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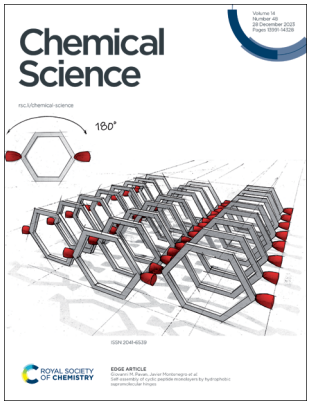

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See Andrew Kellett, José Martínez-Costas, Miguel Vázquez López *et al.*, pp. 14082–14091. Image reproduced by permission of M. Eugenio Vázquez from *Chem. Sci.*, 2023, **14**, 14082.

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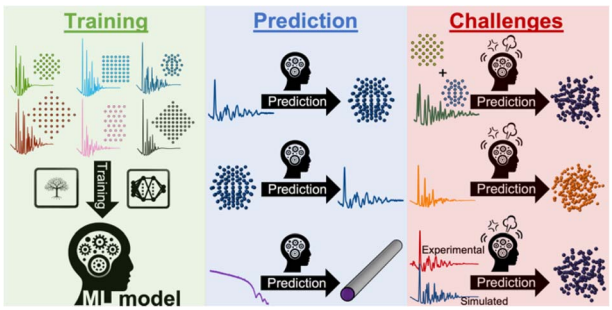

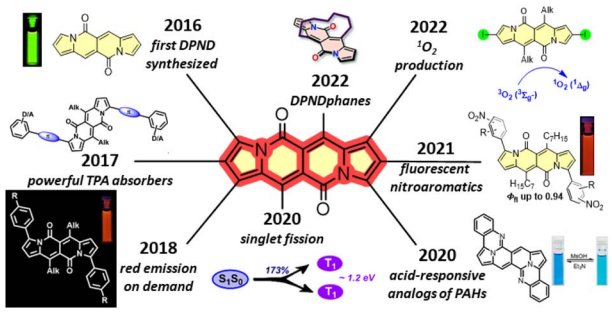

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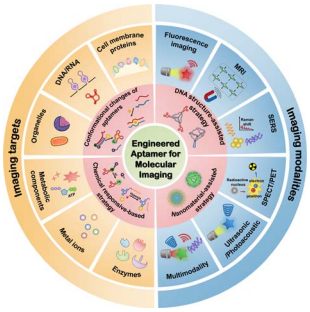

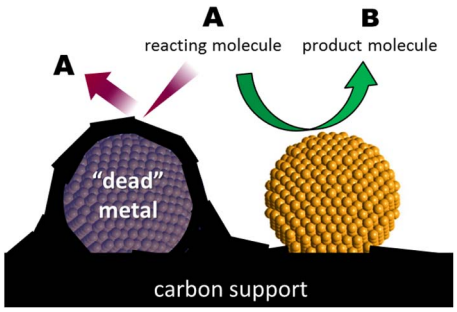

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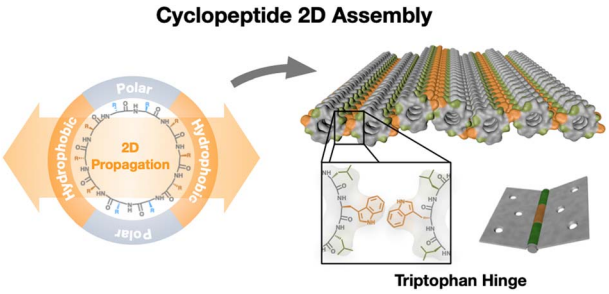

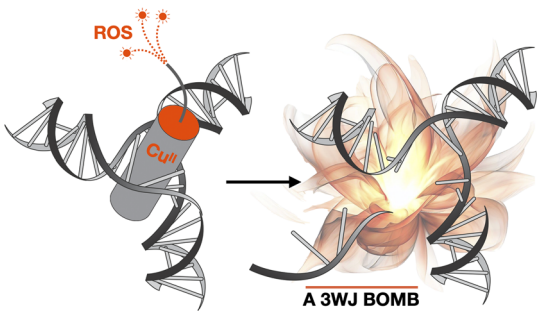

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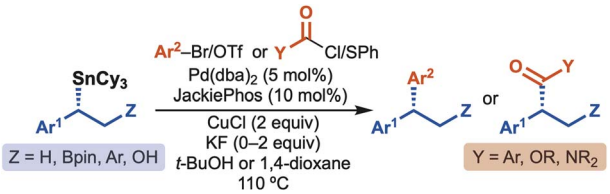

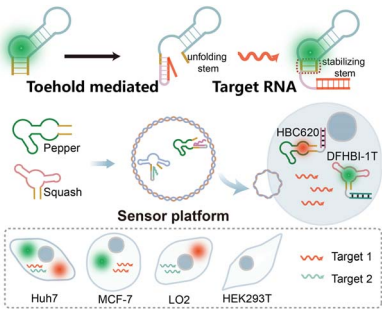

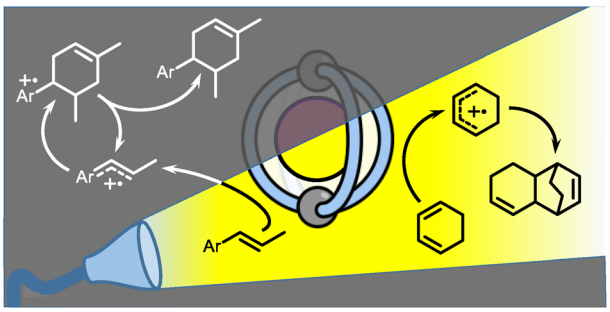

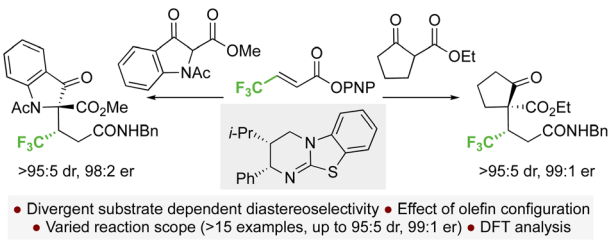

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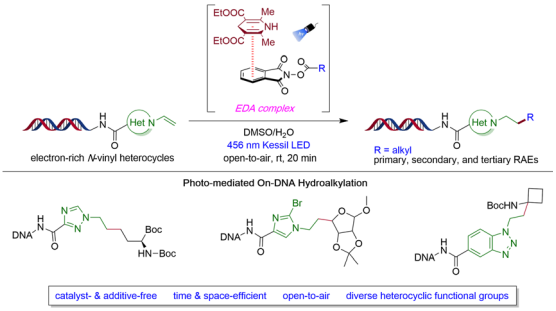
On-DNA hydroalkylation of *N*-vinyl heterocycles *via* photoinduced EDA-complex activation

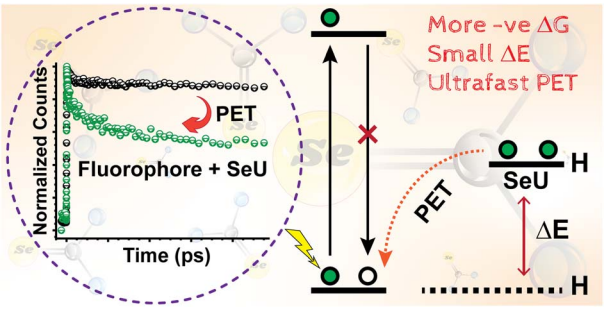
Mohammed Sharique, Bianca Matsuo, Albert Granados, Saegun Kim, Mahwish Arshad, Hyunjung Oh, Victoria E. Wu, Minxue Huang, Adam Csakai, Lisa A. Marcaurelle and Gary A. Molander*



14200

Critical assessment of selenourea as an efficient small molecule fluorescence quenching probe to monitor protein dynamics

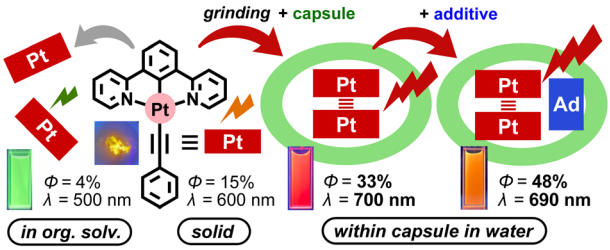
Subhrakant Jena, Kiran Devi Tulsiyan, Rudhi Ranjan Sahoo, Saiprakash Rout, Akshay Kumar Sahu and Himansu S. Biswal*



14211

Solution-state mechanochromic luminescence of Pt(II)-complexes displayed within micellar aromatic capsules

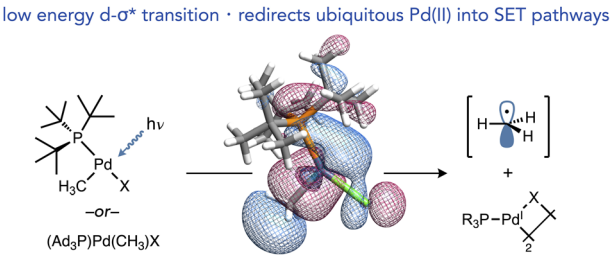
Yoshihisa Hashimoto, Yuri Katagiri, Yuya Tanaka* and Michito Yoshizawa*



14217

Visible light-induced palladium–carbon bond weakening in catalytically relevant T-shaped complexes

Peter M. Waddell, Lei Tian, Anthony R. Scavuzzo, Lalu Venigalla, Gregory D. Scholes and Brad P. Carrow*



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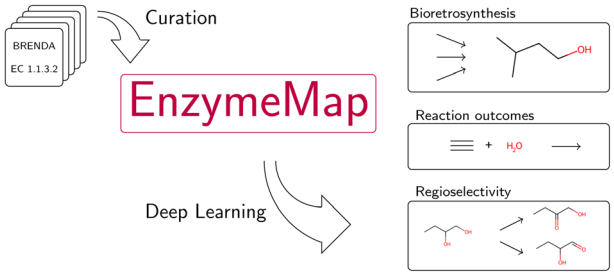
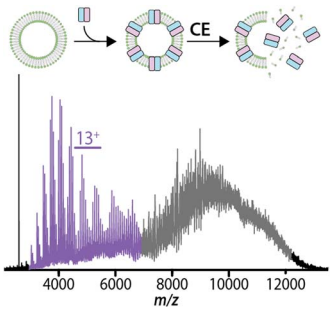


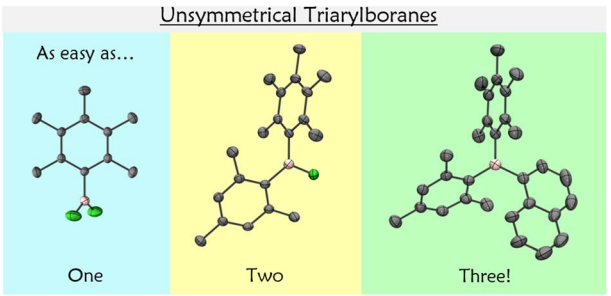
EnzymeMap: curation, validation and data-driven prediction of enzymatic reactions

Esther Heid,* Daniel Probst, William H. Green and Georg K. H. Madsen



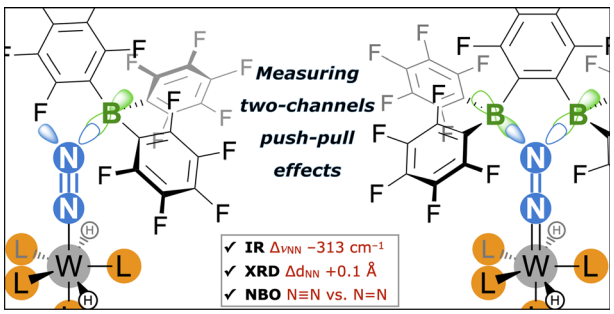
Native mass spectrometry of proteoliposomes containing integral and peripheral membrane proteins

Yun Zhu, Sangho D. Yun, Tianqi Zhang, Jing-Yuan Chang, Lauren Stover and Arthur Laganowsky*



Rapid, iterative syntheses of unsymmetrical di- and triarylboranes from crystalline aryldifluoroboranes

Douglas Turnbull and Marc-André Légaré*



An orbitally adapted push–pull template for N_2 activation and reduction to diazene-diide

David Specklin, Marie-Christine Boegli, Anaïs Coffinet, Léon Escomel, Laure Vendier, Mary Grellier and Antoine Simonneau*

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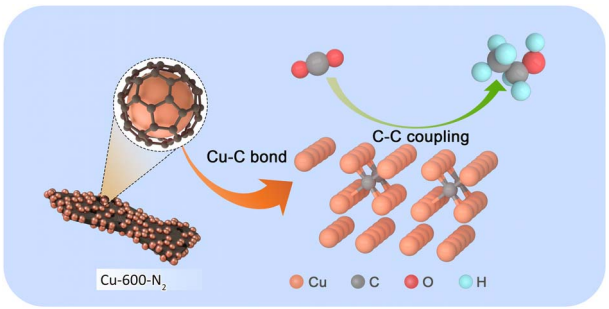
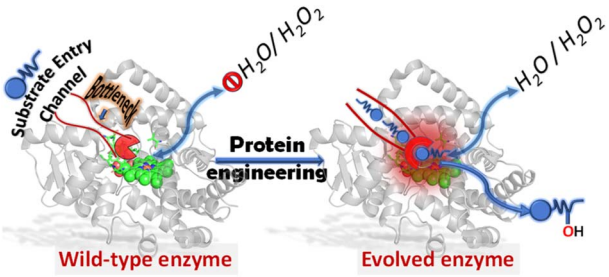


Optimizing copper nanoparticles with a carbon shell for enhanced electrochemical CO_2 reduction to ethanol

Ting Yao, Wei Xia,* Shitao Han, Shuaiqiang Jia, Xue Dong, Min Wang, Jiapeng Jiao, Dawei Zhou, Jiahao Yang, Xueqing Xing, Chunjun Chen, Mingyuan He, Haihong Wu* and Buxing Han*



Computationally guided bioengineering of the active site, substrate access pathway, and water channels of thermostable cytochrome P450, CYP175A1, for catalyzing the alkane hydroxylation reaction

Mohd Taher,* Kshatresh Dutta Dubey* and Shyamalava Mazumdar*