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Cover

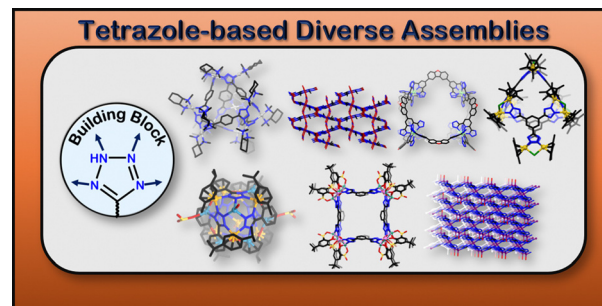
See Jason L. Dutton *et al.*, pp. 5586–5589. Image reproduced by permission of Dilushini Mudiyansele from *Chem. Commun.*, 2024, 60, 5586.

FEATURE ARTICLE

5573

Uncovering tetrazoles as building blocks for constructing discrete and polymeric assemblies

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

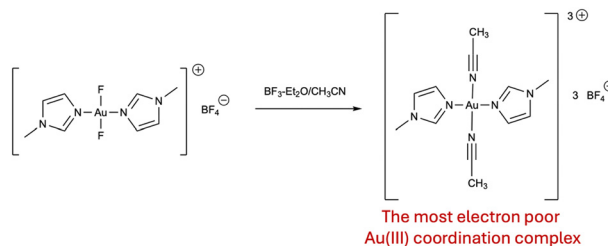


COMMUNICATIONS

5586

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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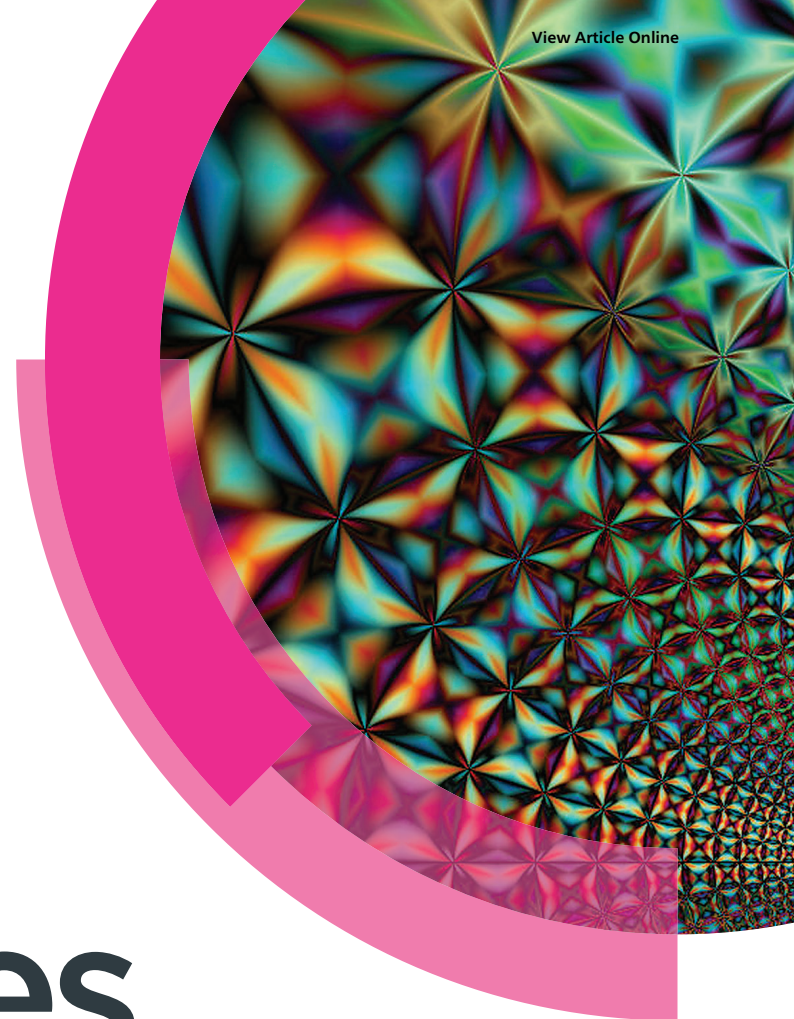


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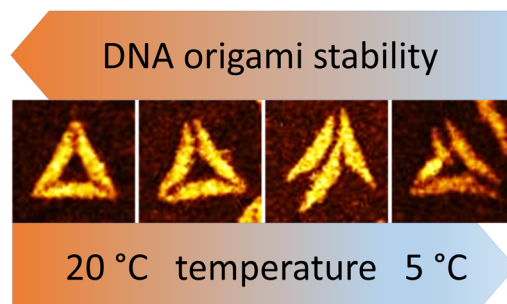
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Cold denaturation of DNA origami nanostructures

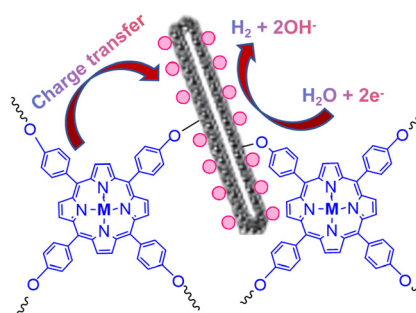
Daniel Dornbusch, Marcel Hanke, Emilia Tomm, Charlotte Kielar, Guido Grundmeier, Adrian Keller* and Karim Fahmy*



5594

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

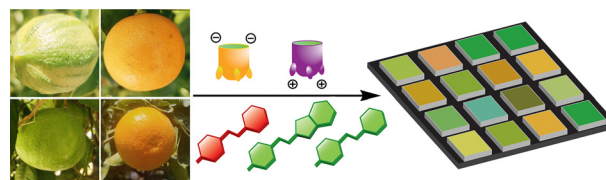
Xin Yang, Wei Zhao,* Aijian Wang,* Xiaoyu Zhai, Yuqin Dou, Kamal Syed and Weihua Zhu*



5598

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

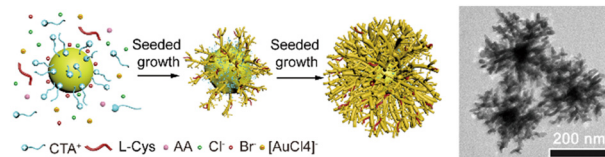
Junyi Chen, Jose L. Moreno Jr, Wen Zhang, Lucas J. Gibson-Elias, Ria Lian, Saba Najafi, Haofei Zhang, Wenwan Zhong* and Richard J. Hooley*



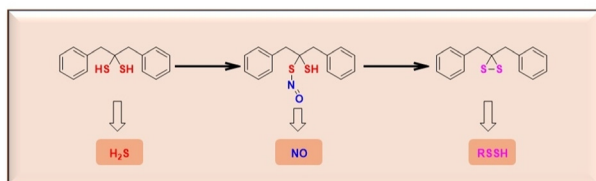
5602

Uniform colloidal synthesis of highly branched chiral gold nanoparticles

Qing Song and Bing Liu*



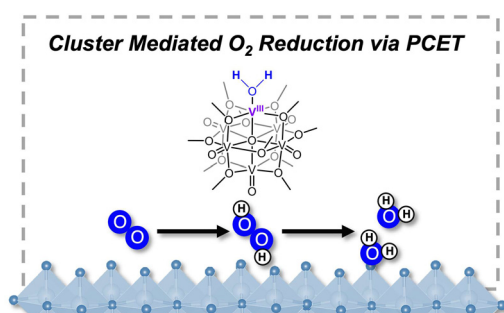
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Geminal-dithiol-based precursors for reactive sulfur species

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

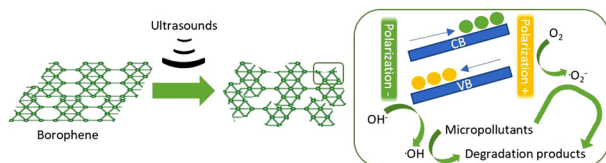
5610



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*

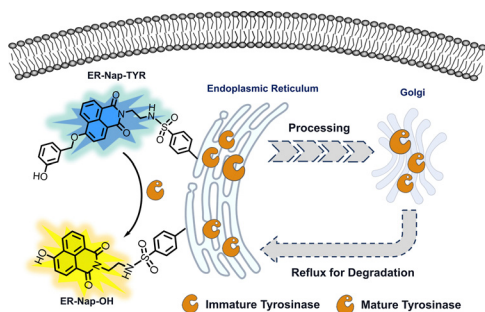
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Borophene: a piezocatalyst for water remediation

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

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Fluorescence monitoring of refluxed tyrosinase using endoplasmic reticulum-localized enzymatic activity-based sensing

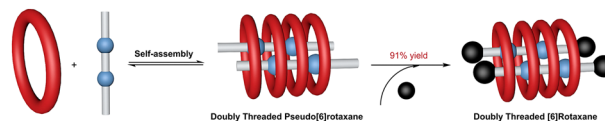
Dunji Shu, Wenzhi Xie, Huihong Liu, Jingjing Li, Jinglong Jiao, Guojiang Mao, Sheng Yang* and Kai Zhang*



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A molecular sheaf: doubly threaded [6]rotaxane

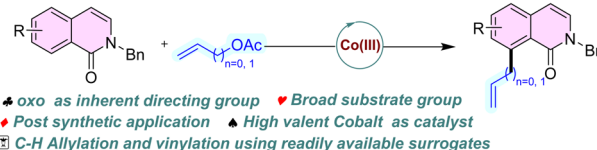
Song Huang, Zhenwen Wang, Jinyang Wu, Xinyan Mai, Song Qin, Yuqiao Zhou, Daqiang Yuan, Xiaowei Li,* Wen Feng and Lihua Yuan*



5626

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

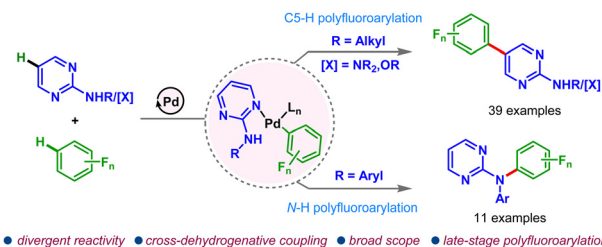
Sachin, Tamanna Sharma, Devesh Chandra, Sumit and Upendra Sharma*



5630

Substrate-controlled divergent remote C–H and N–H polyfluoroarylation of 2-aminopyrimidines with polyfluoroarenes via Pd(II)/Pd(0) catalysis

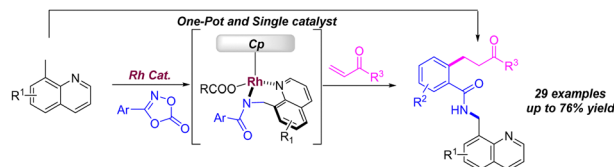
Animesh Das and Biplab Maji*



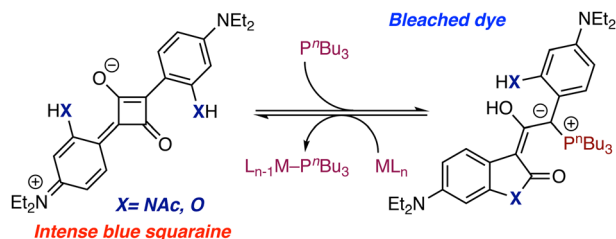
5634

Rhodium-catalyzed three-component C(sp³)/C(sp²)–H activation enabled by a two-fold directing group strategy

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



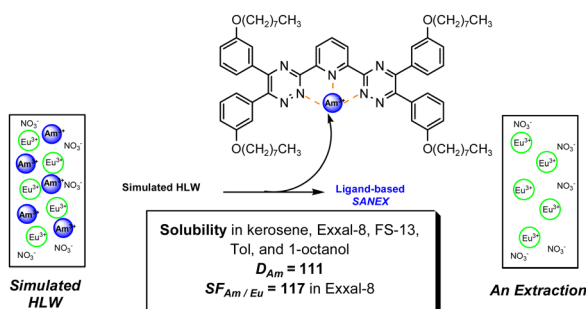
5638



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

Raïssa Twiringiyimana and Brandon L. Ashfeld*

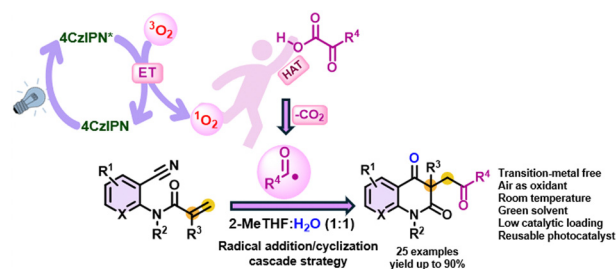
5642



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*

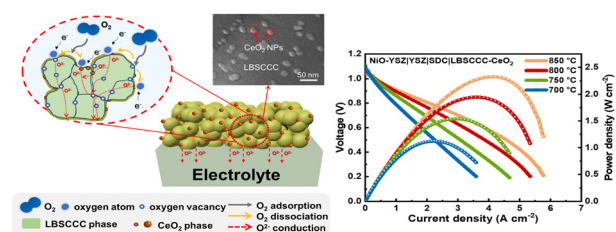
5646



¹O₂ 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*

5650



In situ construction of A-site high-entropy perovskites with interfacial CeO₂ 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*

