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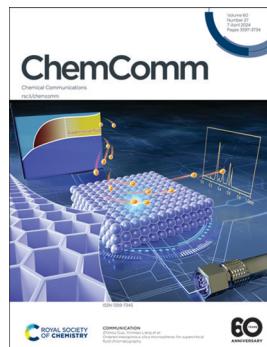
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Cover

See Kazuhiko Nakatani et al., pp. 3645–3648.
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Inside cover

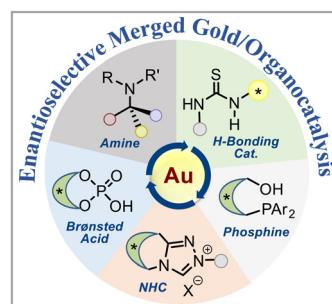
See Zhimou Guo, Xinmiao Liang et al., pp. 3649–3652.
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HIGHLIGHT

3607

Enantioselective merged gold/organocatalysis

Chayanika Pegu, Bidisha Paroi and Nitin T. Patil*

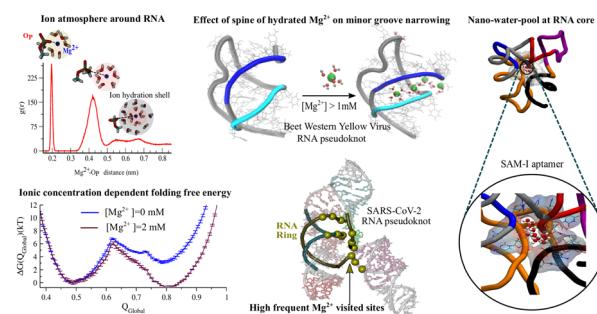


FEATURE ARTICLE

3624

Influence of ion and hydration atmospheres on RNA structure and dynamics: insights from advanced theoretical and computational methods

Raju Sarkar, Avijit Mainan and Susmita Roy*



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Elemental answers



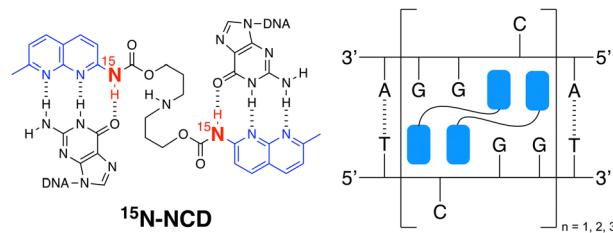
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COMMUNICATIONS

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NMR analysis of ^{15}N -labeled naphthyridine carbamate dimer (NCD) to contiguous CGG/CGG units in DNA

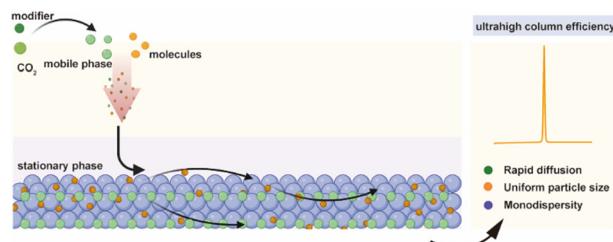
Takeshi Yamada, Shuhei Sakurabayashi, Noriaki Sugiura, Hitoshi Haneoka and Kazuhiko Nakatani*



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Ordered mesoporous silica microspheres for supercritical fluid chromatography

Chunying Song, Yi Qi, Chenyu Wang, Gaowa Jin, Shengfu Wang, Dongping Yu, Zhimou Guo* and Xinmiao Liang*



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Water-dispersible donor–acceptor–donor π -conjugated bolaamphiphiles enabling a humidity-responsive luminescence color change

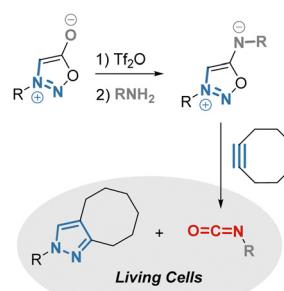
Tomoya Enjou, Shimpei Goto, Qiming Liu, Fumitaka Ishiwari, Akinori Saeki, Taro Uematsu, Yuka Ikemoto, Sora Watanabe, Go Matsuba, Kouichiro Ishibashi, Go Watanabe, Satoshi Minakata, Yoshimitsu Sagara and Youhei Takeda*



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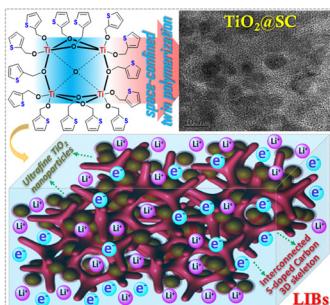
Synthesis of sydnonimines from sydrones and their use for bioorthogonal release of isocyanates in cells

Judith Baudet, Emilie Lesur, Maxime Ribéraud, Arnaud Chevalier, Timothée D'Anfray, Pierre Thuéry, Davide Audisio and Frédéric Taran*



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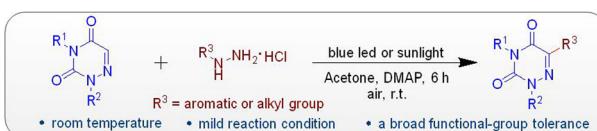
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Space-confined twin-polymerization enabling homogeneous integration of ultrafine TiO_2 nanoparticles into a sulfur-doped carbon matrix for boosting lithium storage

Haisheng Huang, Yun Lu, Shuguang Bi,* Changwang Yan and Yingkui Yang*

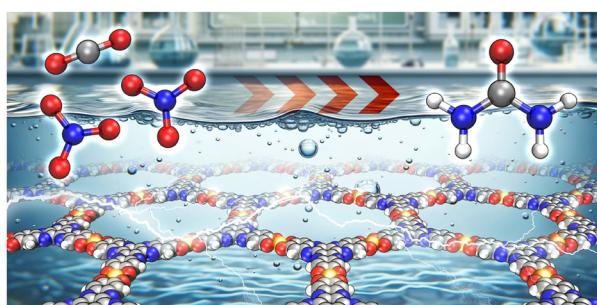
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Photoinduced arylation or alkylation of 1,2,4-triazine-3,5(2H,4H)-diones with hydrazines

Youlu Pan, Yingchen Zhu, Shuangshuang Li, Gangjian Li, Zhen Ma,* Yong Qian* and Wenhai Huang*

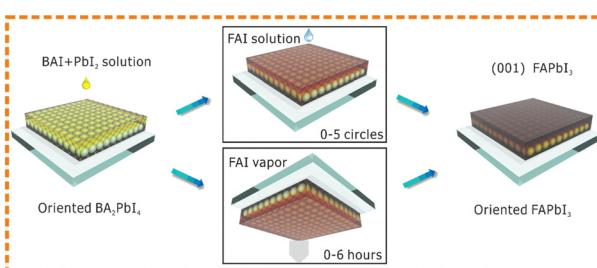
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Utilisation of carbon dioxide and nitrate for urea electrosynthesis with a Cu-based metal–organic framework

Meng-Di Zhang, Jia-Run Huang, Pei-Qin Liao* and Xiao-Ming Chen*

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Building (001) oriented FAPbI_3 films for high-performing perovskite solar cells

Yingke Ren, Hongyang Fu, Yingjie Sun, Zhaoqian Li,* Xinge Guo* and Xingtao An*

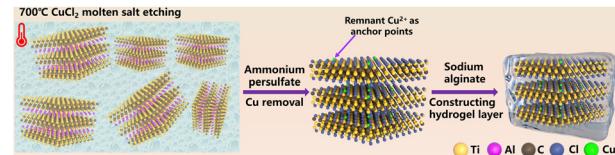


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F-free etching and ingenious construction of hydrogel layer-prepared MXene membranes for oily wastewater separation

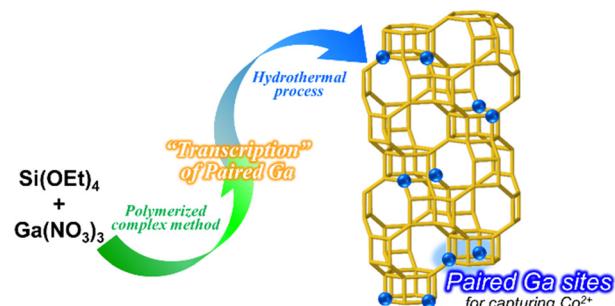
Xuan Long, Yijian Zheng, Jun Hu, Rongtong Wang, Wenjie Luo, Kai Han and Feipeng Jiao*



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Formation of paired Ga sites in CHA-type zeolite frameworks via a transcription-induced method

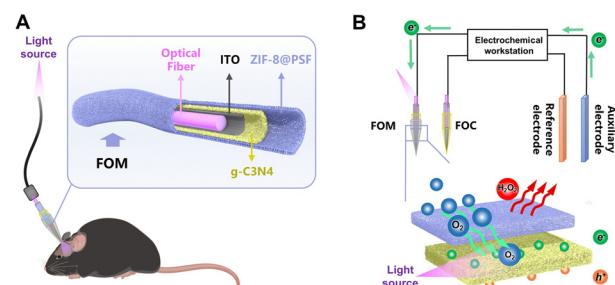
Takumi Kaneko, Mizuho Yabushita,* Ryota Osuga, Yugo Sawada, Kei Sato, Ben Liu, Yoshinao Nakagawa, Kiyotaka Nakajima and Keiichi Tomishige*



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Light-activated g-C₃N₄ photoelectrodes with a selective molecular sieve for *in vivo* quantification of oxygen levels in the living mouse brain

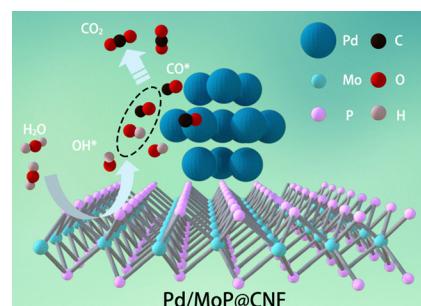
Yifan Da, Qi Sun, Limin Zhang* and Yang Tian*



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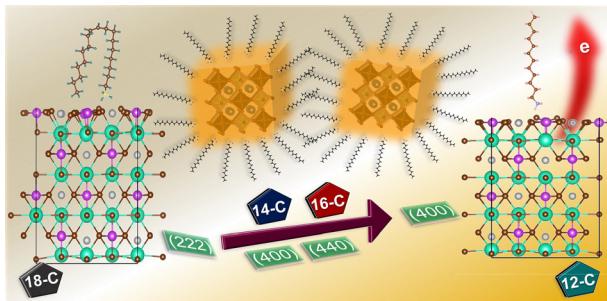
Enhanced formic acid electrolysis of Pd sites by improved OH adsorption assisted by MoP

Lice Yu, Shuli Wang, Yun Yang* and Ligang Feng*



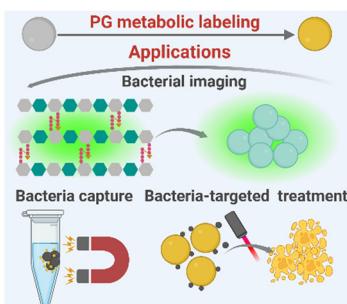
COMMUNICATIONS

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**Facet-specific ligand dynamics: scaling the descriptors of $\text{Cs}_2\text{AgBiBr}_6$ nanocrystals**

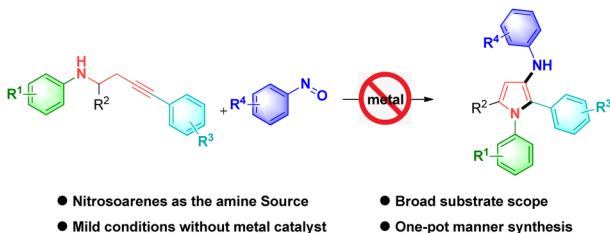
Anamika Mondal, Manuj Ahuja, Priya Johari* and Sayan Bhattacharyya*

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**Metabolic labeling-mediated visualization, capture, and inactivation of Gram-positive bacteria *via* biotin–streptavidin interactions**

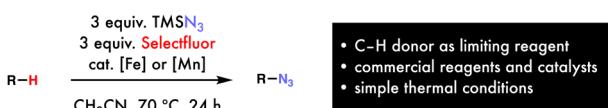
Yongfang Zheng, Mingyi Jiang, Xinyu Zhu, Yuyuan Chen, Lisha Feng and Hu Zhu*

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 **I_2 -catalyzed synthesis of 3-aminopyrrole with homopropargylic amines and nitrosoarenes**

Jiaze Qin, Shixuan Jiang, Xiaofeng Luo, Tianqiang Wang, Peihua Liu, Bingxiang Yuan and Rulong Yan*

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**Simple, catalytic $\text{C}(\text{sp}^3)\text{-H}$ azidation using the C-H donor as the limiting reagent**

James F. Hooson, Hai N. Tran, Kang-Jie Bian and Julian G. West*

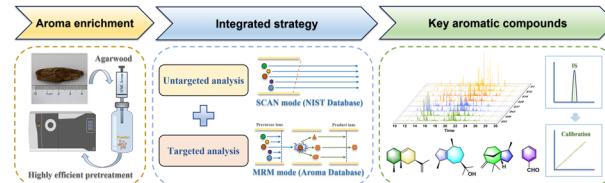


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Uncovering the secrets of agarwood aroma according to regions and grades using a comprehensive analytical strategy

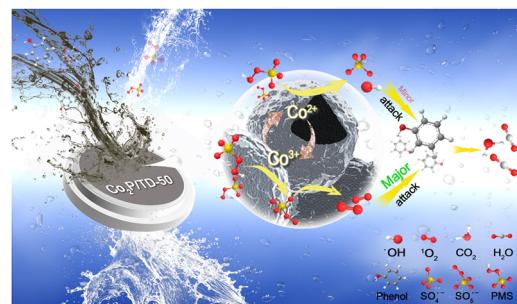
Yanqiao Xie, Chen Shen, Ge Yin, Siyu Zhang, Yilin Chen, Wenxiang Fan, Kaixian Chen, Zhengtao Wang, Linnan Li* and Li Yang*



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Ultrafast removal of organics via peroxyomonosulfate activation over Co₂P/TD hollow spheres derived from ZIF-67

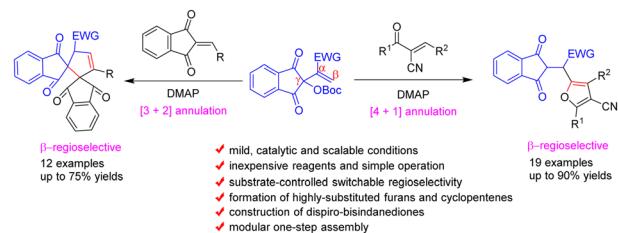
Fei Wang, Yu-Hang Li, Ya Gao, Yutong Chai, Yuwei Wei, Chong-Chen Wang,* Peng Wang, Huifen Fu and Chen Zhao



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Substrate-controlled [4+1] and [3+2] annulations of ninhydrin-derived Morita–Baylis–Hillman carbonates to access polysubstituted furans and cyclopentenes

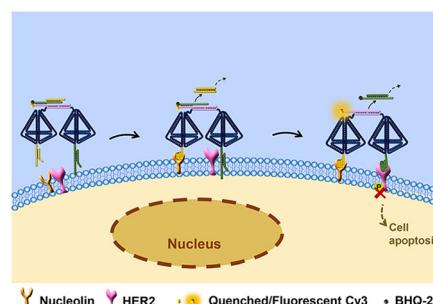
Kai-Kai Wang, Yan-Li Li, Ya-Fei Li, Wei-Wei Yao, Lan-Xin Li, Xiao-Long He* and Rongxiang Chen*



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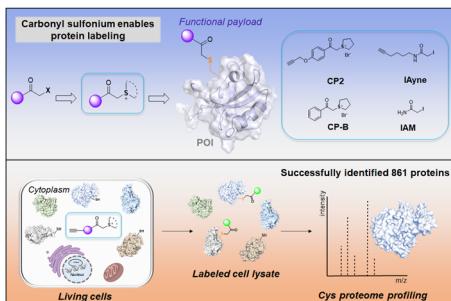
A DNA tetrahedron dimer for dual membrane protein logic recognition and interaction inhibition

Yuanmeng Zhang, Muyang Lin, Jingkang Yao and Xiaowen Xu*



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β -Carbonyl sulfonium enables cysteine-specific bioconjugation for activity-based protein profiling in live cells

Chuan Wan, Dongyan Yang, Xiaochun Guo, Tuanjie Zhang, Zhijun Ruan, Chuan Dai, Yun Xing, Feng Yin,* Rui Wang* and Zigang Li*

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Palladium-catalyzed enantioselective umpolung allylation of amido-tethered allylic carbonates with isatin-derived ketimines

Lan Wang, Mengxi Lu, Kuan Li, Sen Yang, Lei Wang and Hongchao Guo*

