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COMMENTARY

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A focus on aromaticity: fuzzier than ever before?

Henrik Ottosson

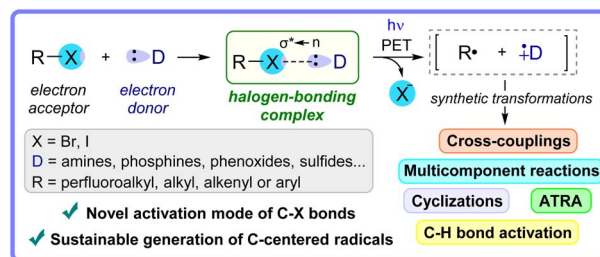


REVIEW

5545

Shining light on halogen-bonding complexes: a catalyst-free activation mode of carbon–halogen bonds for the generation of carbon-centered radicals

Helena F. Piedra, Carlos Valdés and Manuel Plaza*



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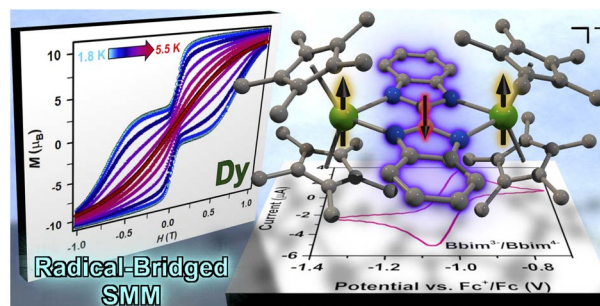


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Magnetic hysteresis and large coercivity in bisbenzimidazole radical-bridged dilanthanide complexes

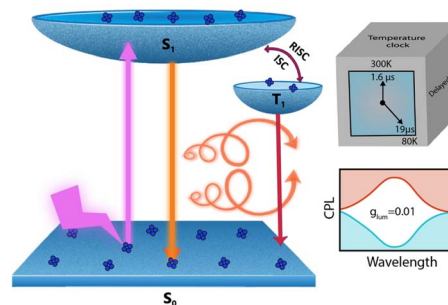
Florian Benner, Léo La Droitte, Olivier Cador,
Boris Le Guennic and Selvan Demir*



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Delayed luminescence guided enhanced circularly polarized emission in atomically precise copper nanoclusters

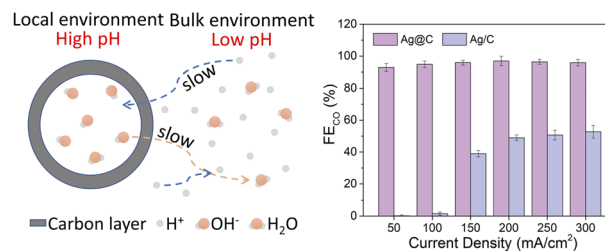
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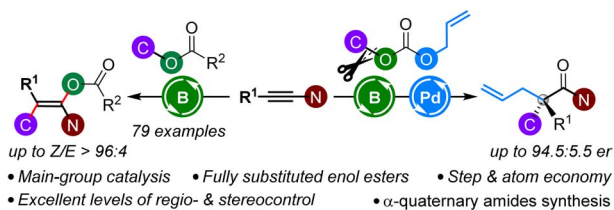
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Confinement of an alkaline environment for electrocatalytic CO₂ reduction in acidic electrolytes

Xiaozhi Li, Peng Zhang, Lili Zhang, Gong Zhang, Hui Gao,
Zifan Pang, Jia Yu, Chunlei Pei, Tuo Wang
and Jinlong Gong*



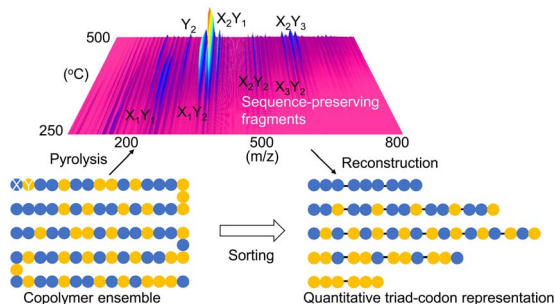
5608



Atom-economic and stereoselective catalytic synthesis of fully substituted enol esters/carbonates of amides in acyclic systems enabled by boron Lewis acid catalysis

Yuanjiu Xiao, Lei Tang, Tong-Tong Xu, Jiang-Yi-Hui Sheng, Zhongyan Zhou, Lei Yue, Guoqiang Wang,* Martin Oestreich* and Jian-Jun Feng*

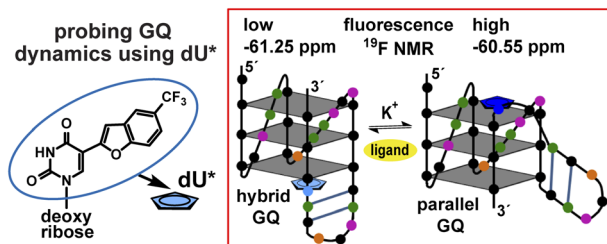
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A data-driven sequencer that unveils latent "codons" in synthetic copolymers

Yusuke Hibi,* Shiho Uesaka and Masanobu Naito*

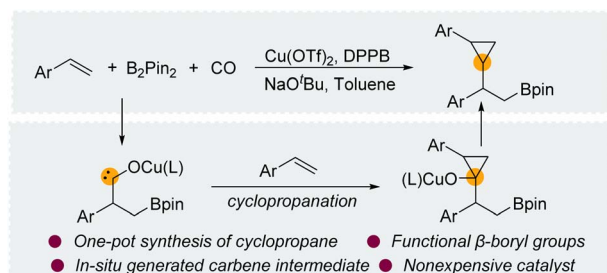
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Probing juxtaposed G-quadruplex and hairpin motifs using a responsive nucleoside probe: a unique scaffold for chemotherapy

Saddam Y. Khatik, Sruthi Sudhakar, Satyajit Mishra, Jeet Kalia, P. I. Pradeepkumar and Seergazhi G. Srivatsan*

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Copper-catalyzed synthesis of β -boryl cyclopropanes via 1,2-borocyclopropanation of aryl olefins with CO as the C1 source

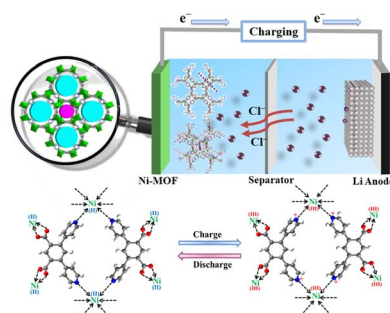
Hui-Qing Geng and Xiao-Feng Wu*



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A nickel-based metal–organic framework as a new cathode for chloride ion batteries with superior cycling stability

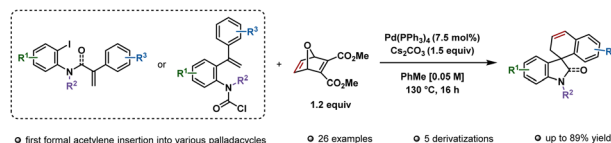
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Synthesis of spirooxindoles via formal acetylene insertion into a common palladacycle intermediate

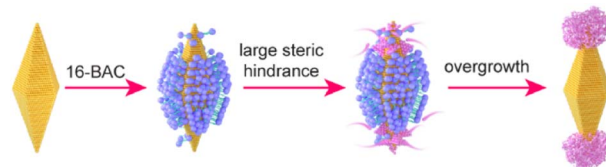
Xavier Abel-Snape, Colton E. Johnson, Bianca Imbriaco and Mark Lautens*



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Steric hindrance-induced selective growth of rhodium on gold nanobipyramids for plasmon-enhanced nitrogen fixation

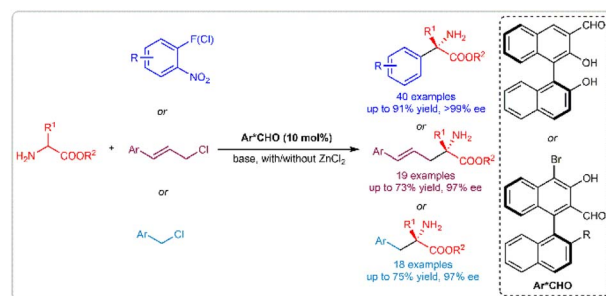
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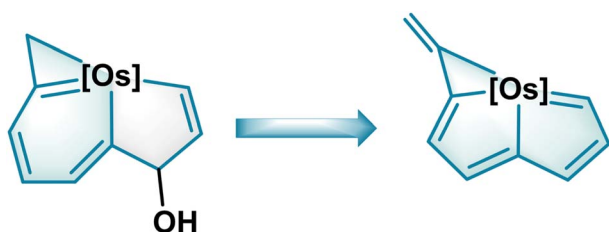
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Chiral aldehyde catalysis enables direct asymmetric α -substitution reaction of N-protected amino acids with haloalkanes

Hao-Ran Shen, Chao-Xing Li, Xin Jiang, Yao Lin, Jian-Hua Liu, Fang Zhu, Zhu-Lian Wu, Tian Cai, Wei Wen,* Rong-Xing He and Qi-Xiang Guo*



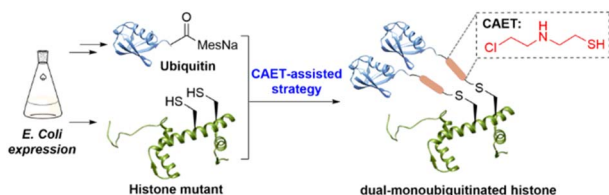
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Reshaping aromatic frameworks: expansion of aromatic system drives metallabenzenoids to metallapentalenes

Qian Li, Jiawei Fei, Kaidong Ruan, Yuhui Hua, Dafa Chen, Ming Luo* and Haiping Xia*

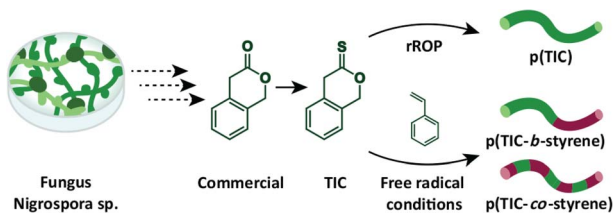
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The expedient, CAET-assisted synthesis of dual-monoubiquitinated histone H3 enables evaluation of its interaction with DNMT1

Zichen Li, Zebin Tong, Qingyue Gong, Huasong Ai,* Shuai Peng, Cong Chen, Guo-Chao Chu and Jia-Bin Li*

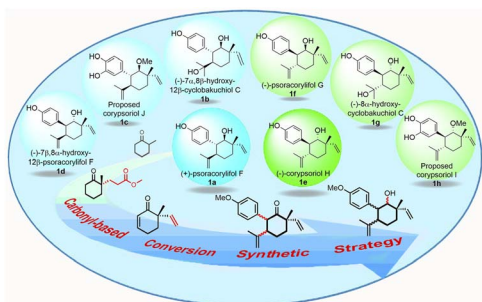
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Radical ring-opening polymerization of sustainably-derived thionoisochromanone

Emily A. Prebhalo, Anna M. Luke, Yernaidu Reddi, Christopher J. LaSalle, Vijay M. Shah, Christopher J. Cramer and Theresa M. Reineke*

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Enantioselective total syntheses of six natural and two proposed meroterpenoids from *Psoralea corylifolia*

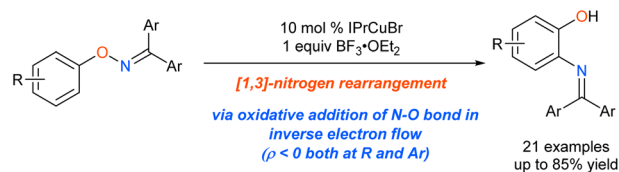
Xiao-Wei Chen, Zi-Chao Hou, Chi Chen, Ling-Hui Zhang, Meng-En Chen and Fu-Min Zhang*



5705

Copper-catalyzed [1,3]-nitrogen rearrangement of O-aryl ketoximes via oxidative addition of N–O bond in inverse electron flow

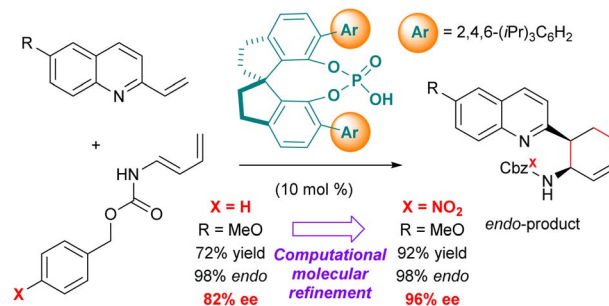
Mao Suzuki, Masahiro Terada and Itaru Nakamura*



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Computational molecular refinement to enhance enantioselectivity by reinforcing hydrogen bonding interactions in major reaction pathway

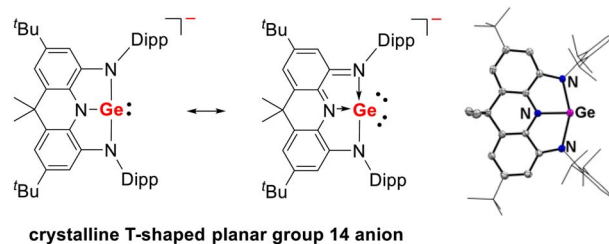
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A crystalline T-shaped planar group 14 anion

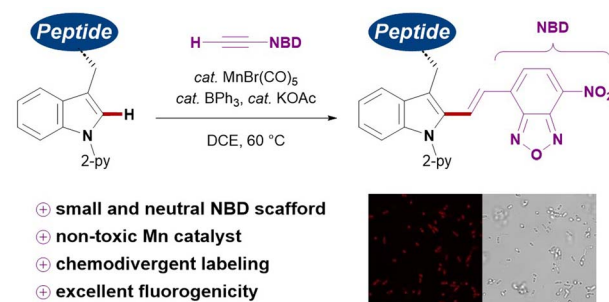
Xiaona Liu, Yuyang Dai, Manling Bao, Wenjuan Wang, Qianli Li, Chunmeng Liu, Xinping Wang* and Yuanting Su*



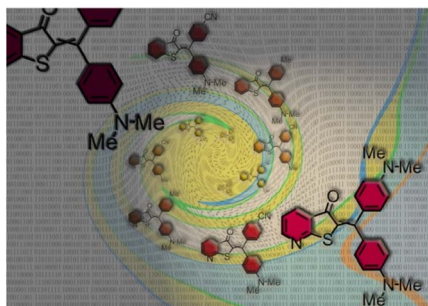
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Late-stage peptide labeling with near-infrared fluorogenic nitrobenzodiazoles by manganese-catalyzed C–H activation

Tsuyoshi Oyama, Lorena Mendive-Tapia, Verity Cowell, Adelina Kopp, Marc Vendrell* and Lutz Ackermann*



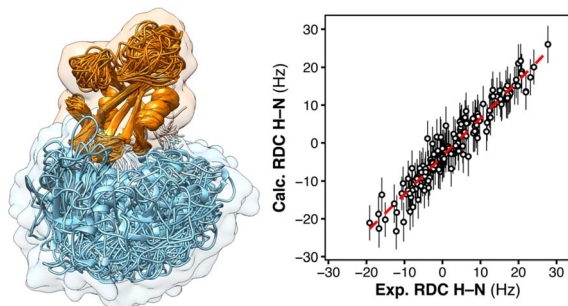
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A cross-conjugation approach for high-performance diaryl-hemithioindigo photoswitches

Max Zitzmann, Frank Hampel and Henry Dube*

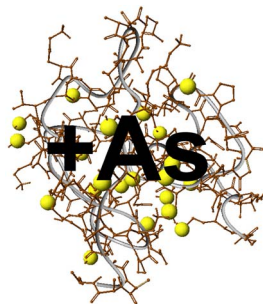
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Experiment-guided molecular simulations define a heterogeneous structural ensemble for the *PTPN11* tandem SH2 domains

Michelangelo Marasco, John Kirkpatrick, Teresa Carlomagno, Jochen S. Hub and Massimiliano Anselmi*

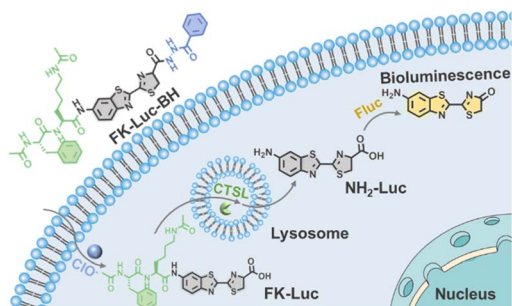
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Arsenic binding to human metallothionein-3

Amelia T. Yuan and Martin J. Stillman*

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An AND-gate bioluminescent probe for precise tumor imaging

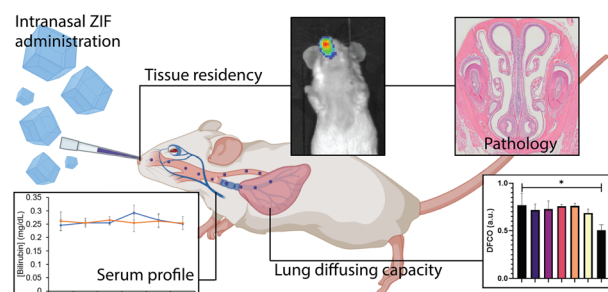
Chenchen Wang, Yajian Hong, Ling Dong, Hu Cheng, Duo Jin, Ronghua Zhao, Zian Yu and Yue Yuan*



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***In vivo* biocompatibility of ZIF-8 for slow release via intranasal administration**

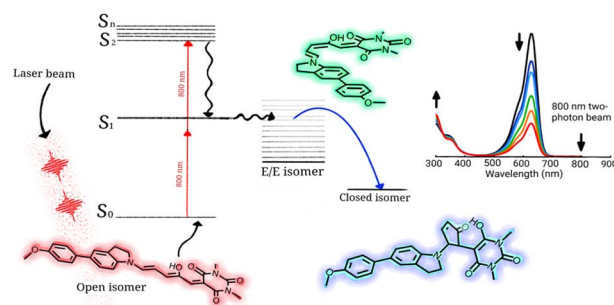
Sneha Kumari,* Thomas S. Howlett, Ryanne N. Ehrman, Shailendra Koirala, Orikeda Trashi, Ikeda Trashi, Yalini H. Wijesundara and Jeremiah J. Gassensmith*



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Two-photon isomerization properties of donor-acceptor Stenhouse adducts

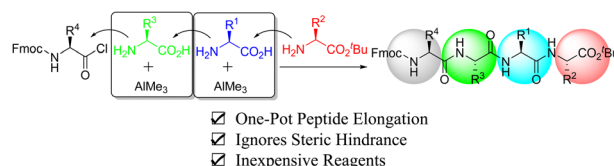
Francisco A. Reza-González, Emmanuel Villatoro, Mariana M. Reza, Jesús Jara-Cortés, Héctor García-Ortega, Edgard F. Blanco-Acuña, José G. López-Cortés, Nuria Esturau-Escofet, Alan Aguirre-Soto and Jorge Peon*



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Trimethylaluminum-mediated one-pot peptide elongation

Tomohiro Hattori* and Hisashi Yamamoto*



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Quantum chain amplification in nanocrystalline Dewar benzenes by intramolecular sensitization

Edris Rivera, Indrajit Paul, Javier Fajardo, Jr and Miguel A. Garcia-Garibay*

