven molecular motors

Jinyu Sheng, Daisy R. S. Pooler and Ben L. Feringa*

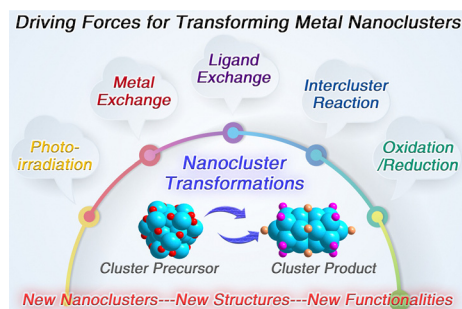


REVIEW ARTICLES

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Recent developments in the investigation of driving forces for transforming coinage metal nanoclusters

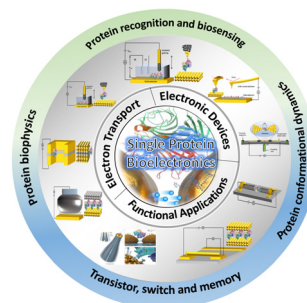
Xuejuan Zou, Xi Kang* and Manzhou Zhu*



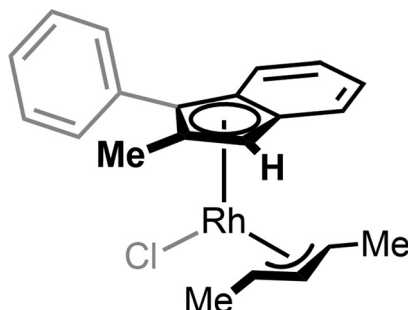
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Single-molecular protein-based bioelectronics via electronic transport: fundamentals, devices and applications

Tao Jiang, Biao-Feng Zeng, Bintian Zhang* and Longhua Tang*



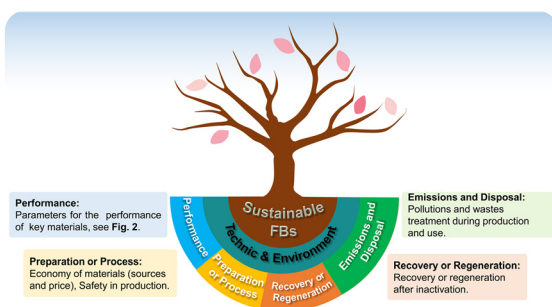
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Synthesis, stereochemical assignment, and enantioselective catalytic activity of late transition metal planar chiral complexes

David Laws III, Christopher D. Poff, Ethan M. Heyboer and Simon B. Blakey*

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Development of flow battery technologies using the principles of sustainable chemistry

Ziming Zhao, Xianghui Liu, Mengqi Zhang, Leyuan Zhang, Changkun Zhang,* Xianfeng Li* and Guihua Yu*

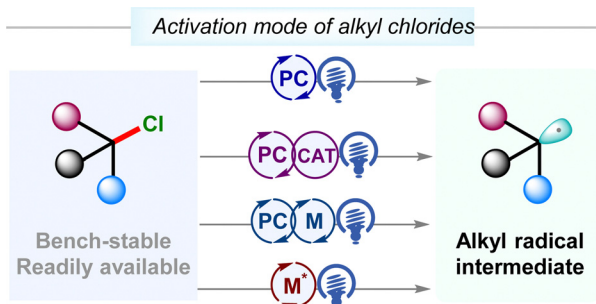
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Potential of nonporous adaptive crystals for hydrocarbon separation

Miaomiao Yan, Yuhao Wang, Jingyu Chen and Jiong Zhou*

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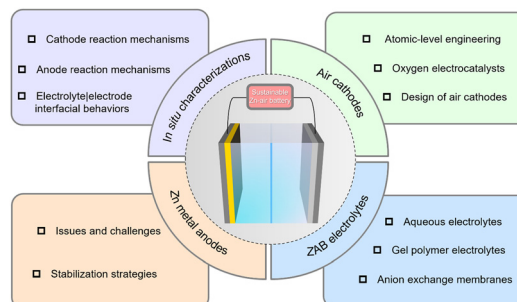
Cheng-Long Ji, Xinyi Zhai, Qing-Yun Fang, Chengjian Zhu, Jie Han and Jin Xie*



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Sustainable zinc–air battery chemistry: advances, challenges and prospects

Qichen Wang, Shubham Kaushik, Xin Xiao* and Qiang Xu*



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Perspectives on recent advancements in energy harvesting, sensing and bio-medical applications of piezoelectric gels

Thangavel Vijayakanth, Sudha Shankar, Gal Finkelstein-Zuta, Sigal Rencus-Lazar, Sharon Gilead and Ehud Gazit*

