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### Cover

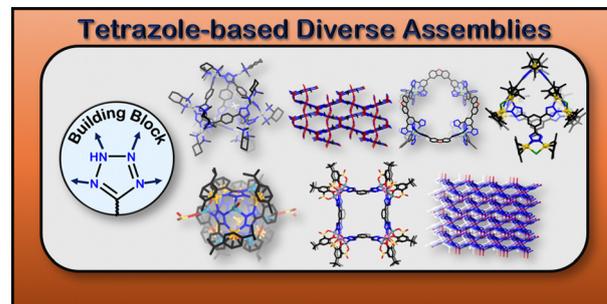
See Jason L. Dutton *et al.*, pp. 5586–5589. Image reproduced by permission of Dilushini Mudiyansele from *Chem. Commun.*, 2024, 60, 5586.

## FEATURE ARTICLE

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### Uncovering tetrazoles as building blocks for constructing discrete and polymeric assemblies

Soumya Dey, Medha Aggarwal, Debsena Chakraborty and Partha Sarathi Mukherjee\*

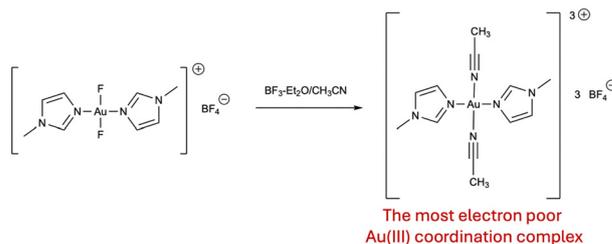


## COMMUNICATIONS

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### An extremely electron poor Au(III) trication bearing acetonitrile ligands

Lachlan Barwise, Lachlan J. Moon, Bibidh Dhakal, Conor F. Hogan, Keith F. White and Jason L. Dutton\*



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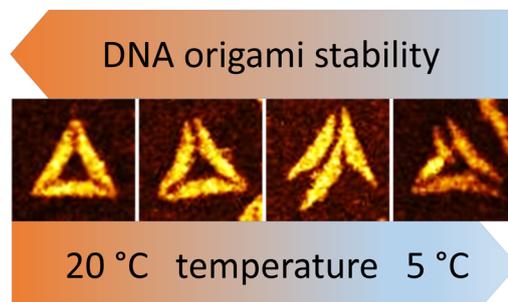
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**Cold denaturation of DNA origami nanostructures**

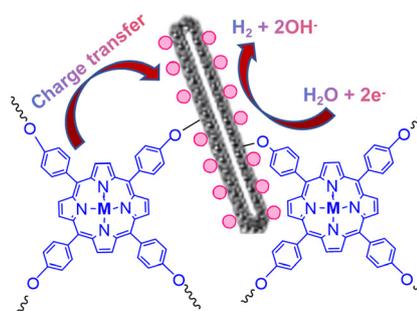
Daniel Dornbusch, Marcel Hanke, Emilia Tomm, Charlotte Kielar, Guido Grundmeier, Adrian Keller\* and Karim Fahmy\*



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**Novel metalloporphyrin covalently functionalized polyphosphazene nanotubes for boosting the hydrogen evolution reaction**

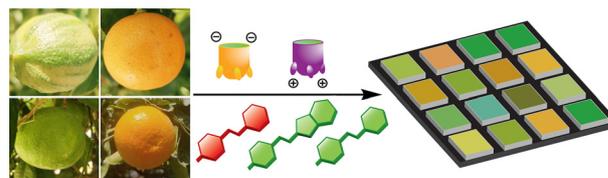
Xin Yang, Wei Zhao,\* Aijian Wang,\* Xiaoyu Zhai, Yuqin Dou, Kamal Syed and Weihua Zhu\*



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**Optical discrimination of terpenes in citrus peels with a host:guest sensing array**

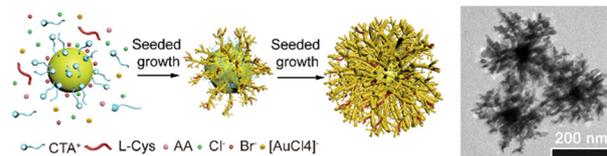
Junyi Chen, Jose L. Moreno Jr, Wen Zhang, Lucas J. Gibson-Elias, Ria Lian, Saba Najafi, Haofei Zhang, Wenwan Zhong\* and Richard J. Hooley\*



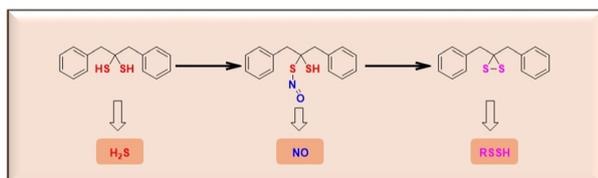
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**Uniform colloidal synthesis of highly branched chiral gold nanoparticles**

Qing Song and Bing Liu\*



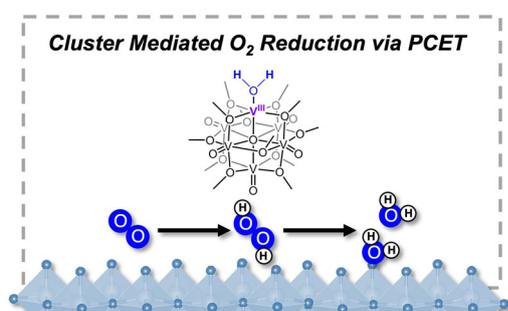
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### Geminal-dithiol-based precursors for reactive sulfur species

Shi Xu, Geat Ramush, Iris J. Yang, Eshani Das, Meg Shieh and Ming Xian\*

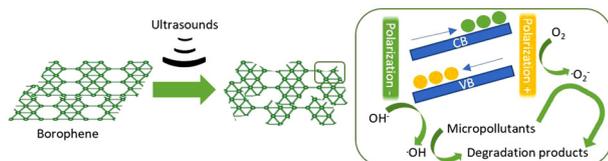
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### $\text{O}_2$ reduction via proton-coupled electron transfer by a V(III) aquo on a polyoxovanadate-alkoxide cluster

Shannon E. Cooney, Eric Schreiber, Baela M. Ferrigno and Ellen M. Matson\*

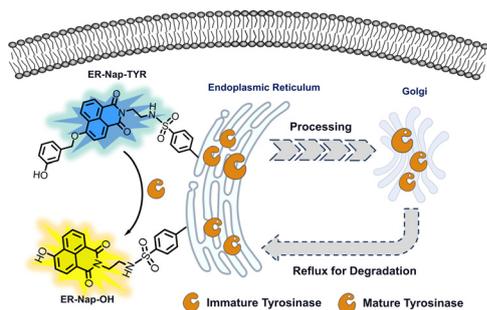
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### Borophene: a piezocatalyst for water remediation

Aditi Sharma, Upasana Bhardwaj, Maya Marinova, Antonio Da Costa, Anthony Ferri, Sébastien Royer, Himmat Singh Kushwaha\* and Jérémy Dhainaut\*

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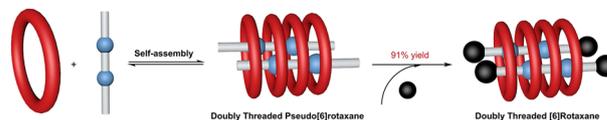
Dunji Shu, Wenzhi Xie, Huihong Liu, Jingjing Li, Jinglong Jiao, Guojiang Mao, Sheng Yang\* and Kai Zhang\*



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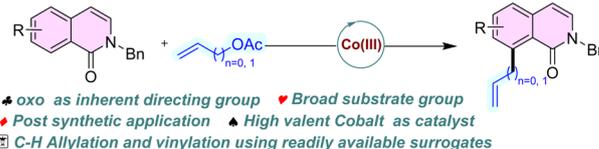
Song Huang, Zhenwen Wang, Jinyang Wu, Xinyan Mai,  
Song Qin, Yuqiao Zhou, Daqiang Yuan, Xiaowei Li,\*  
Wen Feng and Lihua Yuan\*



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## Inherent directing group-enabled Co(III)-catalyzed C–H allylation/vinylation of isoquinolones

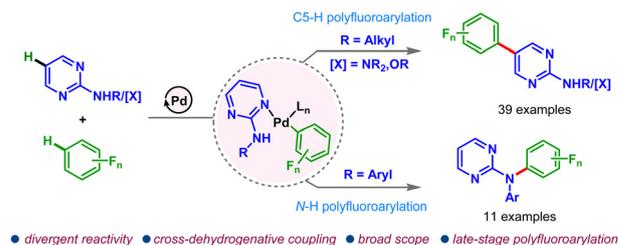
Sachin, Tamanna Sharma, Devesh Chandra, Sumit and  
Upendra Sharma\*



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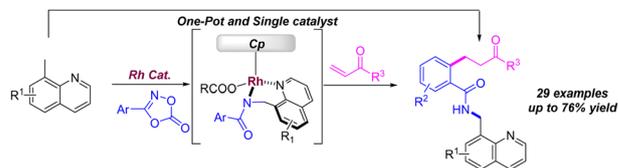
Animesh Das and Biplab Maji\*



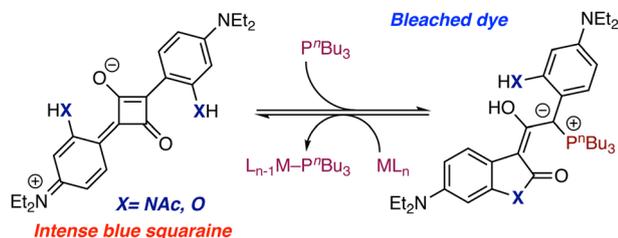
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Rhodium-catalyzed three-component C(sp<sup>3</sup>)/C(sp<sup>2</sup>)-H activation enabled by a two-fold directing group strategy

Fu-Cheng Hou, Jia-Le Zhang, Zi-Rui Wang and  
Zhong-Yuan Li\*



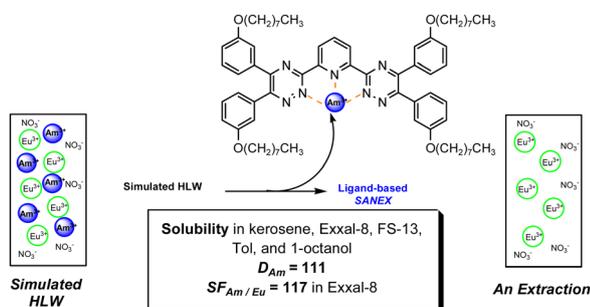
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### Pseudoaromaticity-driven, transition metal detection by squaraine-derived enol phosphonium ylide chemodosimeters

Raissa Twiringiyimana and Brandon L. Ashfeld\*

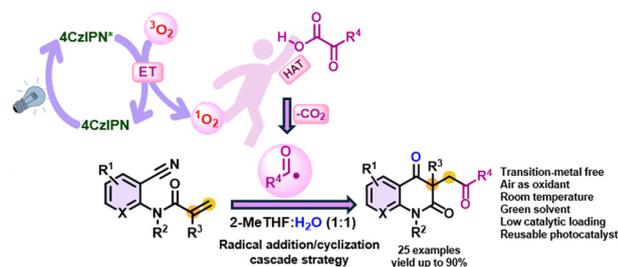
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### A hydrolytically stable complexant for minor An separation from Ln in process relevant diluents

Lesta S. Fletcher, Mariah L. Tedder, Samiat O. Olayiwola and Jesse D. Carrick\*

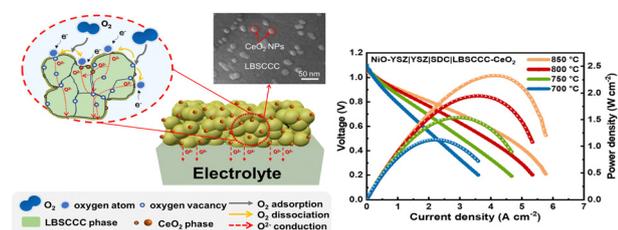
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### $^1O_2$ mediated synthesis of carbonyl substituted quinoline-2,4(1H,3H)-diones in visible light: 4CzIPN as a reusable photocatalyst

Harsha, Rohit Kumar and Nidhi Jain\*

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### In situ construction of A-site high-entropy perovskites with interfacial CeO<sub>2</sub> for a high-performance IT-SOFC air-electrode

Xuelong Li, Shuaihang Chen, Qian Yang, Fengyang Yu, Yunhe Zhang, Lina Su, Jianhua Liu and Li Li\*

