

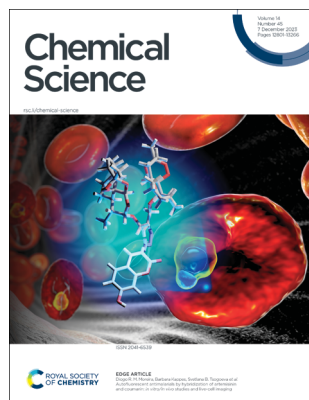
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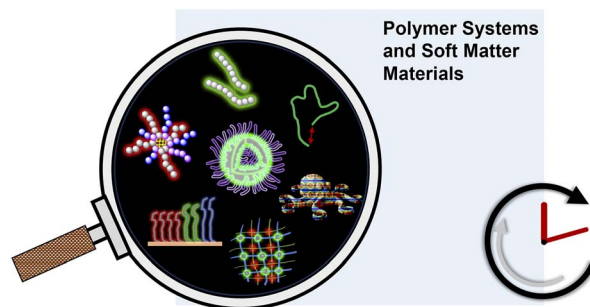
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Fluorescence-readout as a powerful macromolecular characterisation tool

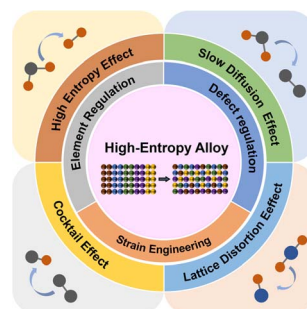
Xingyu Wu and Christopher Barner-Kowollik*



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Optimization strategies of high-entropy alloys for electrocatalytic applications

Liyuan Xiao, Zhenlu Wang* and Jingqi Guan*



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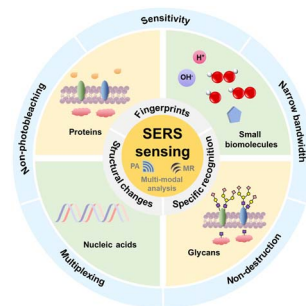


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Surface-enhanced Raman scattering sensing for detection and mapping of key cellular biomarkers

Yuanjiao Yang, Shan Wu, Yunlong Chen*
and Huangxian Ju*

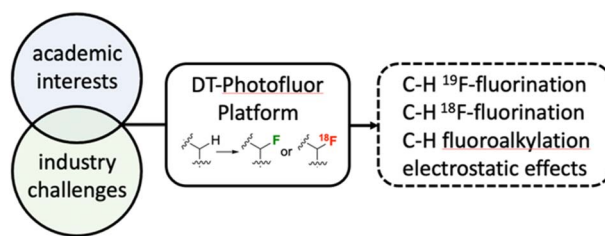


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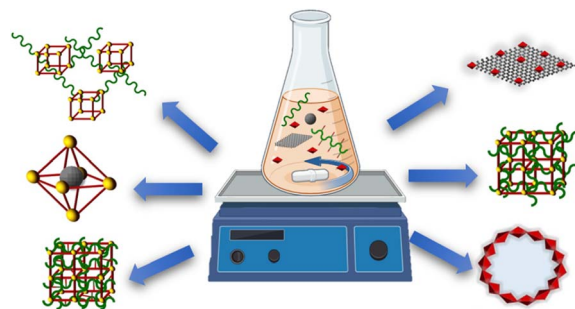
Zheliang Yuan* and Robert Britton*



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Interfacing metal organic frameworks with polymers or carbon-based materials: from simple to hierarchical porous and nanostructured composites

Khaled Dassouki, Sanchari Dasgupta, Eddy Dumas
and Nathalie Steunou*



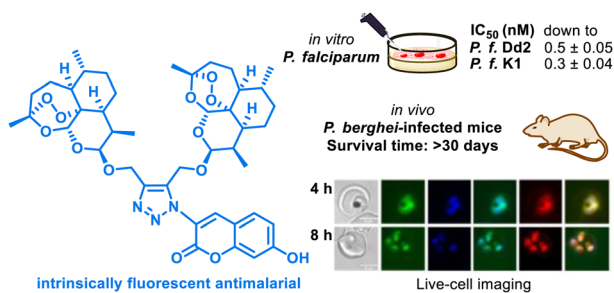
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Sustainable formulation polymers for home, beauty and personal care: challenges and opportunities

Christina A. R. Picken, Orla Buensoz, Paul D. Price,
Christopher Fidge, Laurie Points and Michael P. Shaver*



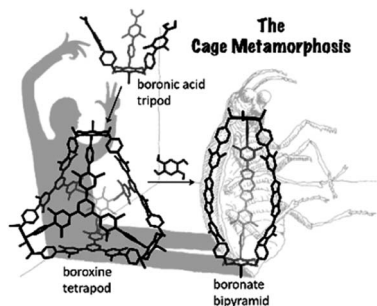
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Autofluorescent antimalarials by hybridization of artemisinin and coumarin: *in vitro/in vivo* studies and live-cell imaging

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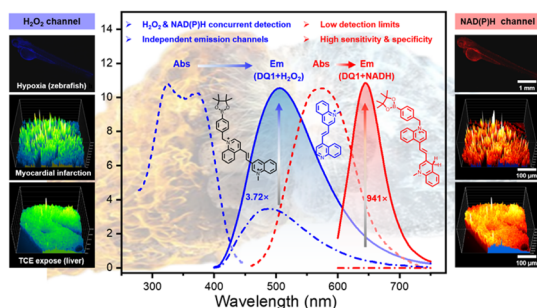
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Conformational control enables boroxine-to-boronate cage metamorphosis

Manuel Rondelli, Samuel Delgado-Hernández, Antonio H. Daranas and Tomás Martín*

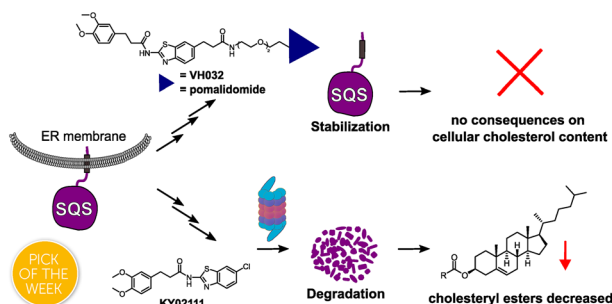
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A dual-responsive ratiometric indicator designed for *in vivo* monitoring of oxidative stress and antioxidant capacity

Majun Yang, Weida Zhu, Yilin Lv, Bin Jiang, Chenxia Jiang, Xiaobo Zhou, Guo Li, Yuling Qin, Qi Wang,* Ziwei Chen* and Li Wu*

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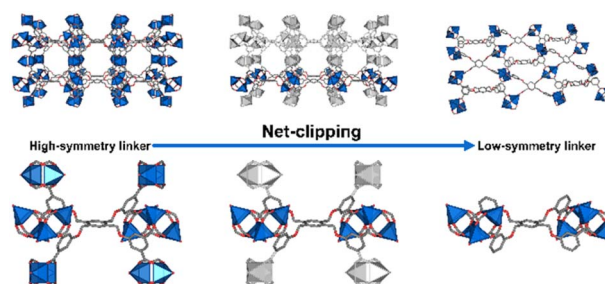
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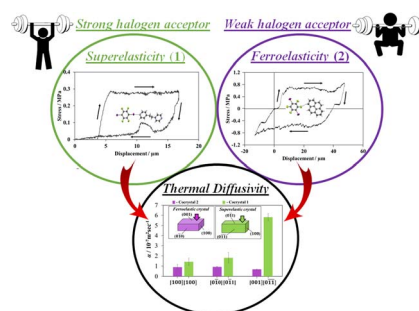
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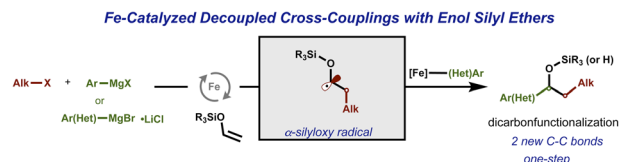
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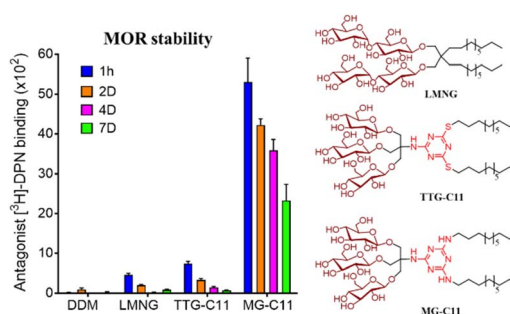
Dinabandhu Sar, Shuai Yin, Jacob Grygus, Ángel Rentería-Gómez, Melanie Garcia and Osvaldo Gutierrez*



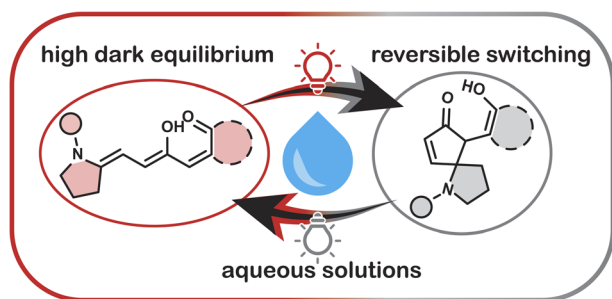
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Lubna Ghani, Seonghoon Kim, Muhammad Ehsan, Baoliang Lan, Ida H. Poulsen, Chandra Dev, Satoshi Katsube, Bernadette Byrne, Lan Guan, Claus J. Loland, Xiangyu Liu,* Wonpil Im* and Pil Seok Chae*



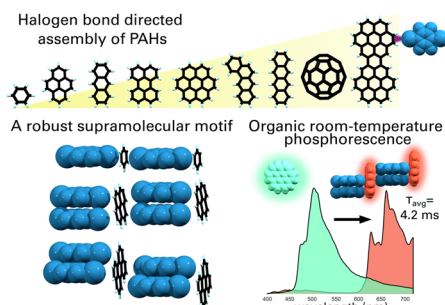
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Tethered together: DASA design towards aqueous compatibility

Julie A. Peterson, Natalia M. Neris and Javier Read de Alaniz*

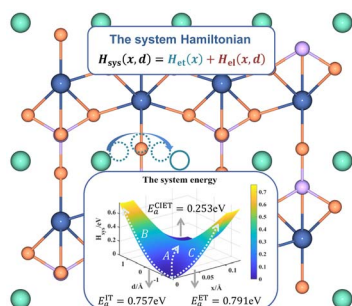
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Halogen bonding with carbon: directional assembly of non-derivatised aromatic carbon systems into robust supramolecular ladder architectures

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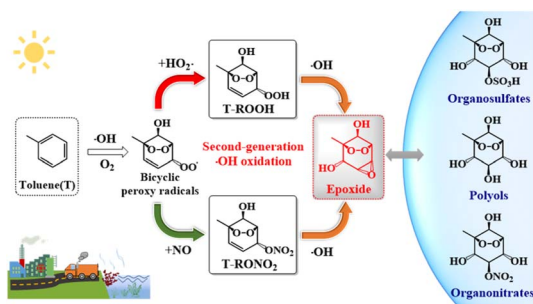
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The decisive role of electrostatic interactions in transport mode and phase segregation of lithium ions in LiFePO₄

Xiaoxiao Wang, Jun Huang,* Yuwen Liu and Shengli Chen*

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An overlooked oxidation mechanism of toluene: computational predictions and experimental validations

Zihao Fu, Fangfang Ma, Yuliang Liu, Chao Yan, Dandan Huang, Jingwen Chen, Jonas Elm, Yuanyuan Li, Aijun Ding, Lukas Pichelstorfer, Hong-Bin Xie,* Wei Nie,* Joseph S. Francisco* and Putian Zhou*



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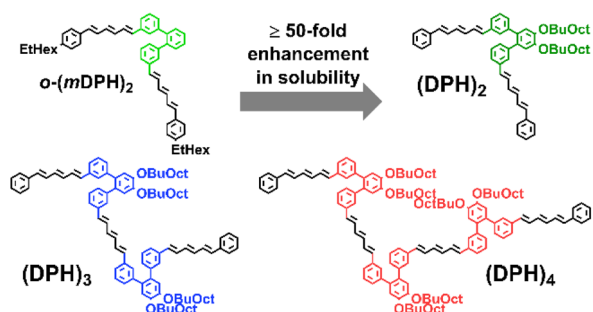
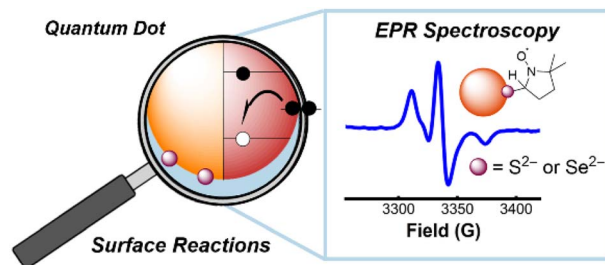
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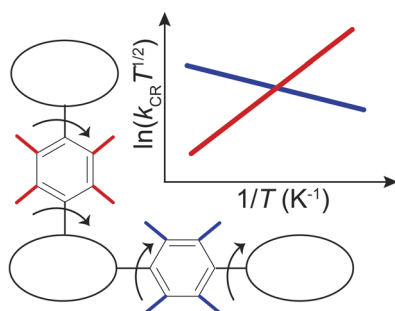
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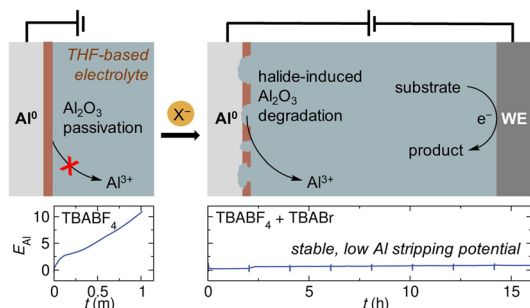
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Anti-Arrhenius behavior of electron transfer reactions in molecular dimers

Neo Lin and Tomoyasu Mani*

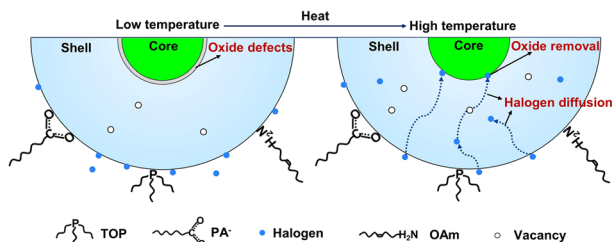
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Enabling Al sacrificial anodes in tetrahydrofuran electrolytes for reductive electrosynthesis

Wendy Zhang, Weiyang Guan, Yi Wang, Song Lin and Kimberly A. See*

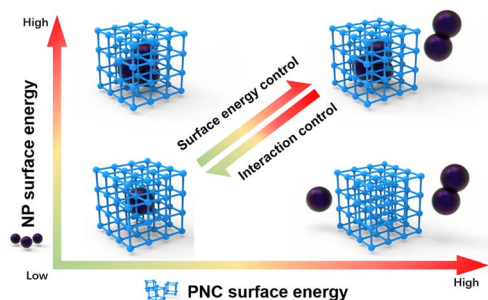
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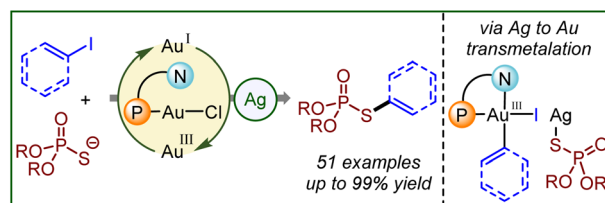
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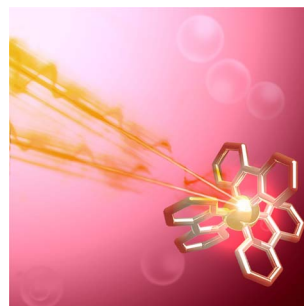
Urvashi, Sampoorna Mishra and Nitin T. Patil*



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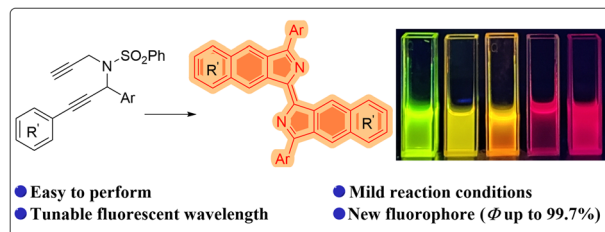
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Synthesis of a new fluorophore: wavelength-tunable bisbenzo[*f*]isoindolidenes

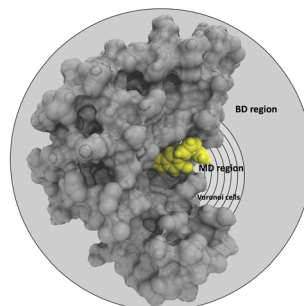
Changqing Ye, Rui Huang, Mong-Feng Chiou, Bo Wang, Daliang Li* and Hongli Bao*



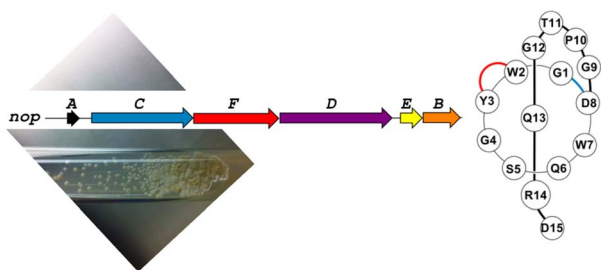
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QMrebind: incorporating quantum mechanical force field reparameterization at the ligand binding site for improved drug-target kinetics through milestone simulations

Anupam Anand Ojha, Lane William Votapka and Rommie Elizabeth Amaro*



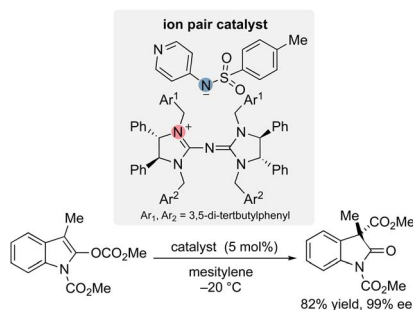
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Bioinformatics-guided discovery of biaryl-linked lasso peptides

Hamada Saad,* Thomas Majer, Keshab Bhattarai, Sarah Lampe, Dinh T. Nguyen, Markus Kramer, Jan Straetener, Heike Brötz-Oesterheld, Douglas A. Mitchell and Harald Gross*

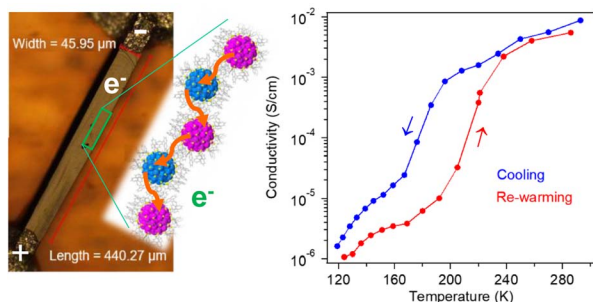
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A chiral pentanidium and pyridinyl-sulphonamide ion pair as an enantioselective organocatalyst for Steglich rearrangement

Ziqi Yang, Chaoran Xu, Xianxian Zhou, Choon Boon Cheong,* Choon Wee Kee* and Choon-Hong Tan*

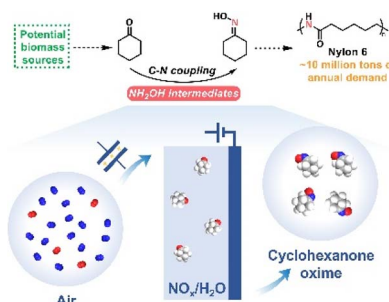
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Electron transport through supercrystals of atomically precise gold nanoclusters: a thermal bi-stability effect

Tatsuya Higaki, Jake C. Russell, Daniel W. Paley, Xavier Roy* and Rongchao Jin*

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Integration of plasma and electrocatalysis to synthesize cyclohexanone oxime under ambient conditions using air as a nitrogen source

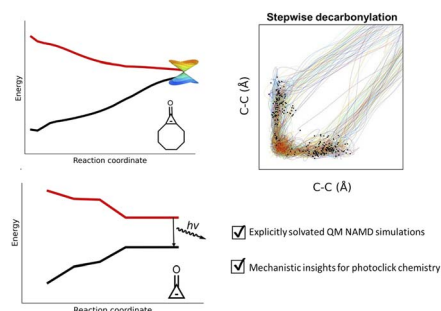
Shunhan Jia, Xingxing Tan, Limin Wu, Xiaodong Ma, Libing Zhang, Jiaqi Feng, Liang Xu, Xinning Song, Qinggong Zhu, Xinchun Kang, Xiaofu Sun* and Buxing Han*



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Multiconfigurational photodynamics simulations reveal the mechanism of photodecarbonylations of cyclopropenones in explicit aqueous environments

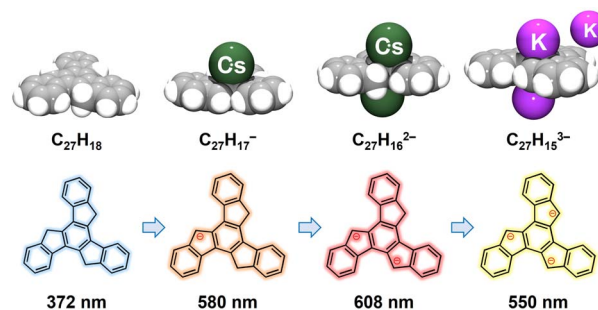
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13219

Stepwise deprotonation of truxene: structures, metal complexation, and charge-dependent optical properties

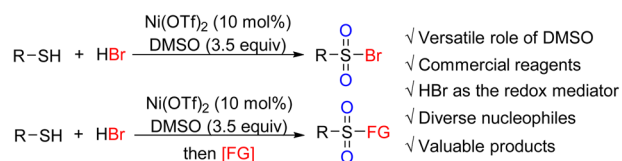
Yumeng Guo, Herdya S. Torchon, Yikun Zhu, Zheng Wei, Zhenyi Zhang, Haixiang Han,* Marina A. Petrukhina* and Zheng Zhou*



13228

An efficient and mild oxidative approach from thiols to sulfonyl derivatives with DMSO/HBr

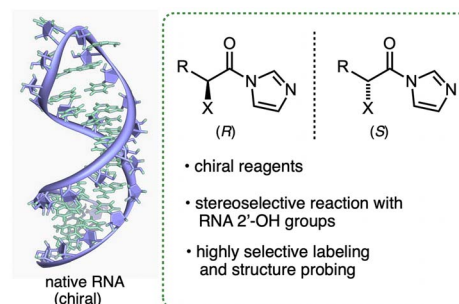
Hongye Wang, Zhaoting Li, Rongheng Dai, Ning Jiao and Song Song*



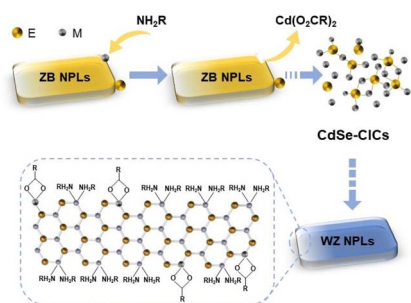
13235

Stereoselective RNA reaction with chiral 2'-OH acylating agents

Ryuta Shioi, Lu Xiao, Sayantan Chatterjee and Eric T. Kool*



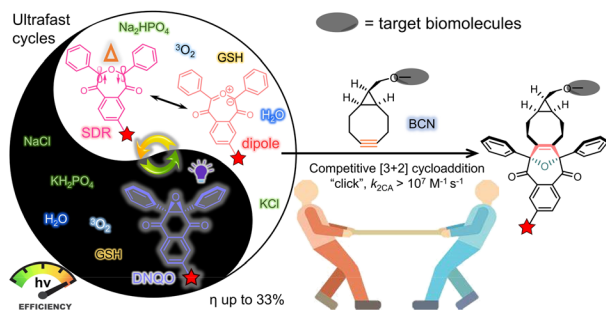
13244



Covalent inorganic complexes enabled zinc blende to wurtzite phase changes in CdSe nanoplatelets

Xinke Kong, Lin Ru, Junjun Ge, Yalei Deng, Pan-ke Zhang and Yuanyuan Wang*

13254



Photoswitchable and long-lived seven-membered cyclic singlet diradicals for the bioorthogonal photoclick reaction

Fuqiang Hu, Cefei Zhang, Zhihao Liu, Xinyu Xie, Xiaohu Zhao, Yanju Luo, Jieli Fu, Baolin Li, Changwei Hu, Zhishan Su* and Zhipeng Yu*

