

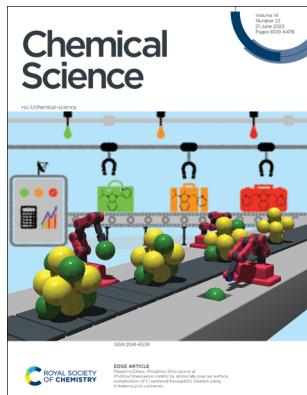
Chemical Science

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See Masahiro Ehara, Mitsuhiro Shionoya et al., pp. 6207–6215.
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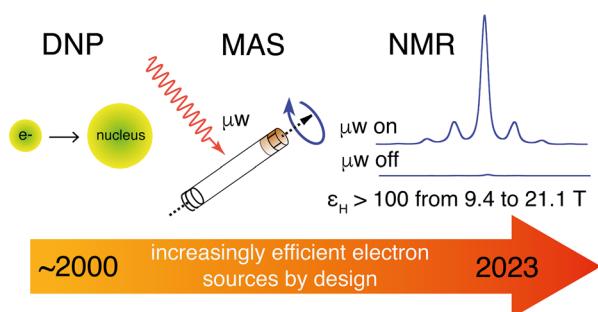
See Subhabrata Sen et al., pp. 6216–6225.
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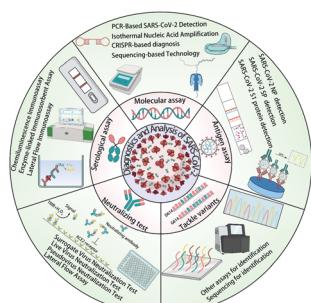
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Tao Dong, Mingyang Wang, Junchong Liu, Pengxin Ma, Shuang Pang, Wanjian Liu and Aihua Liu*



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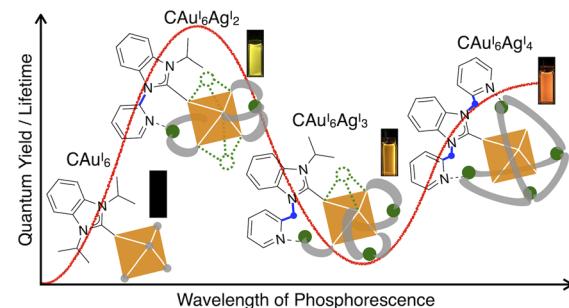
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Photoluminescence control by atomically precise surface metallization of C-centered hexagold(i) clusters using N-heterocyclic carbenes

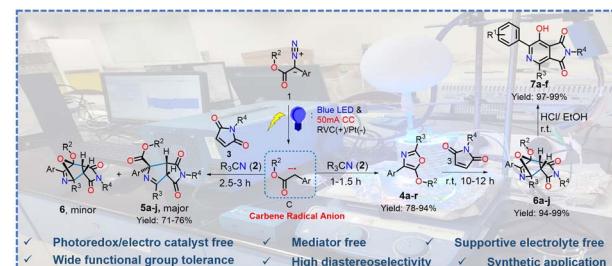
Zhen Lei, Pei Zhao, Xiao-Li Pei, Hitoshi Ube, Masahiro Ehara* and Mitsuhiro Shionoya*



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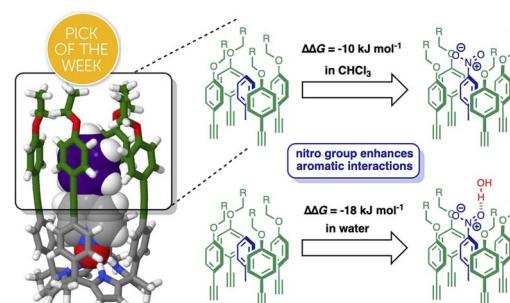
Debajit Maiti, Argha Saha, Srimanta Guin, Debabrata Maiti and Subhabrata Sen*



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Substituent effects on aromatic interactions in water

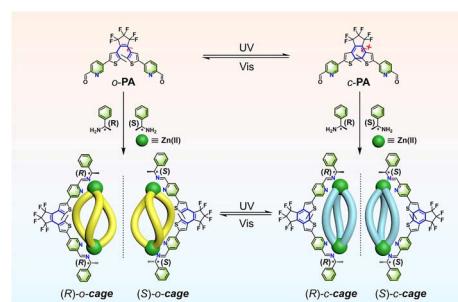
Gloria Tobajas-Curiel, Qingqing Sun, Jeremy K. M. Sanders, Pablo Ballester* and Christopher A. Hunter*



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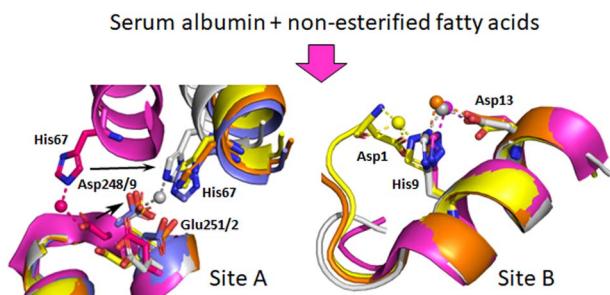
Light-regulating chirality of metallacages featuring dithienylethene switches

Shaomeng Guo, Mengqi Li, Honglong Hu, Ting Xu, Hancheng Xi and Wei-Hong Zhu*



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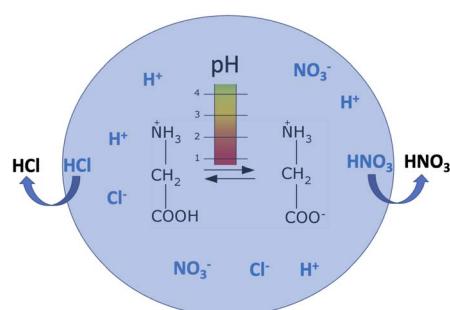
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Structural and biochemical characterisation of Co^{2+} -binding sites on serum albumins and their interplay with fatty acids

Dongmei Wu, Michal Gucwa, Mateusz P. Czub, David R. Cooper, Ivan G. Shabalin, Remi Fritzen, Swati Arya, Ulrich Schwarz-Linek, Claudia A. Blindauer, Wladek Minor* and Alan J. Stewart*

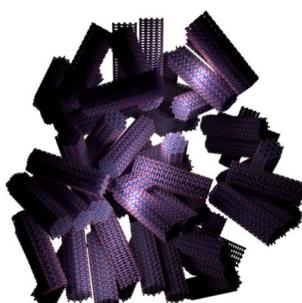
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Direct quantification of changes in pH within single levitated microdroplets and the kinetics of nitrate and chloride depletion

Kyle J. Angle and Vicki H. Grassian*

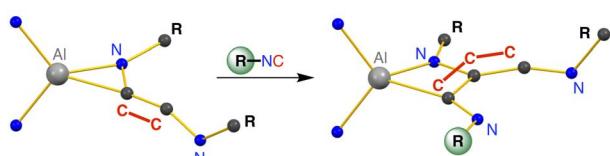
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On the non-bonding valence band and the electronic properties of poly(triazine imide), a graphitic carbon nitride

David Burmeister,* Alberto Eljarrat, Michele Guerrini, Eva Röck, Julian Plaickner, Christoph T. Koch, Natalie Banerji, Caterina Cocchi, Emil J. W. List-Kratochvil and Michael J. Bojdys*

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Controlled reductive C-C coupling of isocyanides promoted by an aluminyl anion

Matthew J. Evans, Mathew D. Anker,* Claire L. McMullin* and Martyn P. Coles*

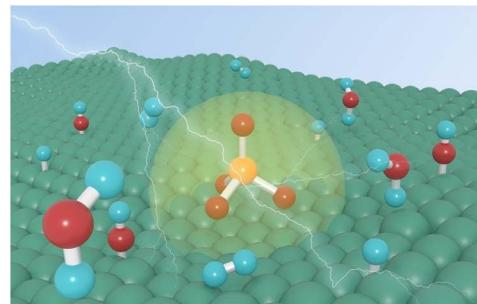


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Promoting water formation in sulphate-functionalized Ru for efficient hydrogen oxidation reaction under alkaline electrolytes

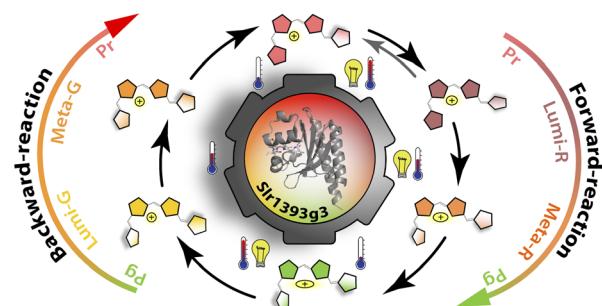
Chaoyi Yang, Yunbo Li, Jianchao Yue, Hengjiang Cong and Wei Luo*



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Photocycle of a cyanobacteriochrome: a charge defect on ring C impairs conjugation in chromophore

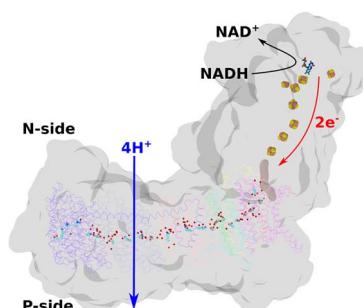
Lisa Köhler, Wolfgang Gärtner, Georgeta Salvan, Jörg Matysik,* Christian Wiebeler and Chen Song*



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Horizontal proton transfer across the antiporter-like subunits in mitochondrial respiratory complex I

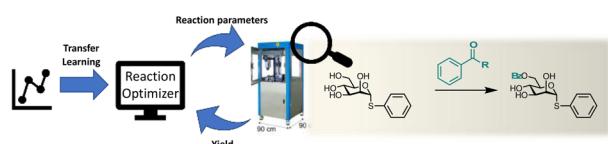
Oleksii Zdorevskyi, Amina Djurabekova, Jonathan Lasham and Vivek Sharma*



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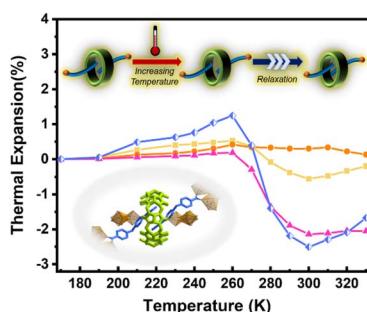
Substrate specific closed-loop optimization of carbohydrate protective group chemistry using Bayesian optimization and transfer learning

Natasha Videcrantz Faurschou, Rolf Hejle Taaning and Christian Marcus Pedersen*



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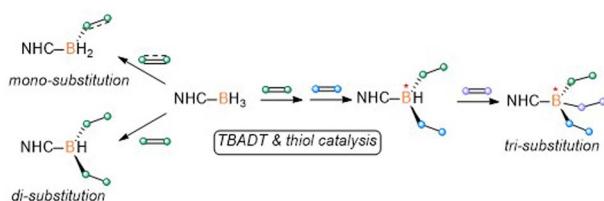
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Colossal negative thermal expansion in a cucurbit[8]uril-enabled uranyl-organic polythreading framework *via* thermally induced relaxation

Qiu-Yan Jin, Yuan-Yuan Liang, Zhi-Hui Zhang,* Liao Meng, Jun-Shan Geng, Kong-Qiu Hu, Ji-Pan Yu, Zhi-Fang Chai, Lei Mei* and Wei-Qun Shi*

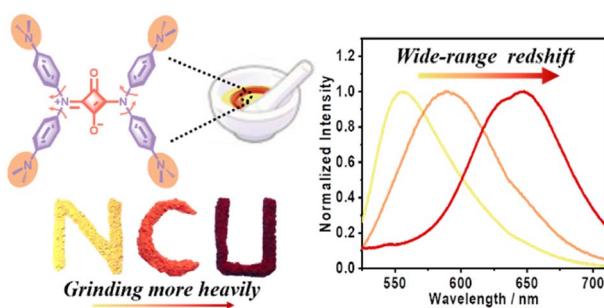
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Selective multifunctionalization of *N*-heterocyclic carbene boranes *via* the intermediacy of boron-centered radicals

Feng-Xing Li, Xinxmou Wang, Jiaxin Lin, Xiangyu Lou, Jing Ouyang, Guanwen Hu and Yangjian Quan*

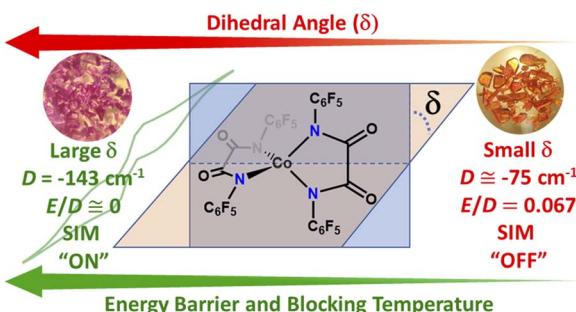
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Precise peripheral design enables propeller-like squaraine dye with highly sensitive and wide-range piezochromism

Weihan Guo, Mingda Wang, Leilei Si, Yigang Wang, Guomin Xia* and Hongming Wang

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Air-stable four-coordinate cobalt(II) single-ion magnets: experimental and *ab initio* ligand field analyses of correlations between dihedral angles and magnetic anisotropy

Sandeep K. Gupta, Shashank V. Rao, Serhiy Demeshko, Sebastian Dechert, Eckhard Bill, Mihail Atanasov,* Frank Neese* and Franc Meyer*

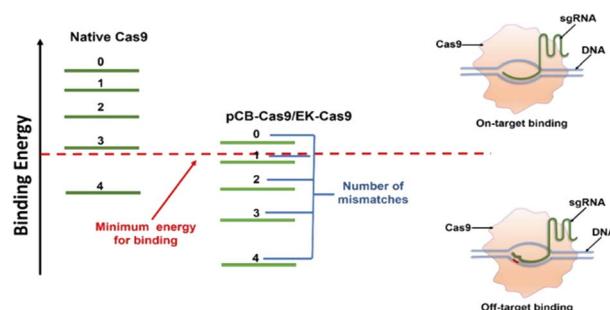


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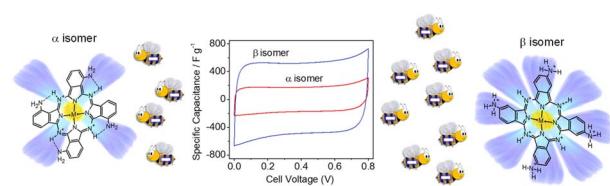
Yanjiao Han, Zhefan Yuan, Sijin Luo Zhong, Haoxian Xu and Shaoyi Jiang*



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Unprecedented energy storage in metal–organic complexes via constitutional isomerism

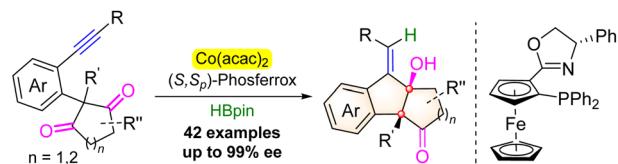
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Cobalt-catalyzed enantioselective desymmetrizing reductive cyclization of alkynyl cyclodiketones

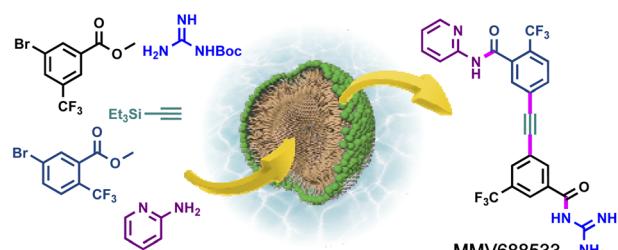
Ren-Xiao Liang,* Heng-Wei Tang, Jia-Liang Liu, Jian-Feng Xu, Ling-Jia Chen and Yi-Xia Jia*



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A sustainable, efficient, and potentially cost-effective approach to the antimalarial drug candidate MMV688533

Rahul D. Kavthe, Karthik S. Iyer, Juan C. Caravez and Bruce H. Lipshutz*

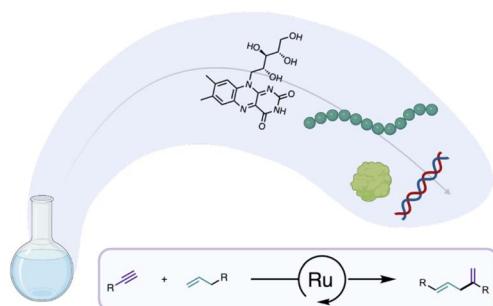


- ppm Pd catalyst, green reaction media
- 67% overall yield
- greatly reduced PMI and E Factor



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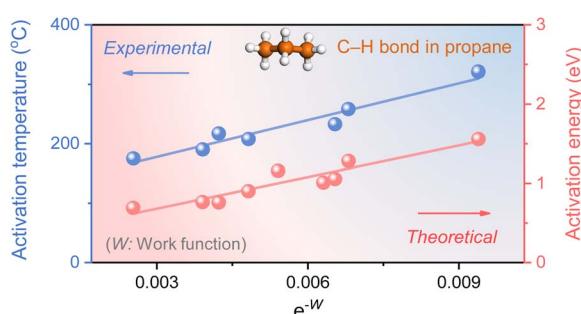
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Ruthenium-catalyzed intermolecular alkene–alkyne couplings in biologically relevant media

Alejandro Gutiérrez-González, Daniel Marcos-Atanes, Leonard G. Cool, Fernando López* and José L. Mascareñas*

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Tracking C–H bond activation for propane dehydrogenation over transition metal catalysts: work function shines

Xin Chang, Zhenpu Lu, Xianhui Wang, Zhi-Jian Zhao* and Jinlong Gong*

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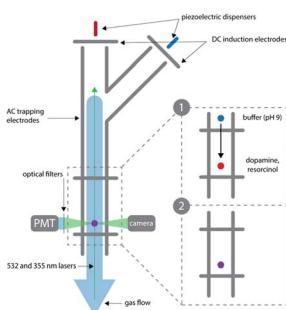


- J-coupling of anti-Kasha emitters
- molecular rigidity
- (anti)aromatic embedding

Rational design of anti-Kasha photoemission from a biazulene core embedded in an antiaromatic/aromatic hybrid

Aitor Diaz-Andres, Jose Marín-Beloqui, Junting Wang, Junzhi Liu, Juan Casado and David Casanova*

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pH jump kinetics in colliding microdroplets: accelerated synthesis of azamontardine from dopamine and resorcinol

Emily K. Brown, Grazia Rovelli and Kevin R. Wilson*

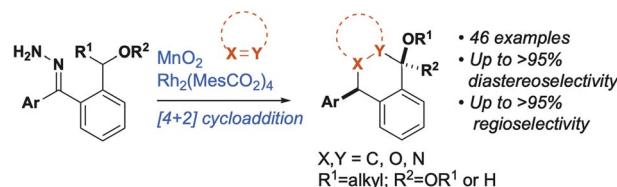


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Catalytic generation of *ortho*-quinone dimethides via donor/donor rhodium carbenes

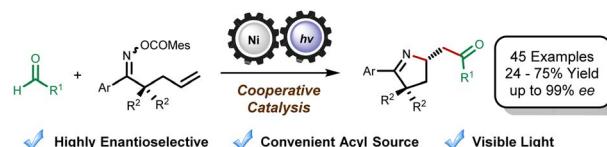
Mingchun Gao, Jose M. Ruiz, Emily Jimenez, Anna Lo, Croix J. Laconsay, James C. Fettinger, Dean J. Tantillo and Jared T. Shaw*



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Asymmetric imino-acylation of alkenes enabled by HAT-photo/nickel cocatalysis

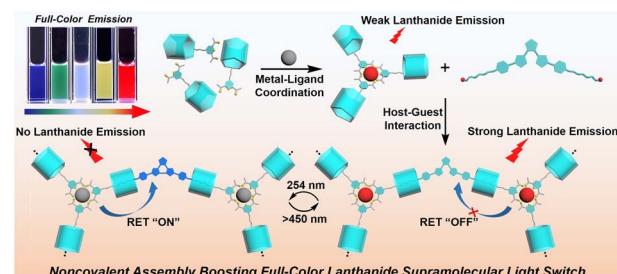
Rui Wang and Chuan Wang*



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A pillar[5]arene noncovalent assembly boosts a full-color lanthanide supramolecular light switch

Wei-Lei Zhou, Xian-Yin Dai, Wenjing Lin, Yong Chen and Yu Liu*



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Computer-assisted multistep chemoenzymatic retrosynthesis using a chemical synthesis planner

Karthik Sankaranarayanan and Klavs F. Jensen*

