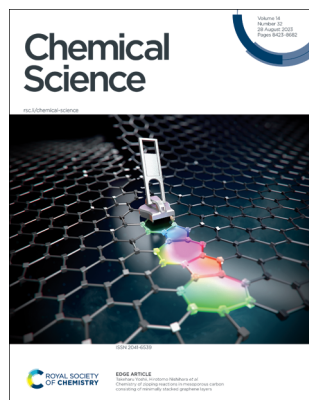
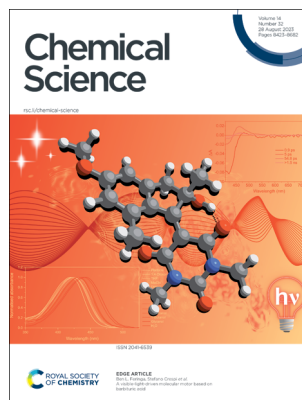


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ISSN 2041-6539 CODEN CSHCBM 14(32) 8423–8682 (2023)



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See Takeharu Yoshii, Hiroto Nishihara *et al.*, pp. 8448–8457.  
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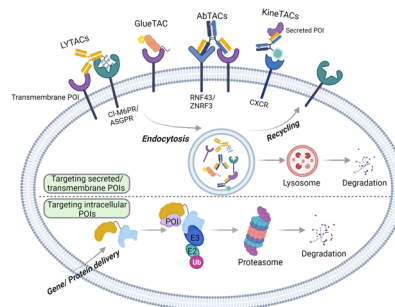
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Fangfang Shen and Laura M. K. Dassama\*

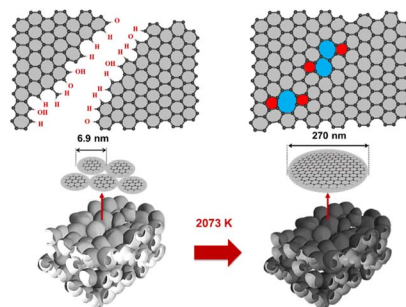


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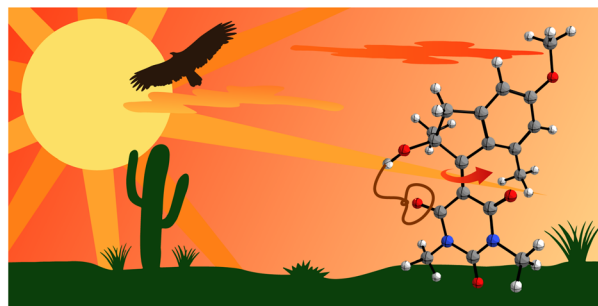
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### A visible-light-driven molecular motor based on barbituric acid

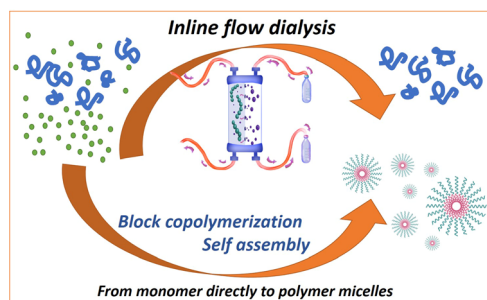
Kim Kuntze, Daisy R. S. Pooler, Mariangela Di Donato, Michiel F. Hilbers, Pieter van der Meulen, Wybren Jan Buma, Arri Priimagi, Ben L. Feringa\* and Stefano Crespi\*



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### From monomer to micelle: a facile approach to the multi-step synthesis of block copolymers via inline purification

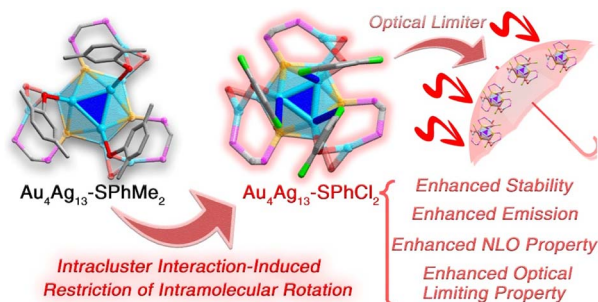
Pieter-Jan Voorter, Gayathri Dev, Axel-Laurenz Buckinx, Jinhua Dai, Priya Subramanian, Anil Kumar, Neil R. Cameron and Tanja Junkers\*



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### Restriction of intramolecular rotation for functionalizing metal nanoclusters

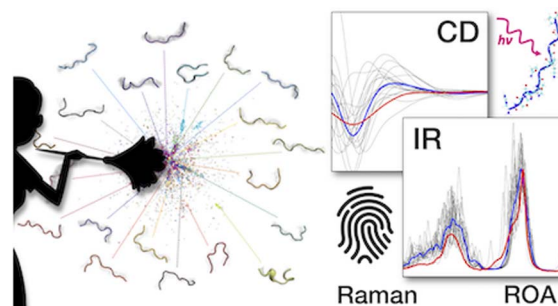
Junsheng Xin, Jing Xu, Chen Zhu, Yupeng Tian, Qiong Zhang,\* Xi Kang\* and Manzhou Zhu\*



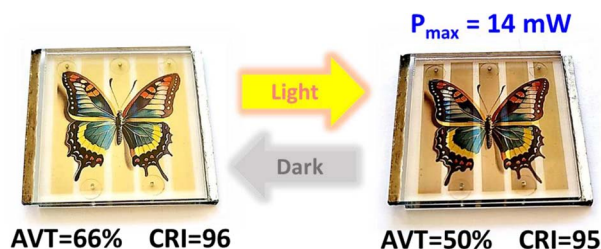
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Monika Michaelis, Lorenzo Cupellini,\* Carl Mensch, Carole C. Perry, Massimo Delle Piane\* and Lucio Colombi Ciacchi



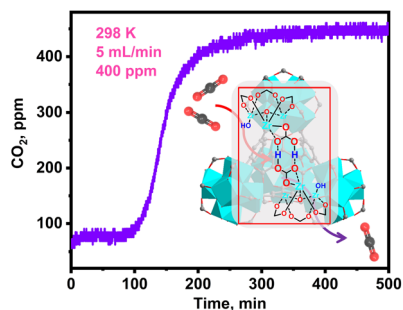
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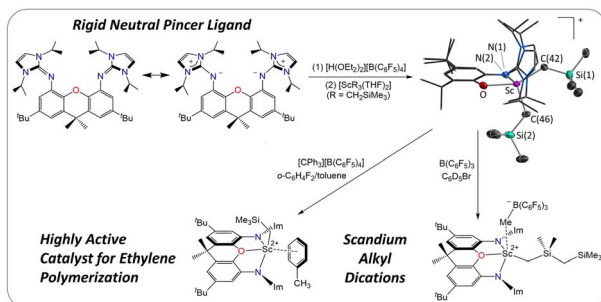
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### Controlled alkali etching of MOFs with secondary building units for low-concentration CO<sub>2</sub> capture

Hong Dong, Lihua Li and Can Li\*

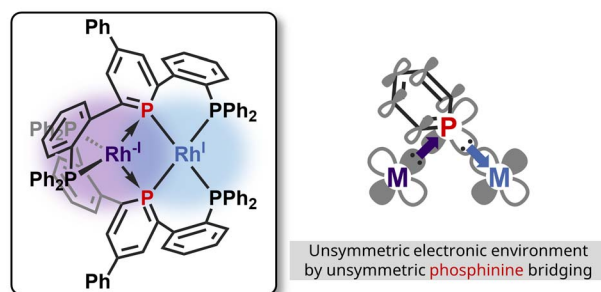
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Aathith Vasanthakumar, Jeffrey S. Price and David J. H. Emslie\*

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### A dinuclear Rh(-I)/Rh(I) complex bridged by biphilic phosphinine ligands

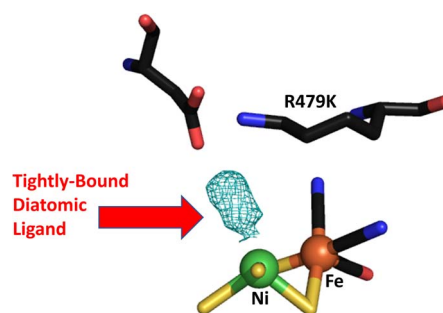
Koichiro Masada, Kiyosumi Okabe, Shuhei Kusumoto and Kyoko Nozaki\*



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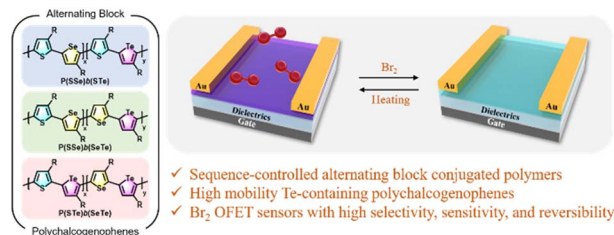
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Kuo-Hsiu Huang, Huai-Hsuan Liu, Kuang-Yi Cheng, Chia-Lin Tsai and Yen-Ju Cheng\*



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### Rhodium-catalyzed annulative approach to N–N axially chiral biaryls via C–H activation and dynamic kinetic transformation

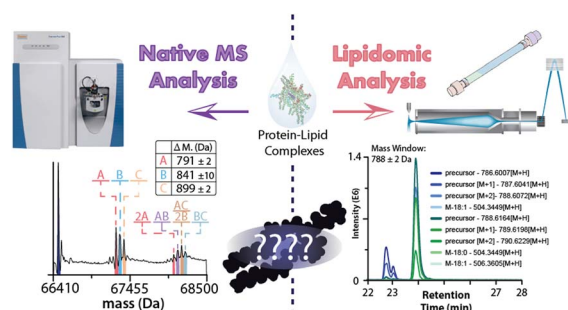
Xiaohan Zhu, Hongli Wu, Yishou Wang, Genping Huang,\* Fen Wang\* and Xingwei Li



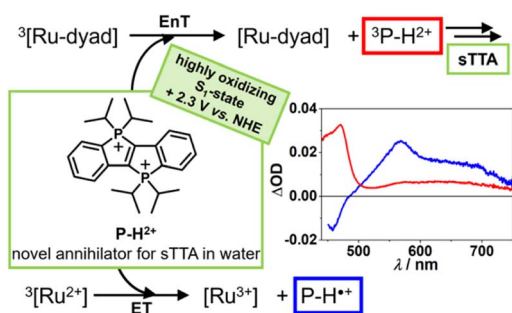
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### Combining native mass spectrometry and lipidomics to uncover specific membrane protein–lipid interactions from natural lipid sources

Yun Zhu, Melanie T. Odenkirk, Pei Qiao, Tianqi Zhang, Samantha Schrecke, Ming Zhou, Michael T. Marty, Erin S. Baker\* and Arthur Laganowsky\*



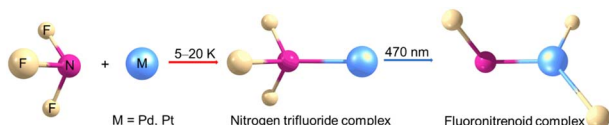
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### Triplet quenching pathway control with molecular dyads enables the identification of a highly oxidizing annihilator class

Maria-Sophie Bertrams, Katharina Hermainski, Jean-Marc Mörsdorf, Joachim Ballmann\* and Christoph Kerzig\*

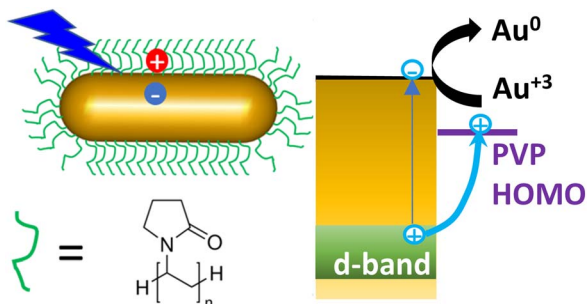
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### Nitrogen Trifluoride Complexes of Group 10 Transition Metals $M(NF_3)_3$ ( $M = Pd, Pt$ )

Guohai Deng,\* Yan Lu, Tony Stüker and Sebastian Riedel\*

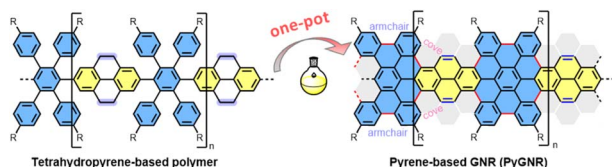
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### Promoting plasmonic photocatalysis with ligand-induced charge separation under interband excitation

Ben Roche, Tamie Vo and Wei-Shun Chang\*

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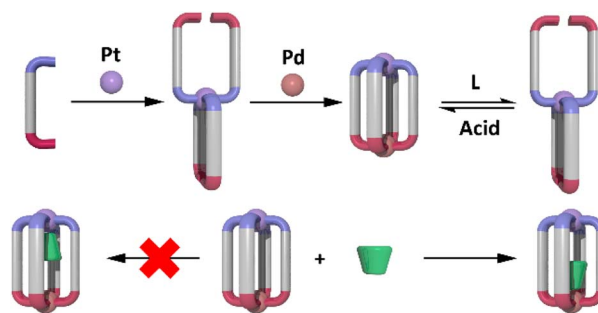
Sebastian Obermann, Wenhao Zheng, Jason Melidonie, Steffen Böckmann, Silvio Osella, Nicolás Arisnabarreta, L. Andrés Guerrero-León, Felix Hengersdorf, David Beljonne, Jan J. Weigand, Mischa Bonn, Steven De Feyter, Michael Ryan Hansen, Hai I. Wang, Ji Ma\* and Xinliang Feng\*



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### Exploiting reduced-symmetry ligands with pyridyl and imidazole donors to construct a second-generation stimuli-responsive heterobimetallic [PdPtL<sub>4</sub>]<sup>4+</sup> cage

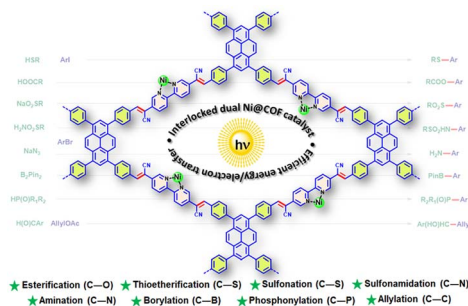
Aston C. Percy, Lynn S. Lisboa, Dan Preston, Nick B. Page, Tristan Lawrence, L. James Wright, Christian G. Hartinger and James D. Crowley\*



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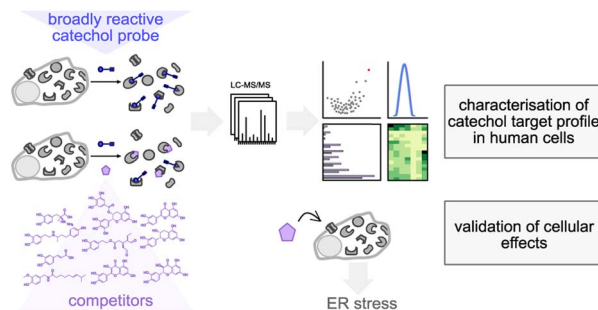
Ayan Jati, Suranjana Dam, Shekhar Kumar, Kundan Kumar and Biplab Maji\*



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### A chemical probe unravels the reactive proteome of health-associated catechols

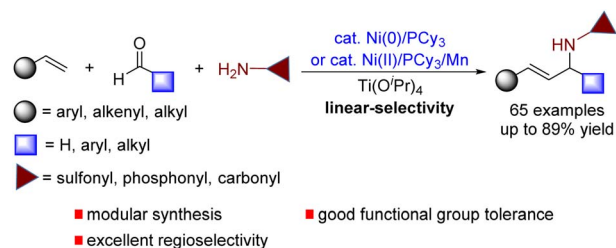
Angela Weigert Muñoz, Kevin M. Meighen-Berger, Stephan M. Hacker, Matthias J. Feige and Stephan A. Sieber\*



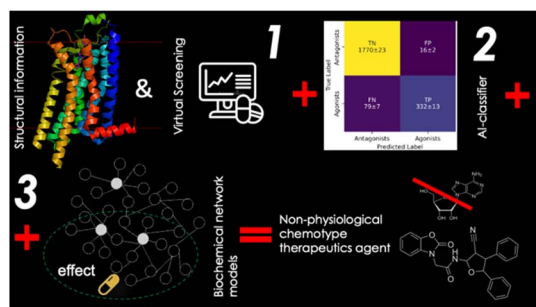
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Wei-Guo Xiao, Bin Xuan, Li-Jun Xiao\* and Qi-Lin Zhou



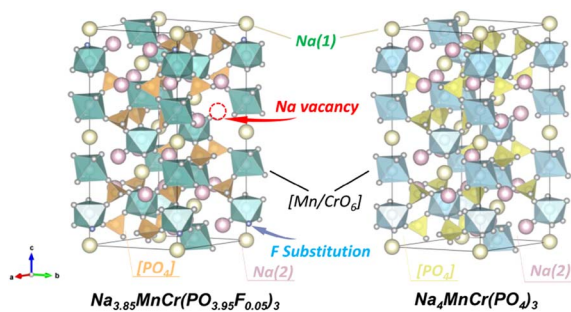
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## AI-based identification of therapeutic agents targeting GPCRs: introducing ligand type classifiers and systems biology

Jonas Goßen, Rui Pedro Ribeiro, Dirk Bier, Bernd Neumaier, Paolo Carloni, Alejandro Giorgetti and Giulia Rossetti\*

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## "Mn-locking" effect by anionic coordination manipulation stabilizing Mn-rich phosphate cathodes

Wei Zhang, Yulun Wu, Yuhang Dai, Zhenming Xu,\* Liang He, Zheng Li, Shihao Li, Ruwei Chen, Xuan Gao, Wei Zong, Fei Guo, Jiexin Zhu, Haobo Dong, Jianwei Li, Chumei Ye, Simin Li, Feixiang Wu, Zhian Zhang,\* Guanjie He,\* Yanqing Lai\* and Ivan P. Parkin\*

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## Salt-stabilized alkylzinc pivalates: versatile reagents for cobalt-catalyzed selective 1,2-dialkylation

Jie Lin, Kaixin Chen, Jixin Wang, Jiawei Guo, Siheng Dai, Ying Hu and Jie Li\*

