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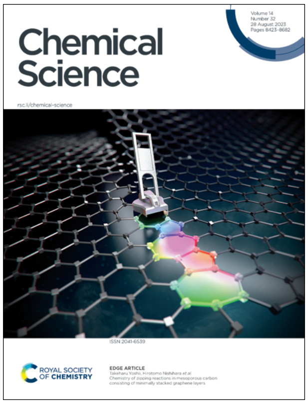

Cover
See Takeharu Yoshii, Hirotomo Nishihara *et al.*, pp. 8448–8457.
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Inside cover
See Ben L. Feringa, Stefano Crespi *et al.*, pp. 8458–8465.
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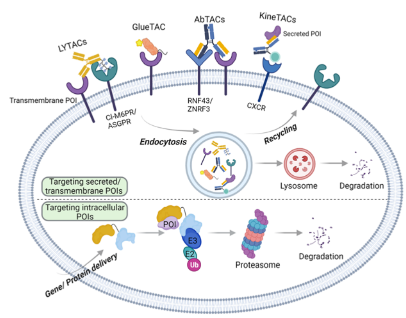
PERSPECTIVE

8433

Opportunities and challenges of protein-based targeted protein degradation

Fangfang Shen and Laura M. K. Dassama*

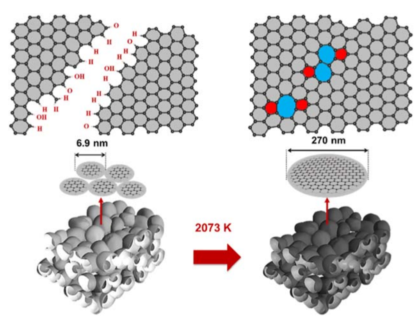


EDGE ARTICLES

8448

Chemistry of zipping reactions in mesoporous carbon consisting of minimally stacked graphene layers

Tian Xia, Takeharu Yoshii,* Keita Nomura, Keigo Wakabayashi, Zheng-Ze Pan, Takafumi Ishii, Hideki Tanaka, Takashi Mashio, Jin Miyawaki, Toshiya Otomo, Kazutaka Ikeda, Yohei Sato, Masami Terauchi, Takashi Kyotani and Hirotomo Nishihara*



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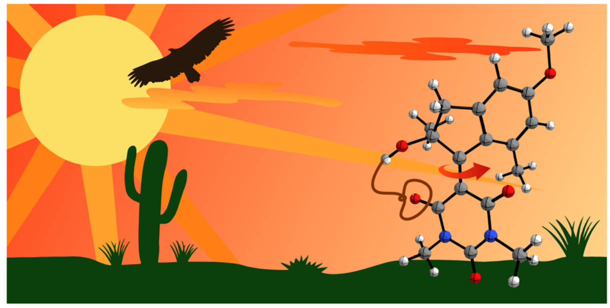
EDGE ARTICLES

8458

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

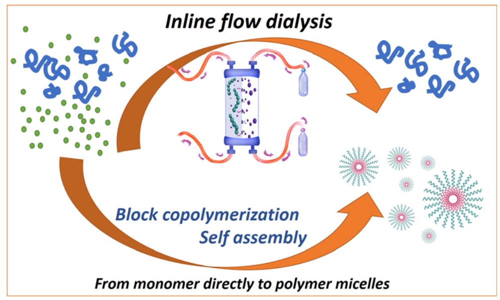
Kim Kuntze, Daisy R. S. Pooler, Mariangela Di Donato, Michiel F. Hilbers, Pieter van der Meulen, Wybren Jan Buma, Arri Priimagi, Ben L. Feringa* and Stefano Crespi*



8466

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

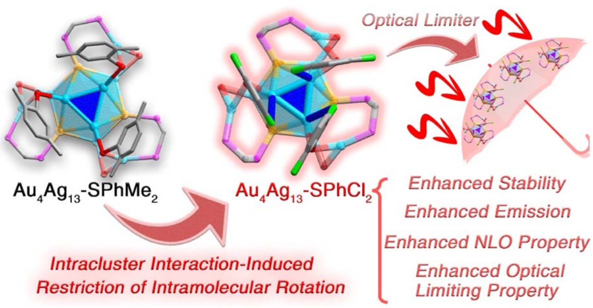
Pieter-Jan Voorter, Gayathri Dev, Axel-Laurenz Buckinx, Jinhuo Dai, Priya Subramanian, Anil Kumar, Neil R. Cameron and Tanja Junkers*



8474

Restriction of intramolecular rotation for functionalizing metal nanoclusters

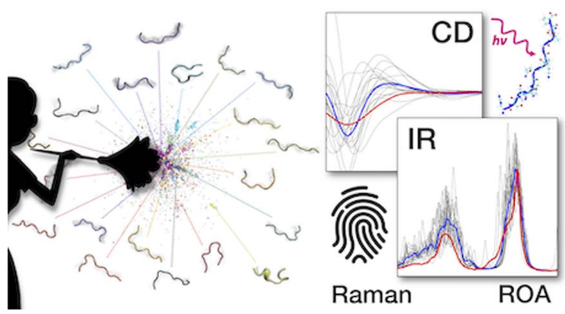
Junsheng Xin, Jing Xu, Chen Zhu, Yupeng Tian, Qiong Zhang,* Xi Kang* and Manzhou Zhu*



8483

Tidying up the conformational ensemble of a disordered peptide by computational prediction of spectroscopic fingerprints

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



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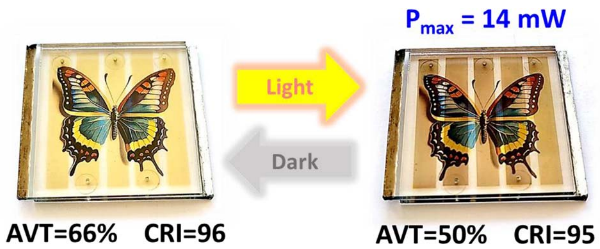

Push-pull photochromic dyes for semi-transparent solar cells with light-adjustable optical properties and high color-rendering index

Samuel Fauvel, Antonio J. Riquelme, José-María Andrés Castán, Valid Mwatati Mwalukuku, Yann Kervella, Vijay Kumar Challuri , Frédéric Sauvage, Stéphanie Narbey, Pascale Maldivi, Cyril Aumaître and Renaud Demadrille*

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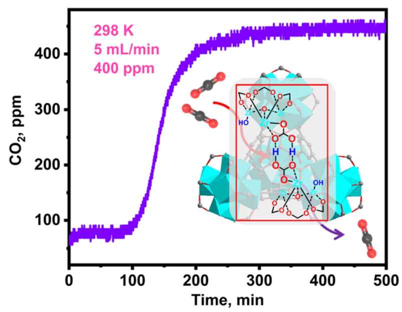

Controlled alkali etching of MOFs with secondary building units for low-concentration CO_2 capture

Hong Dong, Lihua Li and Can Li*

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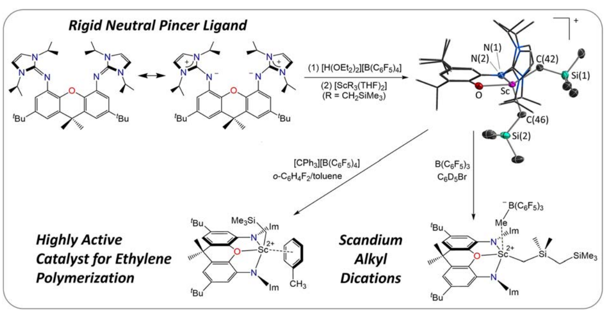

Rare earth dialkyl cations and monoalkyl dications supported by a rigid neutral pincer ligand: synthesis and ethylene polymerization

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

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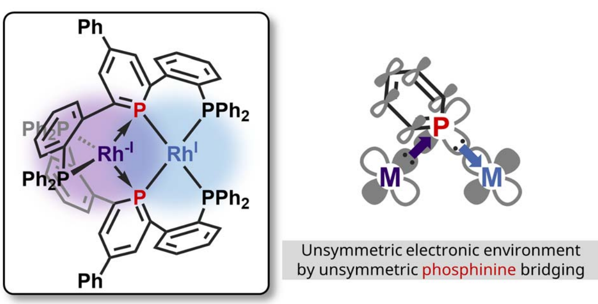

A dinuclear Rh(−I)/Rh(I) complex bridged by biphilic phosphinine ligands

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

EDGE ARTICLES

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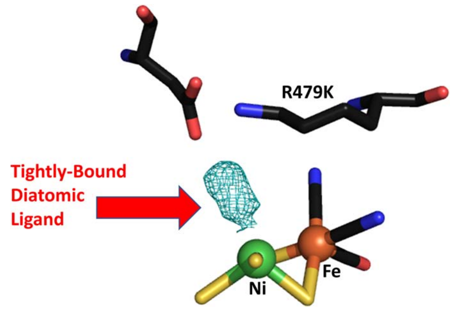
Comprehensive structural, infrared spectroscopic and kinetic investigations of the roles of the active-site arginine in bidirectional hydrogen activation by the [NiFe]-hydrogenase 'Hyd-2' from *Escherichia coli*

Rhiannon M. Evans, Stephen E. Beaton, Patricia Rodriguez Macia, Yunjie Pang, Kin Long Wong, Leonie Kertess, William K. Myers, Ragnar Bjornsson, Philip A. Ash, Kylie A. Vincent, Stephen B. Carr* and Fraser A. Armstrong*



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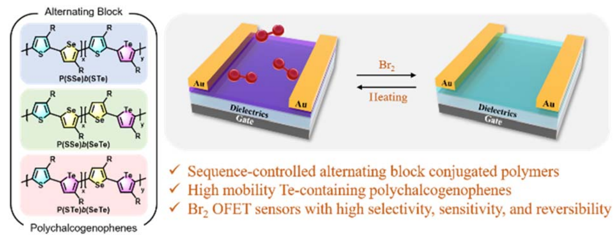
Sequence-controlled alternating block polychalcogenophenes: synthesis, structural characterization, molecular properties, and transistors for bromine detection

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



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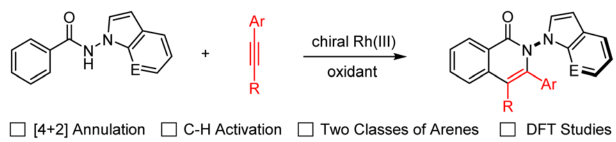
Rhodium-catalyzed annulative approach to N–N axially chiral biaryls *via* C–H activation and dynamic kinetic transformation

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



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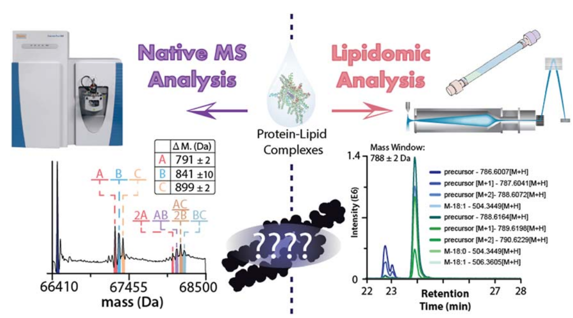
Combining native mass spectrometry and lipidomics to uncover specific membrane protein–lipid interactions from natural lipid sources

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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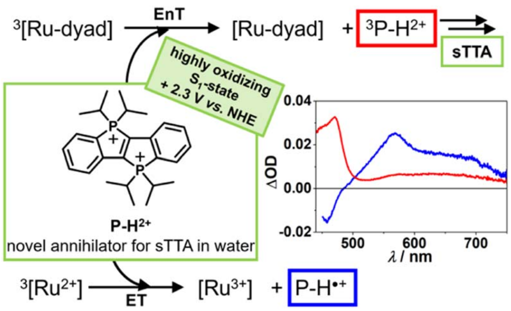

Triplet quenching pathway control with molecular dyads enables the identification of a highly oxidizing annihilator class

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

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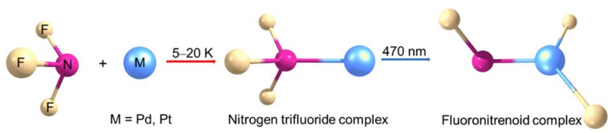

Nitrogen Trifluoride Complexes of Group 10 Transition Metals M(NF_3) (M = Pd, Pt)

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

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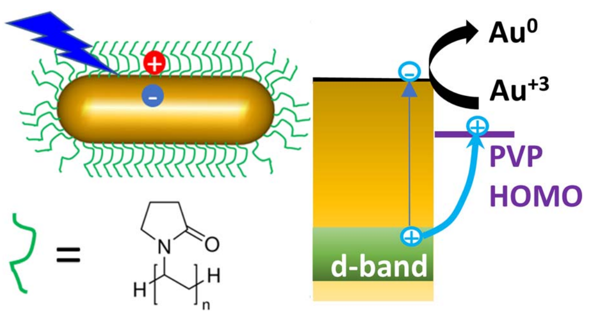

Promoting plasmonic photocatalysis with ligand-induced charge separation under interband excitation

Ben Roche, Tamie Vo and Wei-Shun Chang*

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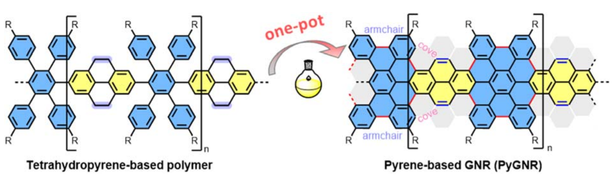

Curved graphene nanoribbons derived from tetrahydropyrene-based polyphenylenes *via* one-pot K-region oxidation and Scholl cyclization

Sebastian Obermann, Wenhao Zheng, Jason Melidonie, Steffen Böckmann, Silvio Osella, Nicolás Arisnabarreta, L. Andrés Guerrero-León, Felix Hennersdorf, 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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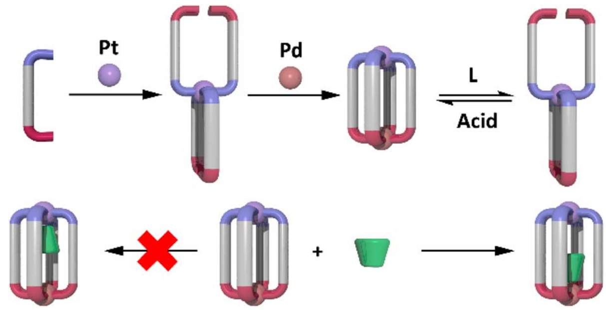
Exploiting reduced-symmetry ligands with pyridyl and imidazole donors to construct a second-generation stimuli-responsive heterobimetallic $[PdPtL_4]^{4+}$ cage

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



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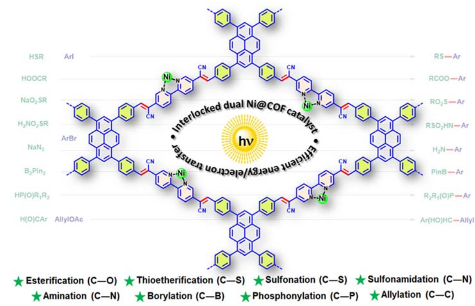
A π-conjugated covalent organic framework enables interlocked nickel/photoredox catalysis for light-harvesting cross-coupling reactions

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



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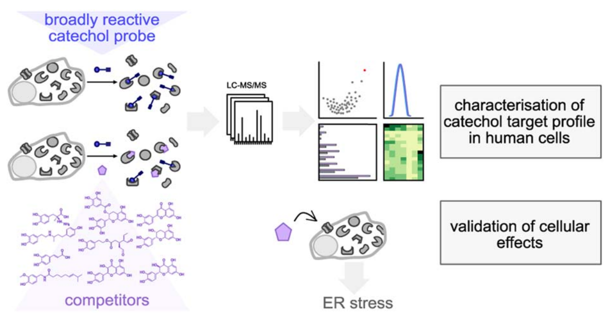
A chemical probe unravels the reactive proteome of health-associated catechols

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



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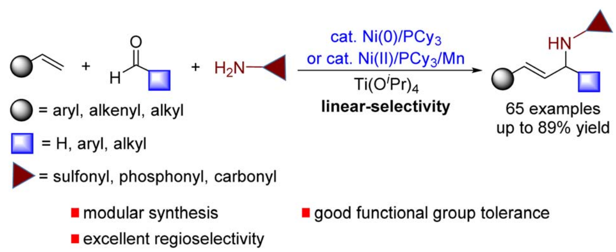
Practical synthesis of allylic amines *via* nickel-catalysed multicomponent coupling of alkenes, aldehydes, and amides

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



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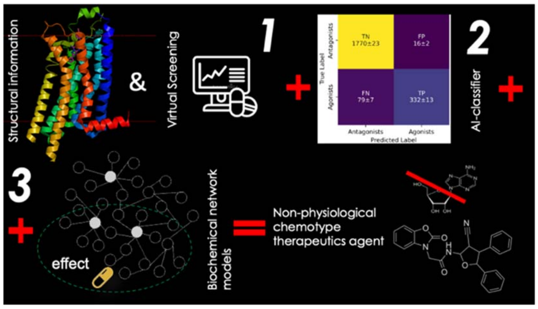

AI-based identification of therapeutic agents targeting GPCRs: introducing ligand type classifiers and systems biology

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

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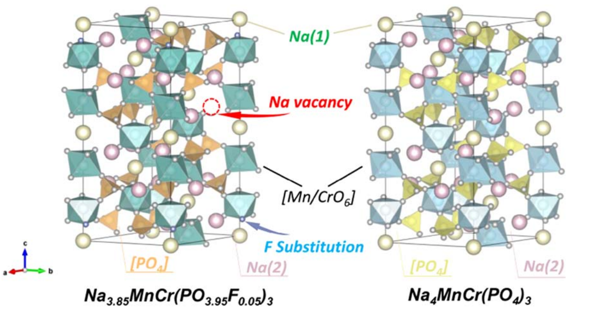

"Mn-locking" effect by anionic coordination manipulation stabilizing Mn-rich phosphate cathodes

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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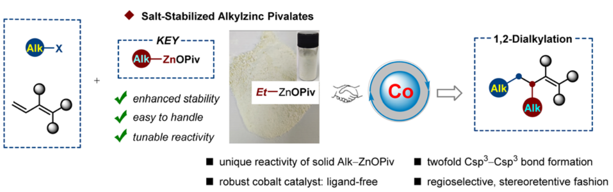

Salt-stabilized alkylzinc pivalates: versatile reagents for cobalt-catalyzed selective 1,2-dialkylation

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