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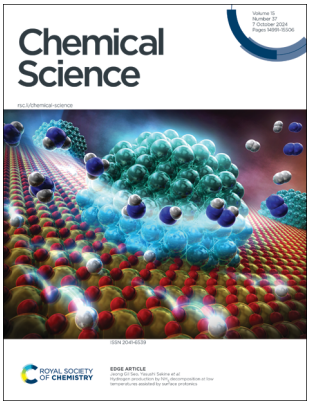
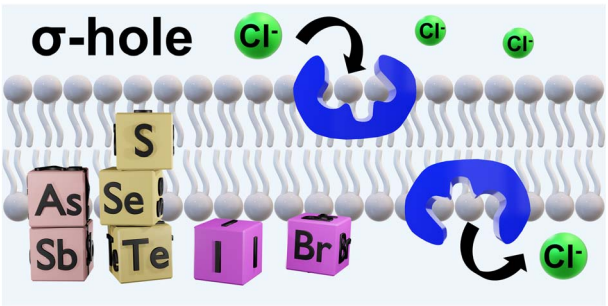
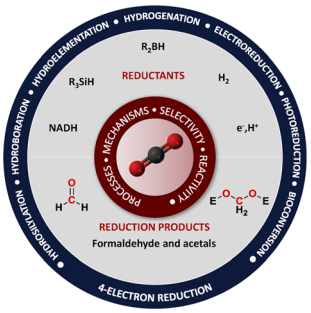


Inside cover
See Jeong Gil Seo, Yasushi Sekine *et al.*, pp. 15125–15133. Image reproduced by permission of Yasushi Sekine from *Chem. Sci.*, 2024, **15**, 15125.

PERSPECTIVE



REVIEWS



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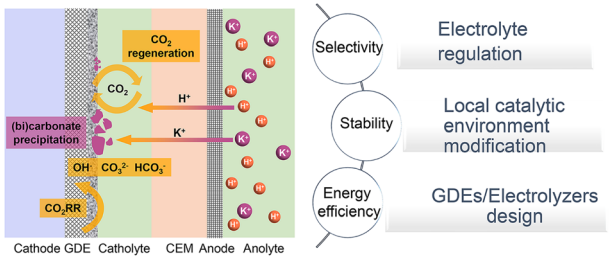
REVIEWS



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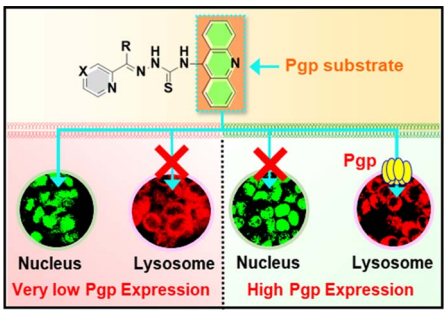
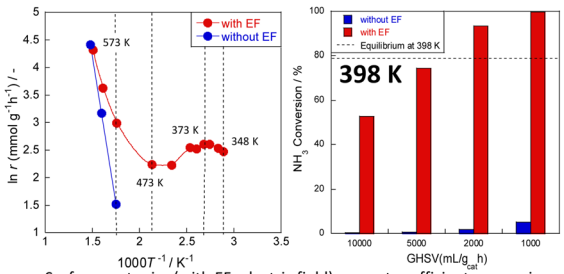
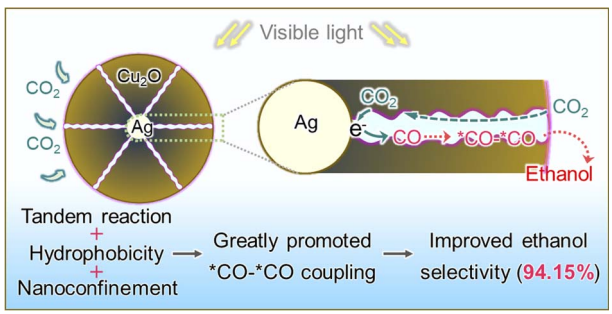




Surface protonics (with EF: electric field) promotes efficient ammonia decomposition at low temperatures.



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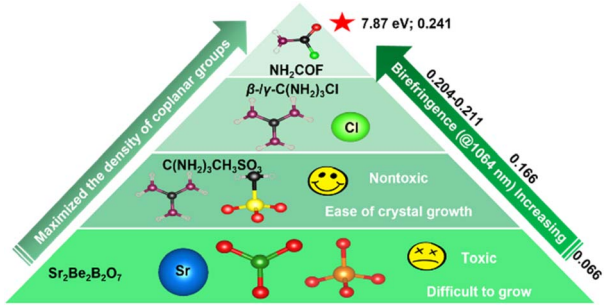
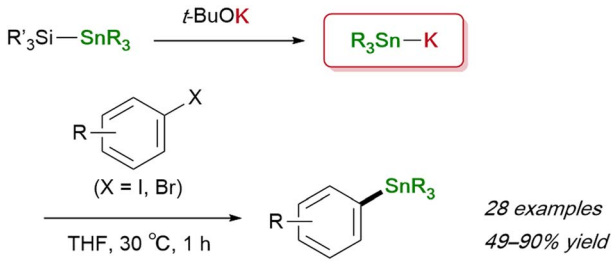


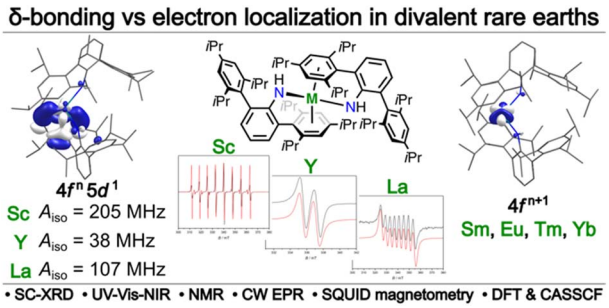
Strategically designed metal-free deep-ultraviolet birefringent crystals with superior optical properties

Yang Li, Xinglong Chen* and Kang Min Ok*



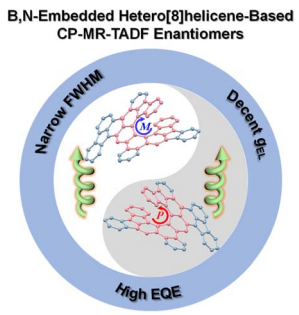
Surefire generation of stannylpotassium: highly reactive stannyl anions and applications

Yuta Hiraoka, Taiki Imagawa, Kazuki Nakanishi, Hinata Kawabe, Masaaki Nakamoto, Takumi Tsushima and Hiroto Yoshida*



δ-Bonding modulates the electronic structure of formally divalent nd^1 rare earth arene complexes

Ross E. MacKenzie, Tomáš Hajdu, John A. Seed, George F. S. Whitehead, Ralph W. Adams, Nicholas F. Chilton, David Collison, Eric J. L. McInnes and Conrad A. P. Goodwin*



Efficient circularly polarized multiple resonance thermally activated delayed fluorescence from B,N-embedded hetero[8]helicene enantiomers

Tingting Huang, Li Yuan, Xueying Lu, Yupei Qu, Cheng Qu, Yincai Xu,* You-Xuan Zheng* and Yue Wang*

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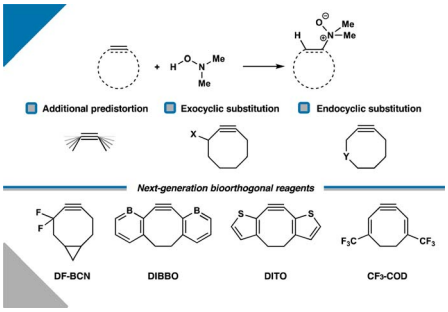

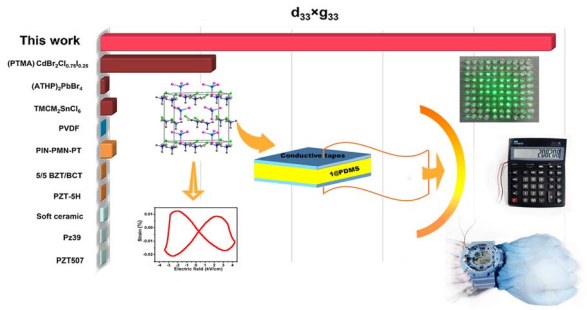

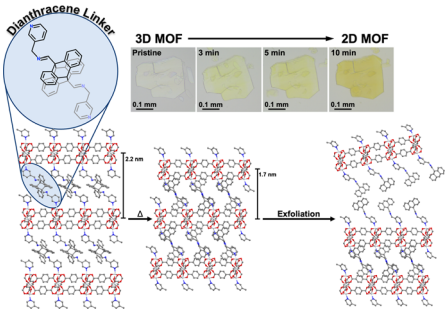

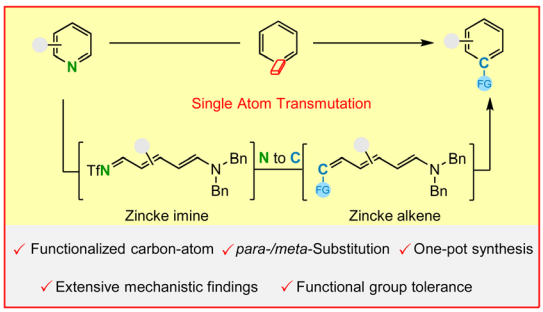

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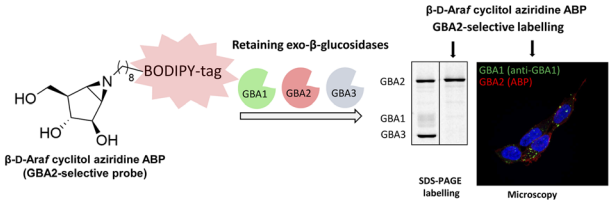
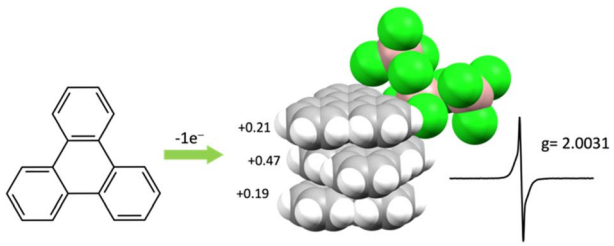


Selective labelling of GBA2 in cells with fluorescent β-D-arabinofuranosyl cyclitol aziridines

Qin Su, Max Louwerse, Rob F. Lammers, Elmer Maurits, Max Janssen, Rolf G. Boot, Valentina Borlandelli, Wendy A. Offen, Daniël Linzel, Sybrin P. Schröder, Gideon J. Davies, Herman S. Overkleeft, Marta Artola* and Johannes M. F. G. Aerts*

15221



A unique trimeric triphenylene radical cation: stacking aggregation, bonding, and stability

Rameswar Bhattacharjee, Megan E. McCormack, Zheng Zhou, Zheng Wei, Marina A. Petrukhina* and Miklos Kertesz*

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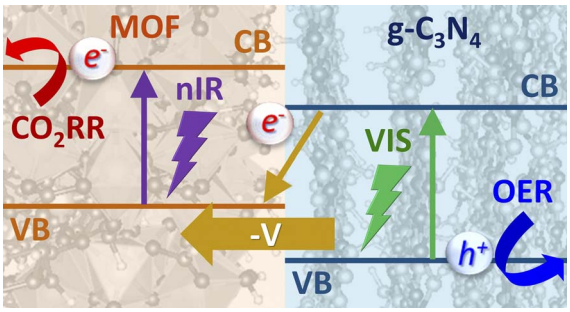

Engineering MOF/carbon nitride heterojunctions for effective dual photocatalytic CO_2 conversion and oxygen evolution reactions

Valentin Diez-Cabanes, Kevin Granados-Tavera, Inderdip Shere, Gloria Cárdenas-Jirón and Guillaume Maurin*

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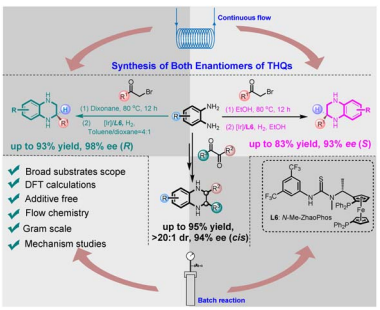

Highly enantioselective synthesis of both enantiomers of tetrahydroquinoxaline derivatives *via* Ir-catalyzed asymmetric hydrogenation

Ana Xu, Lanxing Ren, Junrong Huang, Yuxiang Zhu, Gang Wang, Chaoyi Li, Yongqiang Sun, Lijuan Song,* Hengzhi You* and Fen-Er Chen*

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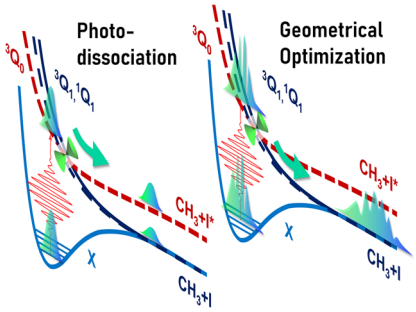

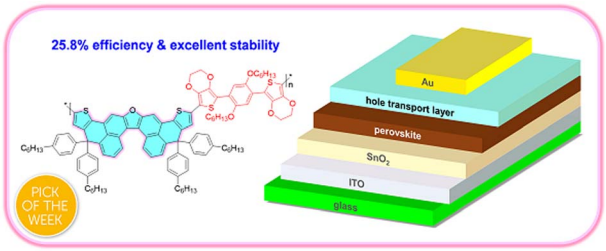

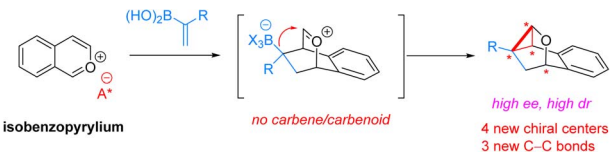

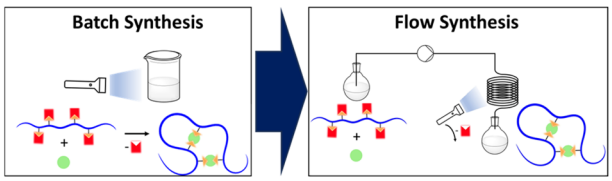

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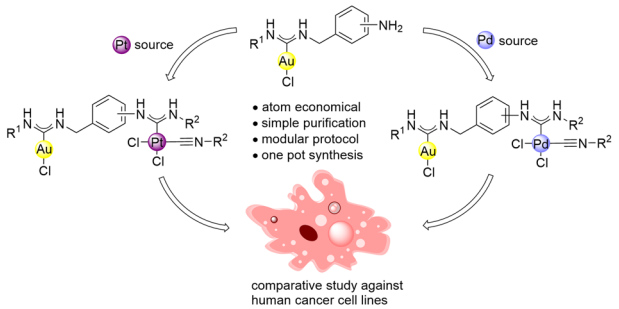

Comparative study of the antiproliferative activity of heterometallic carbene gold(I)–platinum(II) and gold(I)–palladium(II) complexes in cancer cell lines

Martin C. Dietl, Melina Maag, Sophia Ber, Frank Rominger, Matthias Rudolph, Isabella Caligiuri, Pacome K. Andele, Ibraheem A. I. Mkhalid, Flavio Rizzolio, Pablo A. Nogara, Laura Orian, Thomas Scattolin* and A. Stephen K. Hashmi*

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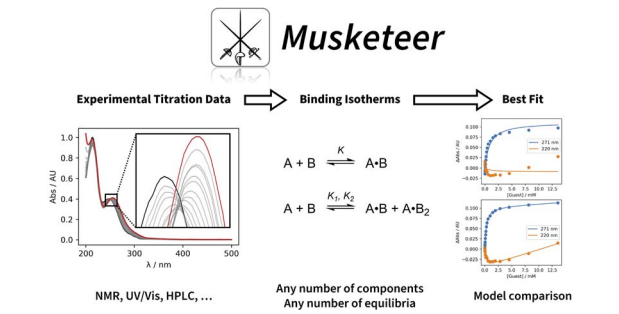

Musketeer: a software tool for the analysis of titration data

Daniil O. Soloviev and Christopher A. Hunter*

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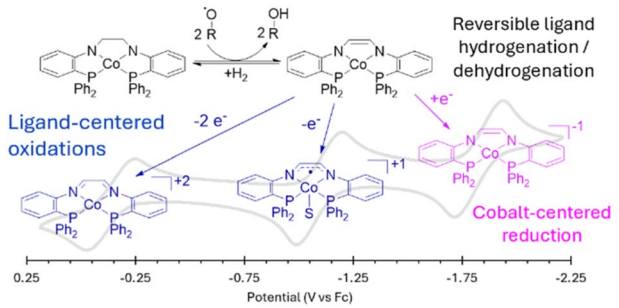

Hydrogen atom abstraction as a synthetic route to a square planar Co^{II} complex with a redox-active tetradentate PNNP ligand

Justin D. Miller, Mitchell M. Walsh, Kyounghoon Lee, Curtis E. Moore and Christine M. Thomas*

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Integrated "all-in-one" strategy to construct highly efficient Pd catalyst for CO_2 transformation

Lingfang Kong, Zekun Tao, Yunjia Li, Huiwen Gong, Yun Bai, Longbin Li, Xianjin Zhang, Zhonggao Zhou* and Yiwang Chen*

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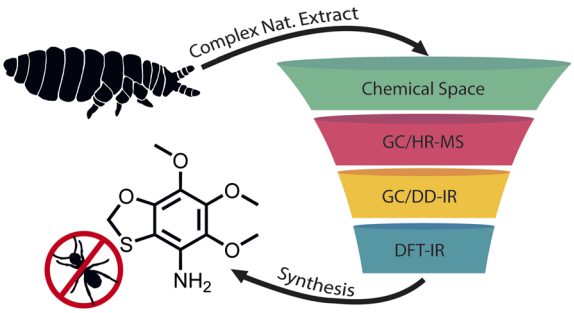

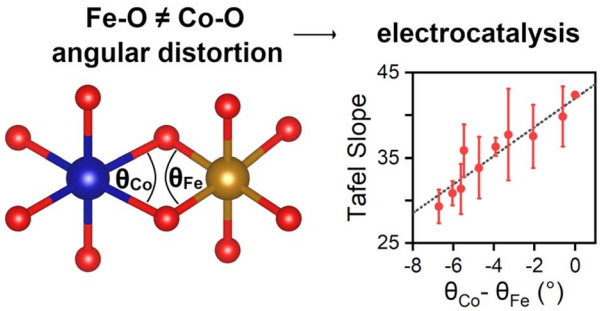

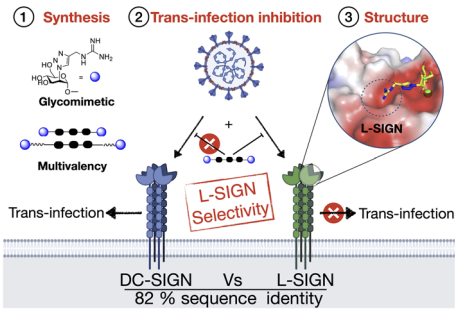

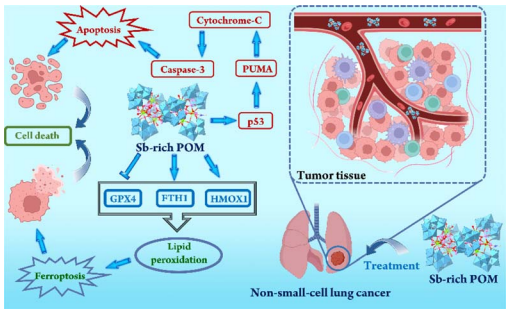

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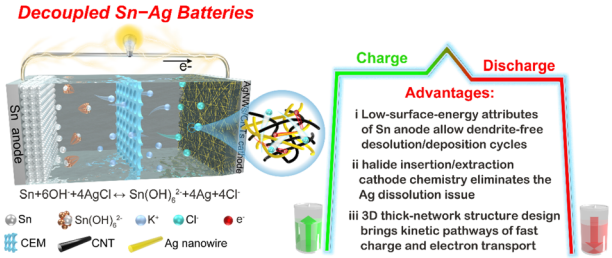

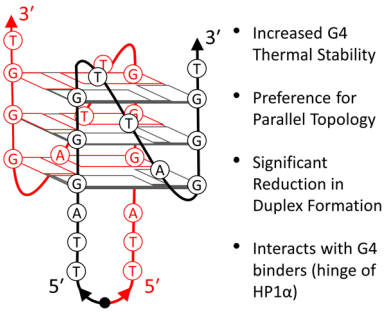

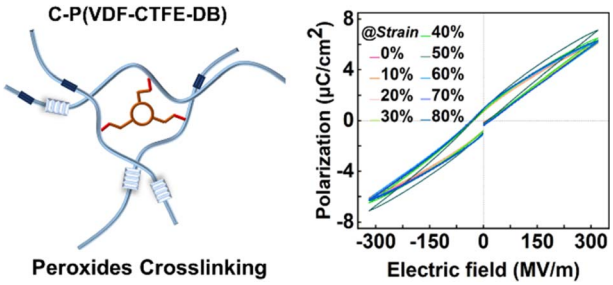

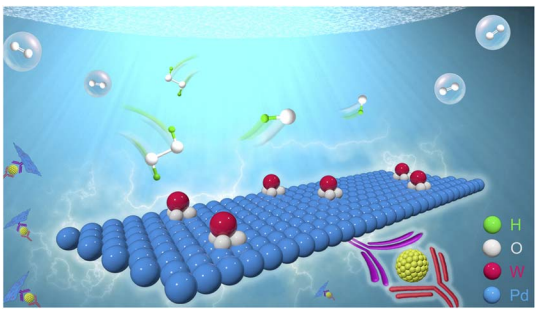

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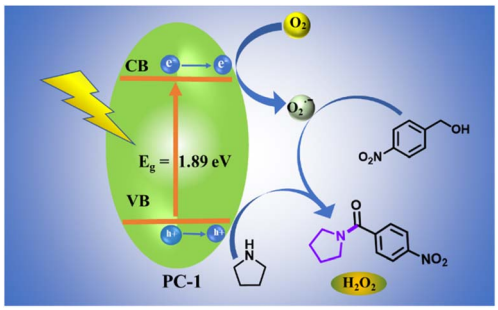
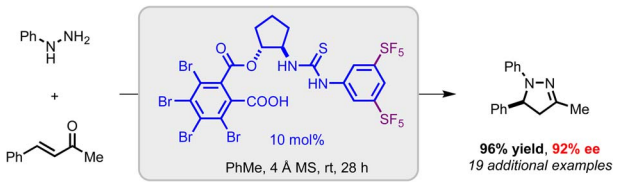


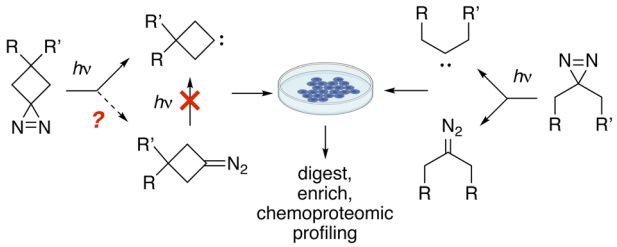
Visible light-driven molecular oxygen activation for oxidative amidation of alcohols using lead-free metal halide perovskite

Vishesh Kumar, Ved Vyas, Deepak Kumar, Ashish Kumar Kushwaha and Arindam Indra*



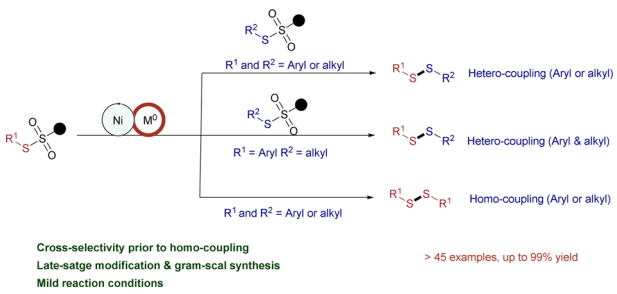
Catalytic enantioselective synthesis of 2-pyrazolines *via* one-pot condensation/6π-electrocyclization: 3,5-bis(pentafluorosulfanyl)-phenylthioureas as powerful hydrogen bond donors

Moises A. Romero Reyes, Subhradeep Dutta, Minami Odagi, Chang Min and Daniel Seidel*



Mechanistic differences between linear *vs.* spirocyclic dialkyldiazirine probes for photoaffinity labeling

Jessica G. K. O'Brien, Louis P. Conway, Paramesh K. Ramaraj, Appaso M. Jadhav, Jun Jin, Jason K. Dutra, Parrish Evers, Shadi S. Masoud, Manuel Schupp, Iakovos Saridakis, Yong Chen, Nuno Maulide, John P. Pezacki, Christopher W. am Ende,* Christopher G. Parker* and Joseph M. Fox*



Nickel-catalyzed selective disulfide formation by reductive cross-coupling of thiosulfonates

Tingting Yuan, Xiang-Yu Chen, Tengfei Ji, Huifeng Yue, Kathiravan Murugesan and Magnus Rueping*

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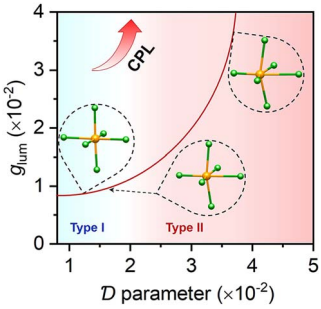

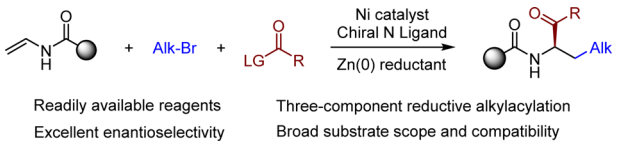

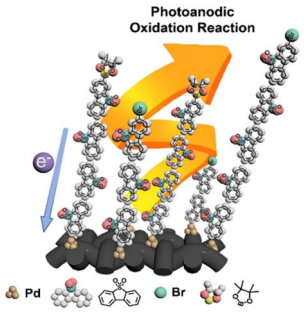

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