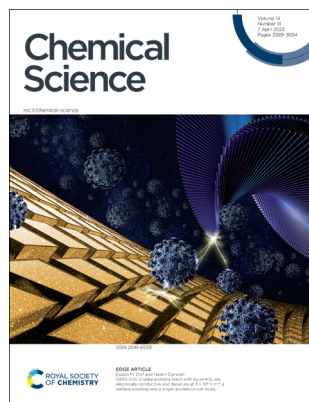
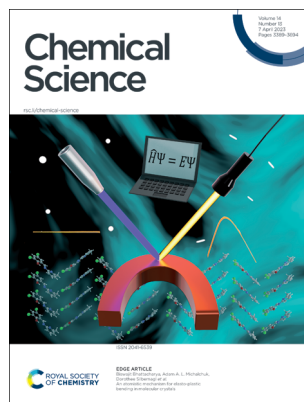


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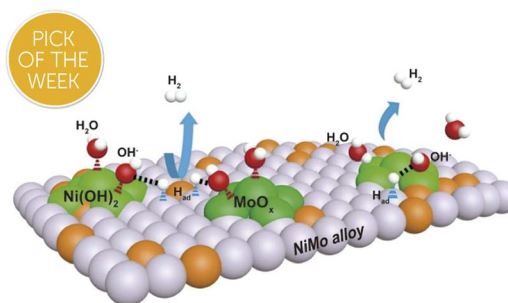
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Insights into alloy/oxide or hydroxide interfaces in Ni–Mo-based electrocatalysts for hydrogen evolution under alkaline conditions

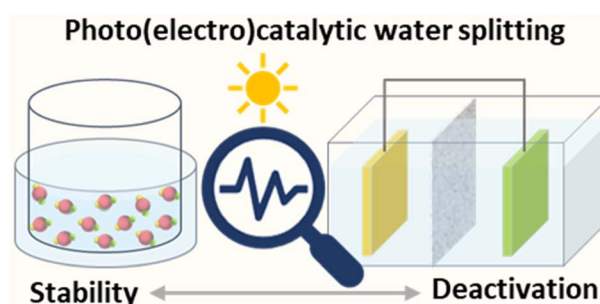
Min Luo, Jietian Yang, Xingang Li, Miharuru Eguchi, Yusuke Yamauchi and Zhong-Li Wang*



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Addressing the stability challenge of photo(electro)catalysts towards solar water splitting

Mu Xiao, Zhiliang Wang, Kazuhiko Maeda, Gang Liu and Lianzhou Wang*



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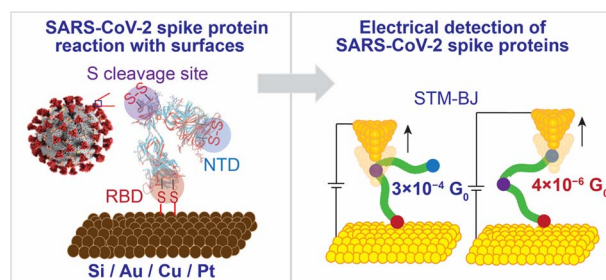
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SARS-CoV-2 spike proteins react with Au and Si, are electrically conductive and denature at $3 \times 10^8 \text{ V m}^{-1}$: a surface bonding and a single-protein circuit study

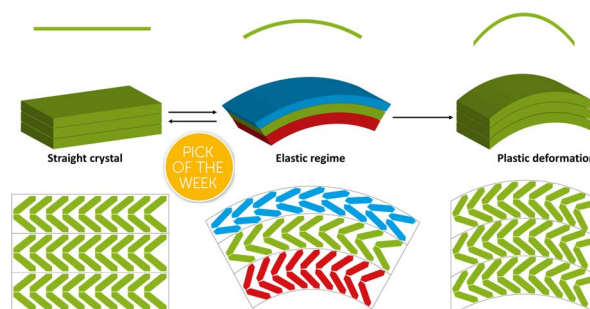
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An atomistic mechanism for elasto-plastic bending in molecular crystals

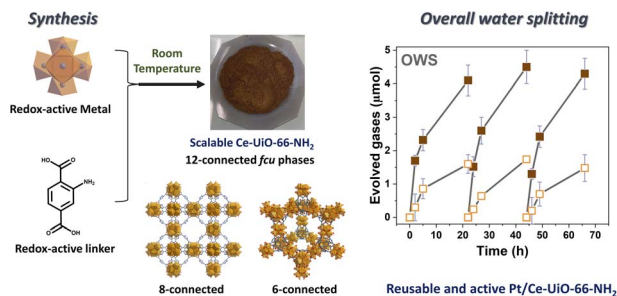
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Room temperature design of Ce(IV)-MOFs: from photocatalytic HER and OER to overall water splitting under simulated sunlight irradiation

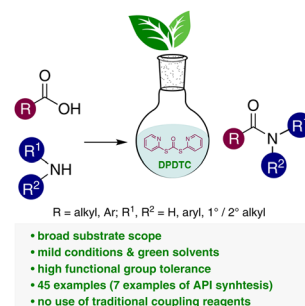
Shan Dai, Eva Montero-Lanzuela, Antoine Tissot,* Herme G. Baldoví, Hermenegildo García, Sergio Navalón* and Christian Serre*



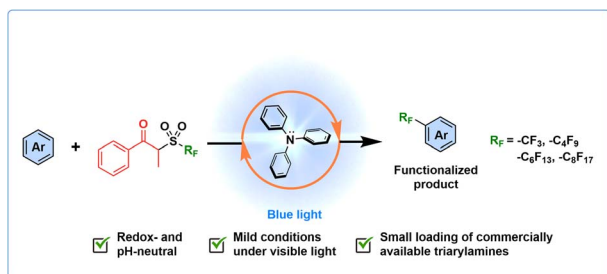
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Direct formation of amide/peptide bonds from carboxylic acids: no traditional coupling reagents, 1-pot, and green

Kaitlyn M. Freiberg, Rahul D. Kavthe, Rohan M. Thomas, David M. Fialho, Paris Dee, Matthew Scurria and Bruce H. Lipshutz*



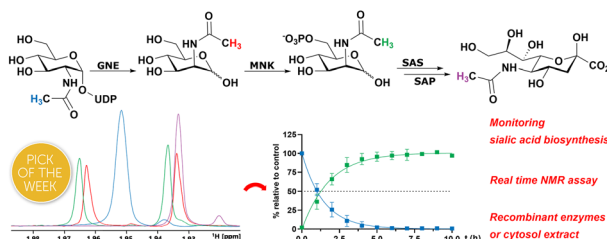
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Triarylamines as catalytic donors in light-mediated electron donor–acceptor complexes

Durbis J. Castillo-Pazos, Juan D. Lasso, Ehsan Hamzehpoor, Jorge Ramos-Sánchez, Jan Michael Salgado, Gonzalo Cosa, Dmytro F. Perepichka and Chao-Jun Li*

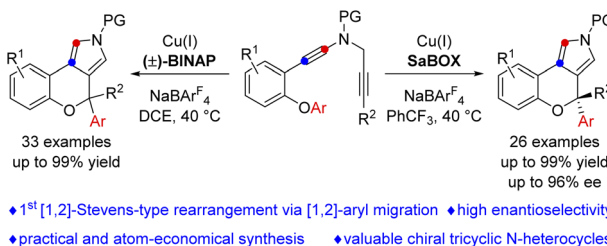
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Real-time monitoring of the sialic acid biosynthesis pathway by NMR

Jacob L. Gorenflos López, Peter Schmieder, Kristin Kemnitz-Hassanin, Hatice Ceyda Asikoglu, Arif Celik, Christian E. Stieger, Dorothea Fiedler, Stephan Hinderlich* and Christian P. R. Hackenberger*

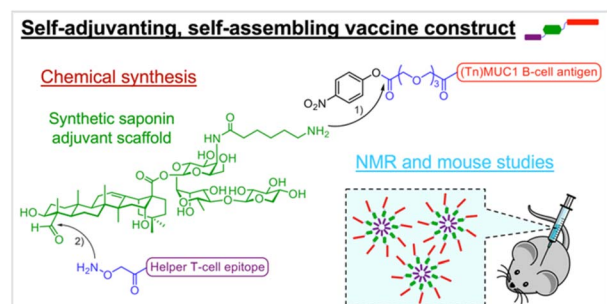
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Copper-catalyzed enantioselective diyne cyclization via C(sp²)-O bond cleavage

Ji-Jia Zhou, Ya-Nan Meng, Li-Gao Liu, Yi-Xi Liu, Zhou Xu,* Xin Lu,* Bo Zhou and Long-Wu Ye*

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Development of synthetic, self-adjuvanting, and self-assembling anticancer vaccines based on a minimal saponin adjuvant and the tumor-associated MUC1 antigen

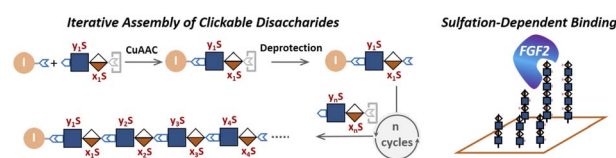
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Heparan sulfate glycomimetics via iterative assembly of "clickable" disaccharides

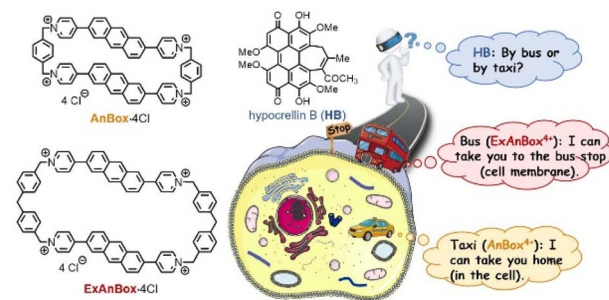
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Supramolecular photosensitizers using extended macrocyclic hosts for photodynamic therapy with distinct cellular delivery

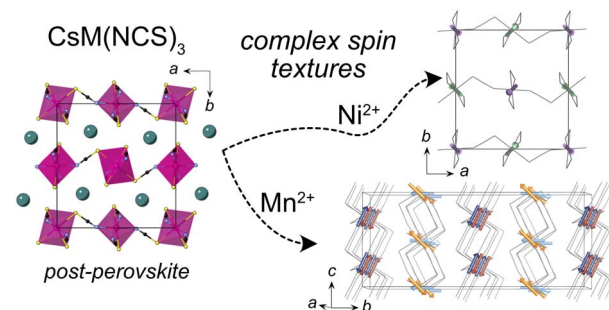
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Non-collinear magnetism in the post-perovskite thiocyanate frameworks CsM(NCS)₃

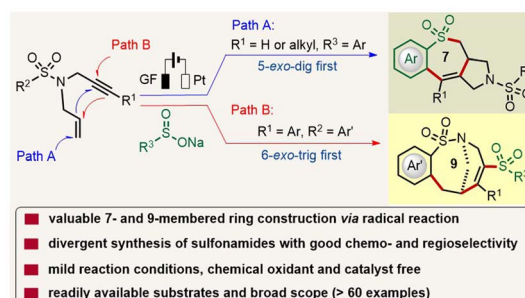
Madeleine Geers, Jie Yie Lee, Sanliang Ling, Oscar Fabelo, Laura Cañadillas-Delgado and Matthew J. Cliffe*



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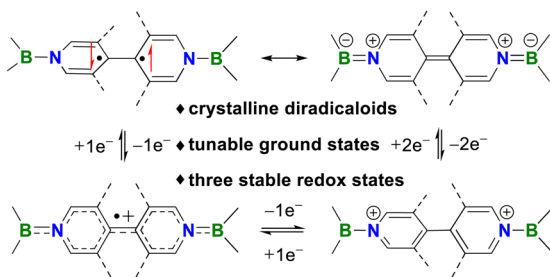
Electrosynthesis of bridged or fused sulfonamides through complex radical cascade reactions: divergence in medium-sized ring formation

Yan Zhang,* Zhenzhi Cai, Chunhang Zhao, Hanliang Zheng and Lutz Ackermann*



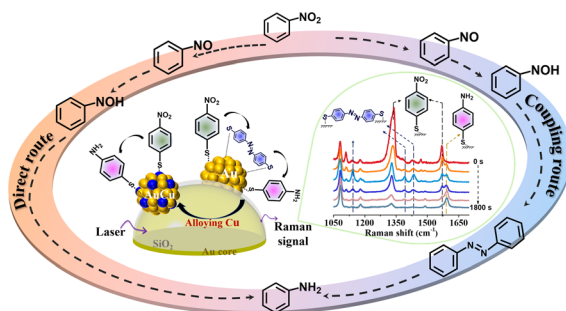
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the Marriage of Viologens and Chichibabin's Hydrocarbon

Multiple stable redox states and tunable ground states *via* the marriage of viologens and Chichibabin's hydrocarbon

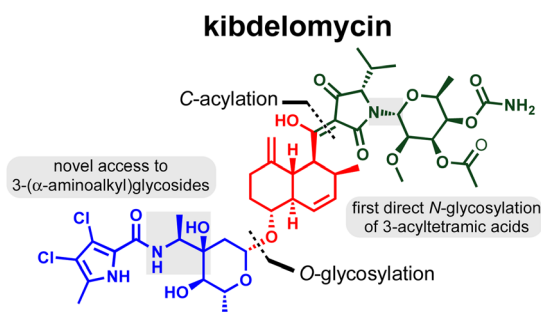
Yuyang Dai, Zhuofeng Xie, Manling Bao, Chunmeng Liu and Yuanting Su*

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*In situ* SERS reveals the route regulation mechanism mediated by bimetallic alloy nanocatalysts for the catalytic hydrogenation reaction

Xiaoxiao Li, Jinghua An, Ze Gao, Chang Xu, Yaoying Cheng, Simin Li, Lu Li* and Bo Tang*

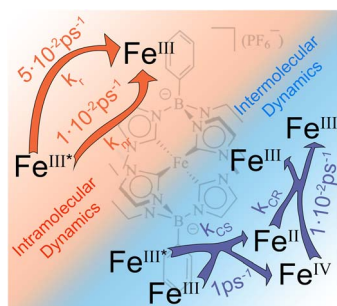
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Formal synthesis of kibelomycin and derivatisation of amycolose glycosides

Manuel G. Schriefer, Laura Treiber and Rainer Schobert*

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Competing dynamics of intramolecular deactivation and bimolecular charge transfer processes in luminescent Fe(III) N-heterocyclic carbene complexes

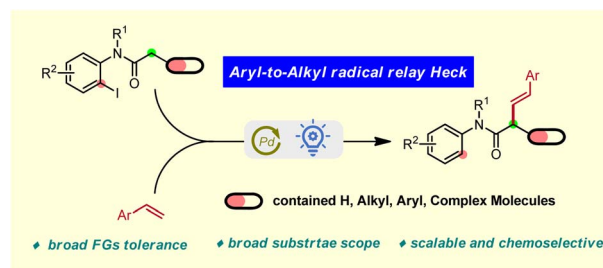
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Aryl-to-alkyl radical relay Heck reaction of amides with vinyl arenes

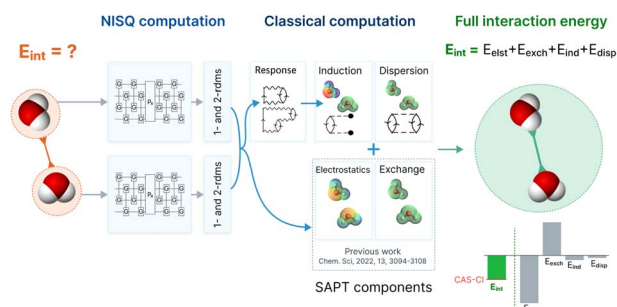
Yu-jia Du, Xia-xin Sheng, Jun-hua Li, Jia-ming Chen, Sen Yang* and Ming Chen*



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Accurate non-covalent interaction energies on noisy intermediate-scale quantum computers via second-order symmetry-adapted perturbation theory

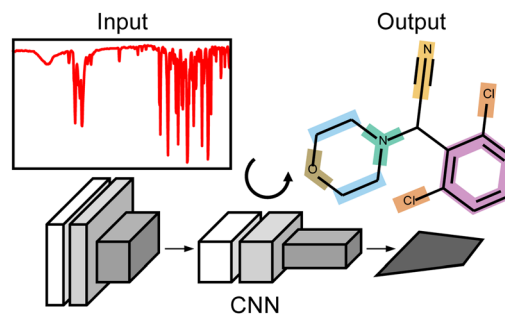
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Automatic materials characterization from infrared spectra using convolutional neural networks

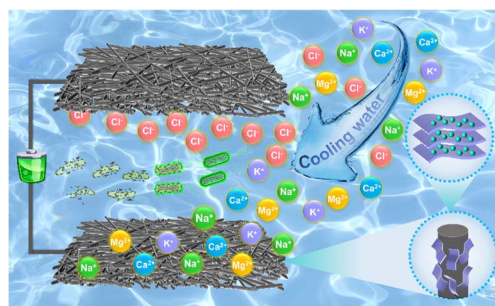
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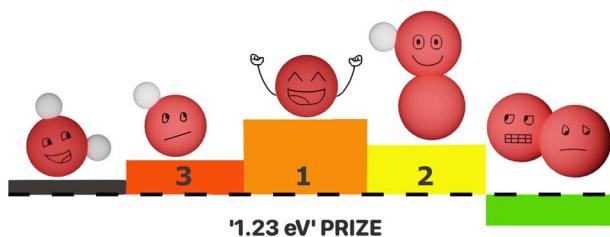
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Ti₃C₂T_x MXene/carbon nanofiber multifunctional electrode for electrode ionization with antifouling activity

Jingjing Lei, Fei Yu, Haijiao Xie and Jie Ma*



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A general but still unknown characteristic of active oxygen evolution electrocatalysts

Eleonora Romeo, Francesc Illas* and Federico Calle-Vallejo*

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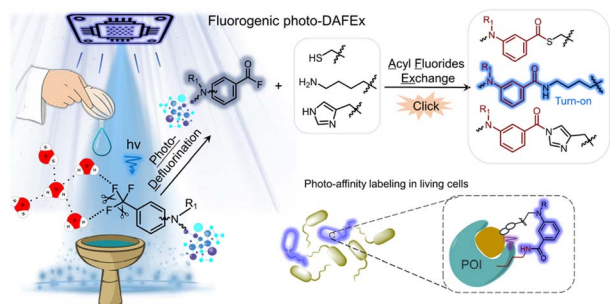
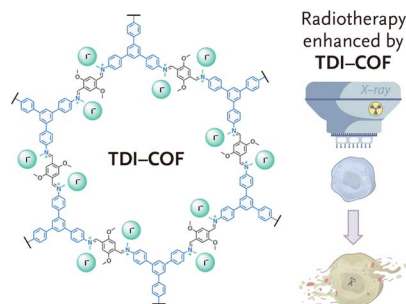


Photo-induced defluorination acyl fluoride exchange as a fluorogenic photo-click reaction for photo-affinity labeling

Lijun Deng, Cefei Zhang, Baolin Li, Jieli Fu, Zhong Zhang, Sitong Li, Xiaohu Zhao, Zhishan Su, Changwei Hu* and Zhipeng Yu*

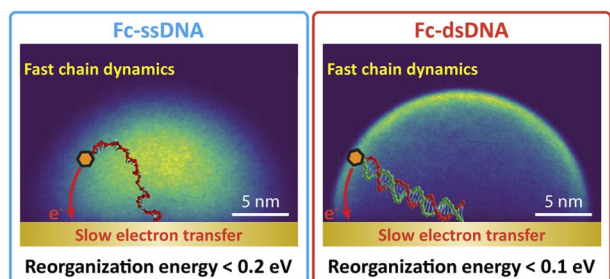
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An iodide-containing covalent organic framework for enhanced radiotherapy

Le-Le Zhou, Qun Guan, Wei Zhou, Jing-Lan Kan and Yu-Bin Dong*

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Electrochemical response of surface-attached redox DNA governed by low activation energy electron transfer kinetics

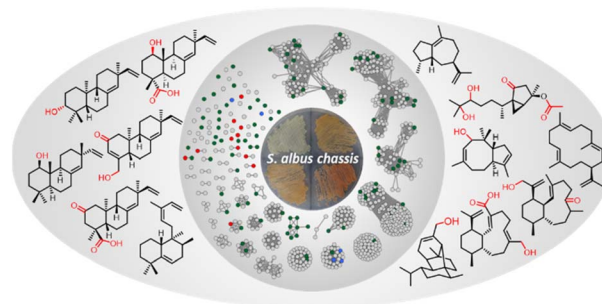
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Building *Streptomyces albus* as a chassis for synthesis of bacterial terpenoids

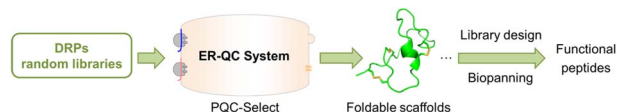
Yi Ling Hu, Qi Zhang, Shuang He Liu, Jia Li Sun, Fang Zhou Yin, Zi Ru Wang, Jing Shi, Rui Hua Jiao* and Hui Ming Ge*



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Selection and evolution of disulfide-rich peptides via cellular protein quality control

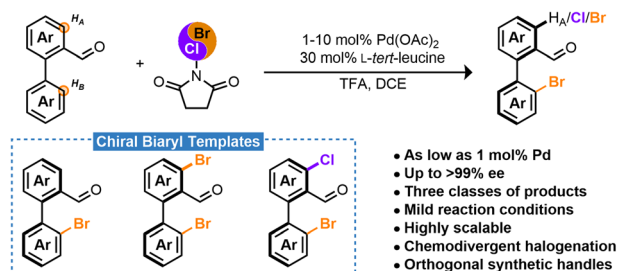
Xiaoting Meng, Chaoying Xu, Shihui Fan, Meng Dong, Jie Zhuang, Zengping Duan, Yibing Zhao and Chuanliu Wu*



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Atroposelective brominations to access chiral biaryl scaffolds using high-valent Pd-catalysis

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Redox tuning of the H-cluster by second coordination sphere amino acids in the sensory [FeFe] hydrogenase from *Thermotoga maritima*

Nipa Chongdar,* Patricia Rodríguez-Maciá, Edward J. Reijerse, Wolfgang Lubitz, Hideaki Ogata* and James A. Birrell*

