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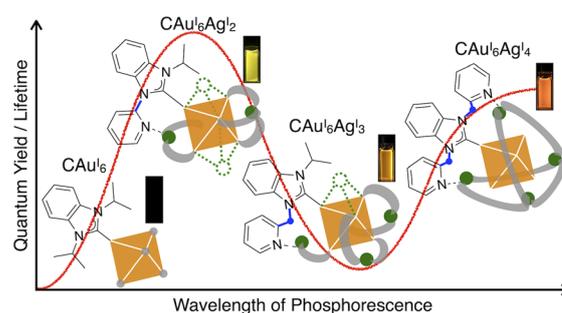
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Photoluminescence control by atomically precise surface metallization of C-centered hexagold(I) clusters using N-heterocyclic carbenes

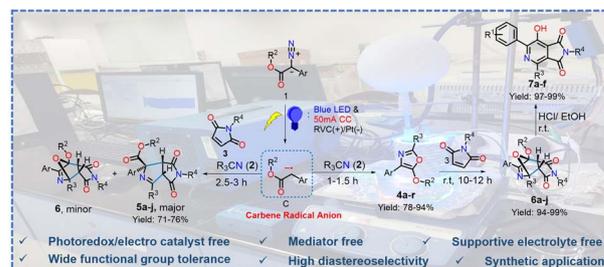
Zhen Lei, Pei Zhao, Xiao-Li Pei, Hitoshi Ube, Masahiro Ehara* and Mitsuhiro Shionoya*



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Unveiling catalyst-free electro-photochemical reactivity of aryl diazoesters and facile synthesis of oxazoles, imide-fused pyrroles and tetrahydro-epoxy-pyridines via carbene radical anions

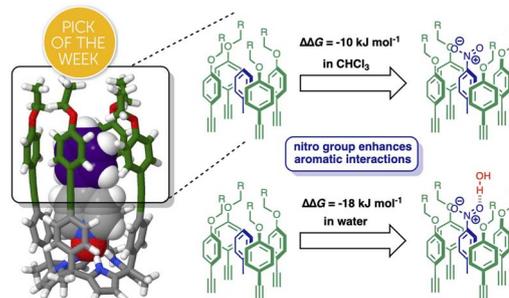
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Substituent effects on aromatic interactions in water

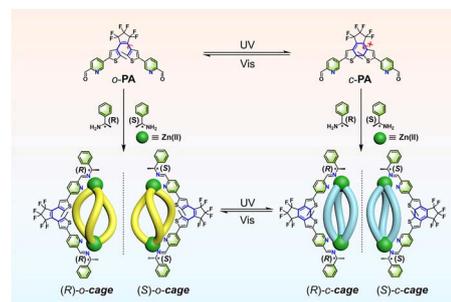
Gloria Tobajas-Curiel, Qingqing Sun, Jeremy K. M. Sanders, Pablo Ballester* and Christopher A. Hunter*



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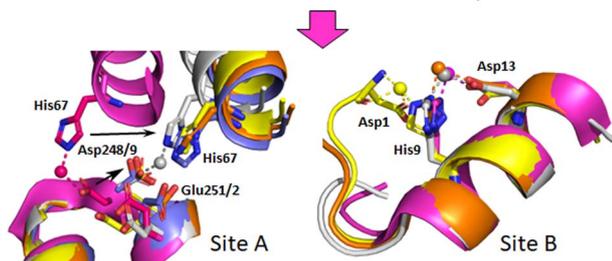
Light-regulating chirality of metallacages featuring dithienylethene switches

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



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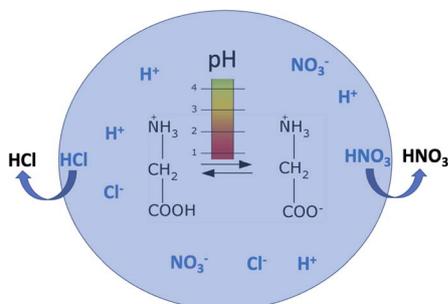
Serum albumin + non-esterified fatty acids



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*

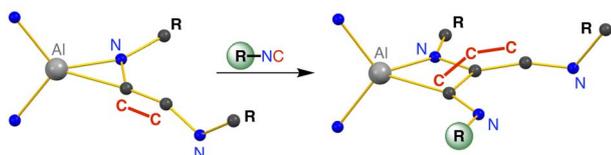
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On the non-bonding valence band and the electronic properties of poly(triazine imide), a graphitic carbon nitride

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 alumanyl anion

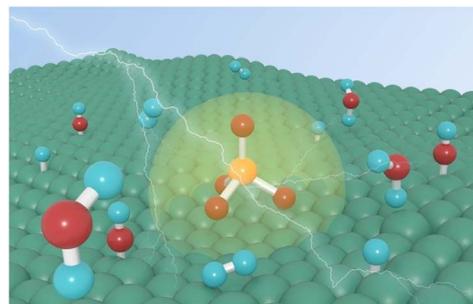
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Promoting water formation in sulphate-functionalized Ru for efficient hydrogen oxidation reaction under alkaline electrolytes

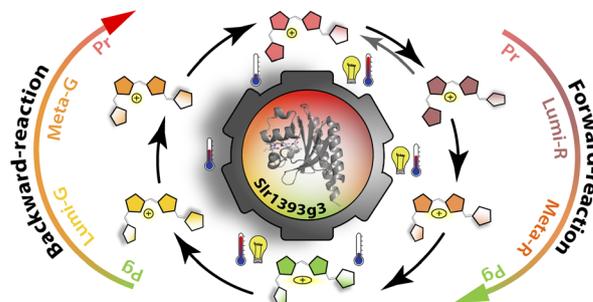
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Photocycle of a cyanobacteriochrome: a charge defect on ring C impairs conjugation in chromophore

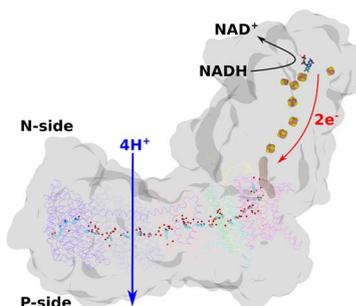
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Horizontal proton transfer across the antiporter-like subunits in mitochondrial respiratory complex I

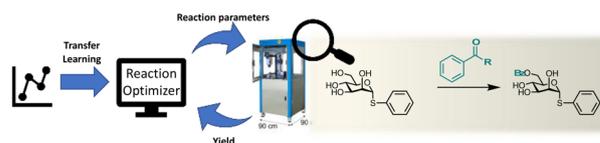
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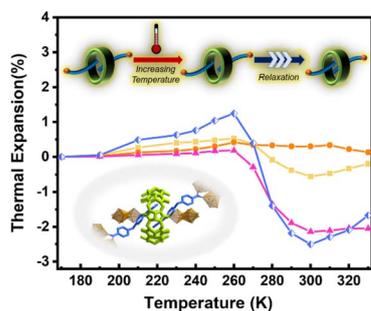
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Substrate specific closed-loop optimization of carbohydrate protective group chemistry using Bayesian optimization and transfer learning

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



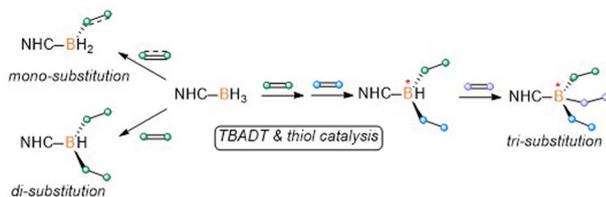
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Colossal negative thermal expansion in a cucurbit[8]uril-enabled uranyl-organic polythreading framework via thermally induced relaxation

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*

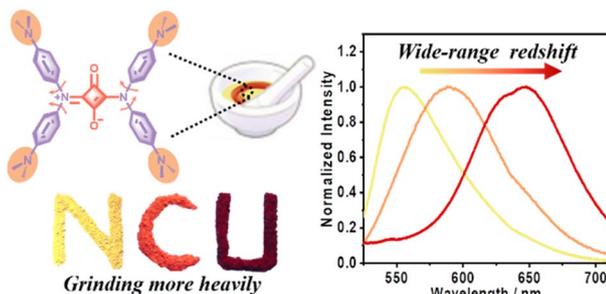
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Selective multifunctionalization of *N*-heterocyclic carbene boranes via the intermediacy of boron-centered radicals

Feng-Xing Li, Xinmou Wang, Jiabin Lin, Xiangyu Lou,
Jing Ouyang, Guanwen Hu and Yangjian Qian*

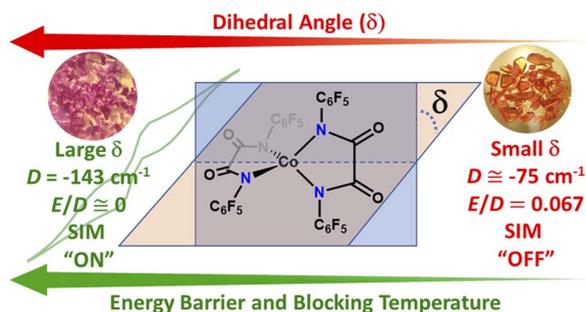
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Precise peripheral design enables propeller-like squaraine dye with highly sensitive and wide-range piezochromism

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

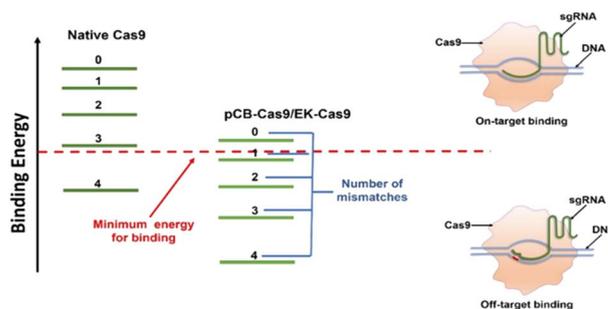
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Minimizing the off-target frequency of the CRISPR/Cas9 system via zwitterionic polymer conjugation and peptide fusion

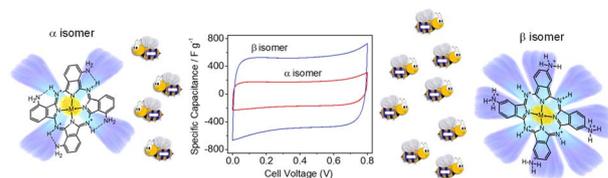
Yanjiao Han, Zhefan Yuan, Sijin Luo Zhong, Haoxian Xu and Shaoyi Jiang*



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Unprecedented energy storage in metal–organic complexes via constitutional isomerism

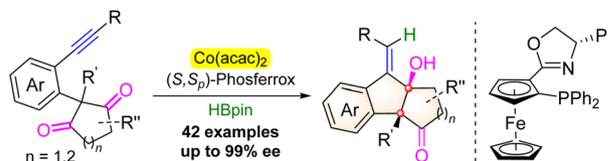
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Cobalt-catalyzed enantioselective desymmetrizing reductive cyclization of alkynyl cyclodiketones

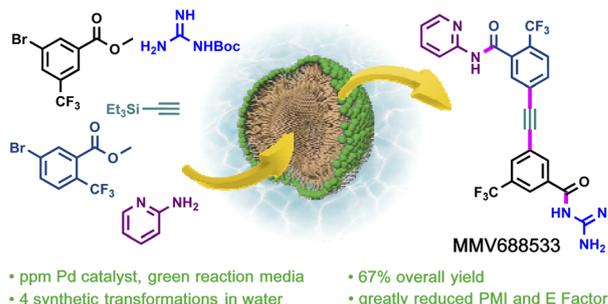
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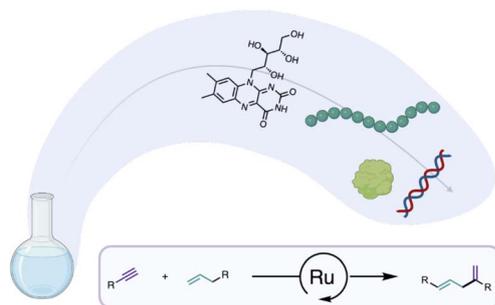
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A sustainable, efficient, and potentially cost-effective approach to the antimalarial drug candidate MMV688533

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



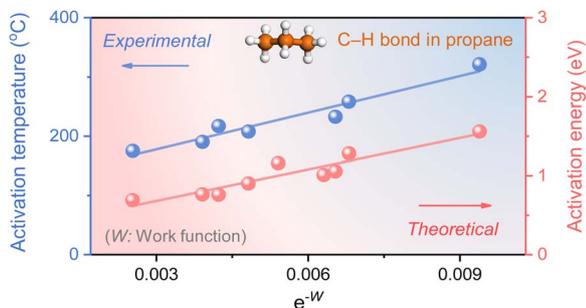
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Ruthenium-catalyzed intermolecular alkene–alkyne couplings in biologically relevant media

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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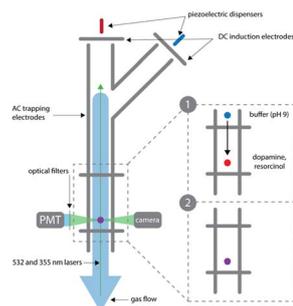


- J-coupling of anti-Kasha emitters
- molecular rigidity
- (anti)aromatic embedding

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 azamonardine from dopamine and resorcinol

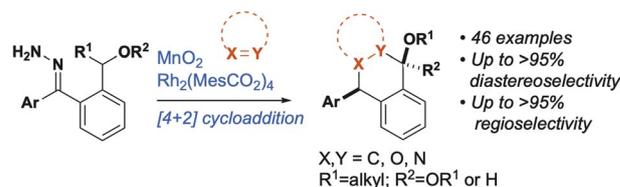
Emily K. Brown, Grazia Rovelli and Kevin R. Wilson*



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

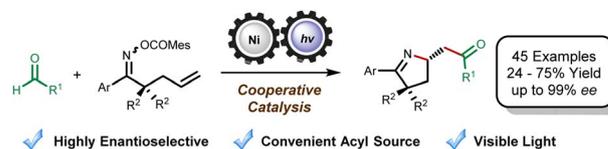
Mingchun Gao, Jose M. Ruiz, Emily Jimenez, Anna Lo, Croix J. Laconsay, James C. Fettinger, Dean J. Tantillo and Jared T. Shaw*



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

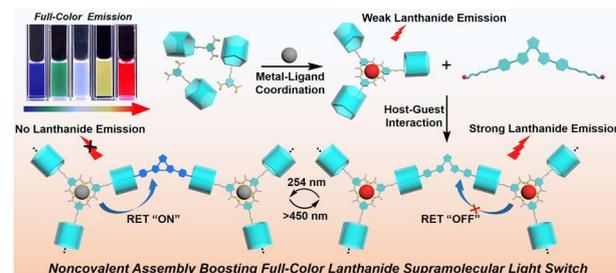
Rui Wang and Chuan Wang*



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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*

