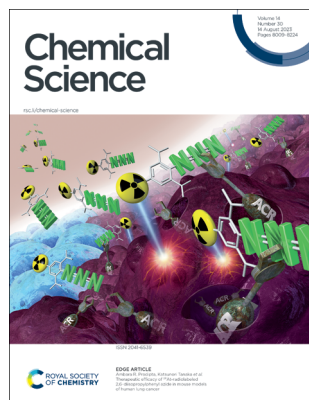
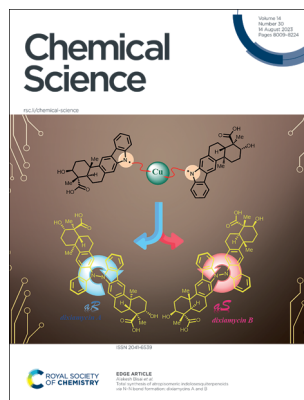


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ISSN 2041-6539 CODEN CSHCBM 14(30) 8009–8224 (2023)



**Cover**  
See Ambara R. Pradipta, Katsunori Tanaka *et al.*, pp. 8054–8060.  
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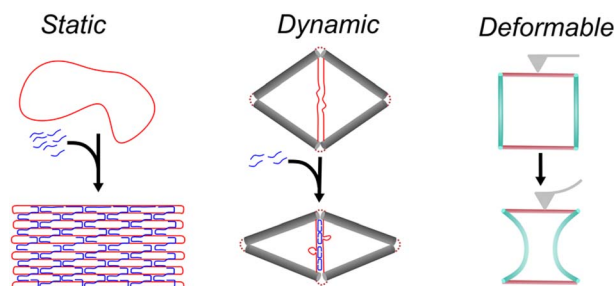
**Inside cover**  
See Alakesh Bisai *et al.*, pp. 8047–8053.  
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## REVIEW

8018

### Mechanics of dynamic and deformable DNA nanostructures

Ruixin Li, Anirudh S. Madhvacharyula, Yancheng Du, Harshith K. Adepu and Jong Hyun Choi\*

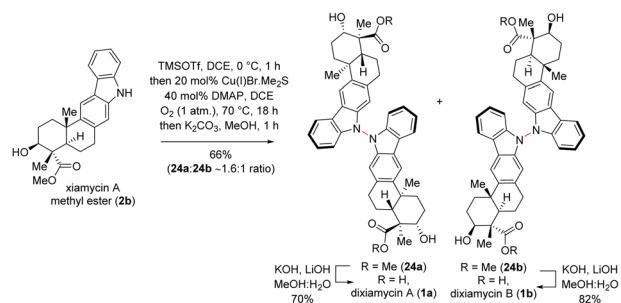


## EDGE ARTICLES

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### Total synthesis of atropisomeric indolosesquiterpenoids via N–N bond formation: dixiamycins A and B

Rhituparna Nandi, Sovan Niyogi, Sourav Kundu, Vipin R. Gavit, Mintu Munda, Ranjit Murmu and Alakesh Bisai\*



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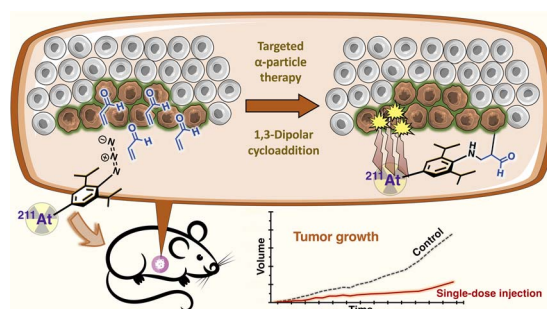
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## Therapeutic efficacy of $^{211}\text{At}$ -radiolabeled 2,6-diisopropylphenyl azide in mouse models of human lung cancer

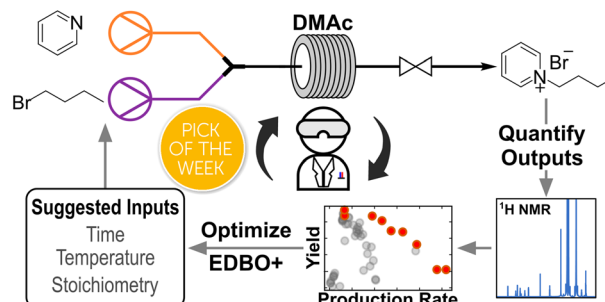
Yudai Ode, Ambara R. Pradipta,\* Peni Ahmadi, Akihiro Ishiwata, Akiko Nakamura, Yasuko Egawa, Yuri Kusakari, Kyohei Muguruma, Yang Wang, Xiaojie Yin, Nozomi Sato, Hiromitsu Haba and Katsunori Tanaka\*



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## Continuous flow synthesis of pyridinium salts accelerated by multi-objective Bayesian optimization with active learning

John H. Dunlap, Jeffrey G. Ethier, Amelia A. Putnam-Neeb, Sanjay Iyer, Shao-Xiong Lennon Luo, Haosheng Feng, Jose Antonio Garrido Torres, Abigail G. Doyle, Timothy M. Swager, Richard A. Vaia, Peter Mirau, Christopher A. Crouse and Luke A. Baldwin\*



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## 2,5-disubstituted bicyclo[2.1.1]hexanes as rigidified cyclopentane variants

Shashwati Paul, Daniel Adelfinsky, Christophe Salome, Thomas Fessard\* and M. Kevin Brown\*

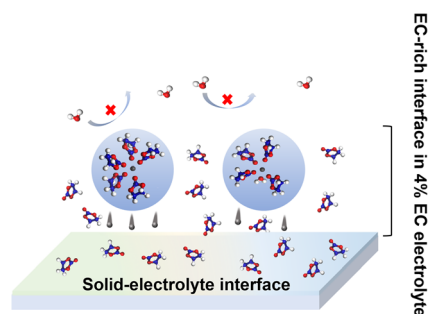


- New 2,5-Disubstituted Bicyclo[2.1.1]hexanes
- Rigidified 1,2-Disubstituted Cyclopentanes
- Synthesis by C-H functionalization and Cycloaddition

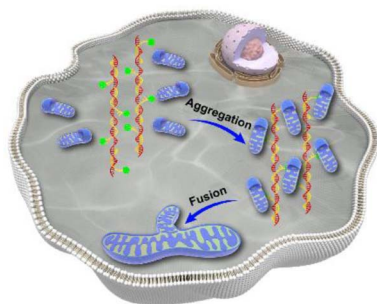
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## Interface solvation regulation stabilizing the Zn metal anode in aqueous Zn batteries

Kuo Wang, Tong Qiu, Lu Lin, Fangming Liu, Jiaqi Zhu, Xiao-Xia Liu and Xiaoqi Sun\*



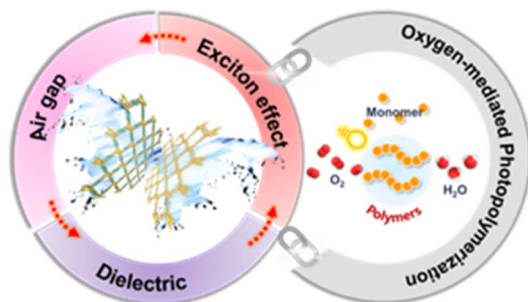
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### Controllable mitochondrial aggregation and fusion by a programmable DNA binder

Longyi Zhu, Yiting Shen, Shengyuan Deng, Ying Wan,\*  
Jun Luo, Yan Su, Mingxu You, Chunhai Fan  
and Kewei Ren\*

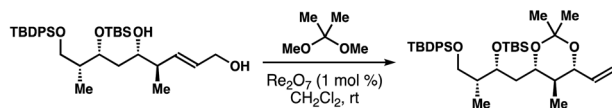
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### Influence laws of air gap structure manipulation of covalent organic frameworks on dielectric properties and exciton effects for photopolymerization

Hongjie Yang, Zhen Lu, Xiangyu Yin, Shengjin Wu  
and Linxi Hou\*

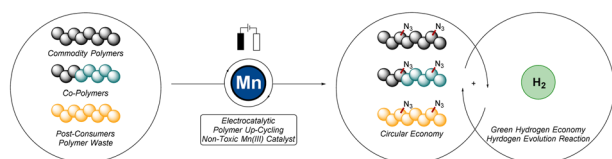
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### Stereoselective syntheses of 2-methyl-1,3-diol acetals via Re-catalyzed [1,3]-allylic alcohol transposition

Jiaming Liu and Ming Chen\*

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### Polymer up-cycling by manganese-electrocatalytic C(sp<sup>3</sup>)-H azidation without directing groups

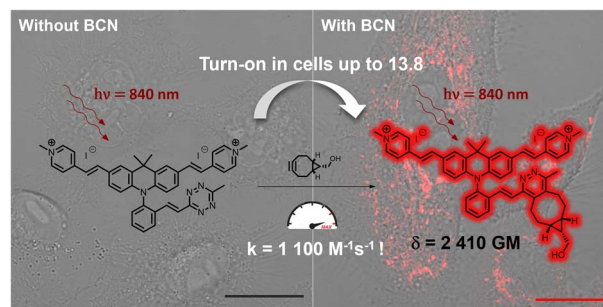
Isaac Maksso, Ramesh C. Samanta, Yifei Zhan, Kai Zhang,  
Svenja Warratz and Lutz Ackermann\*



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### Ultrabright two-photon excitable red-emissive fluorogenic probes for fast and wash-free bioorthogonal labelling in live cells

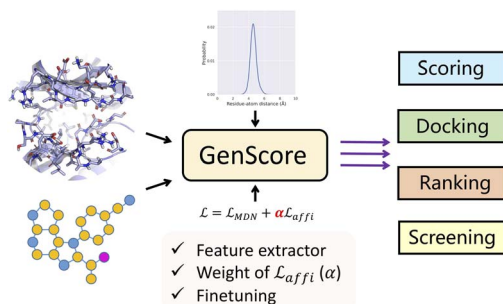
Marie Auvray,\* Delphine Naud-Martin, Gaëlle Fontaine, Frédéric Bolze, Gilles Clavier and Florence Mahuteau-Betzer\*



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### A generalized protein–ligand scoring framework with balanced scoring, docking, ranking and screening powers

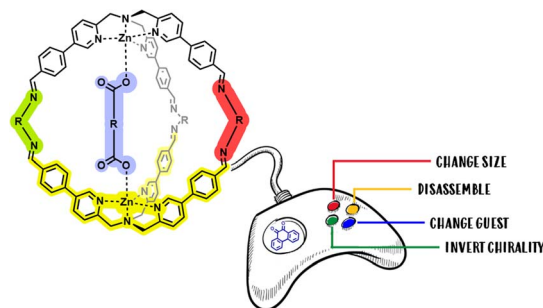
Chao Shen, Xujun Zhang, Chang-Yu Hsieh, Yafeng Deng, Dong Wang, Lei Xu, Jian Wu, Dan Li, Yu Kang,\* Tingjun Hou\* and Peichen Pan\*



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### Programmed guest confinement via hierarchical cage to cage transformations

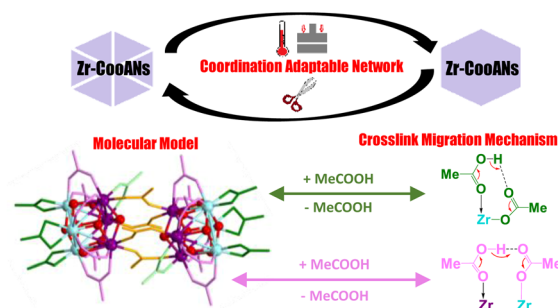
Federico Begato, Giulia Licini and Cristiano Zonta\*



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### Acetate exchange mechanism on a Zr<sub>12</sub> oxo hydroxo cluster: relevance for reshaping Zr–carboxylate coordination adaptable networks

Meenu Murali, Christian Bijani, Jean-Claude Daran, Eric Manoury and Rinaldo Poli\*

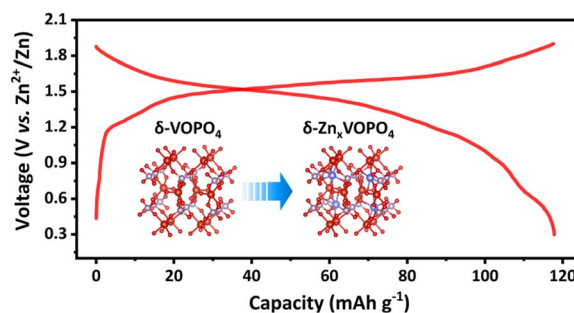




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 **$\delta$ -VOPO<sub>4</sub> as a high-voltage cathode material for aqueous zinc-ion batteries**

Dong Zhao, Xiangjun Pu,\* Shenglong Tang, Mingyue Ding,\* Yubin Zeng, Yuliang Cao and Zhongxue Chen\*



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**Zn-induced electron-rich Sn catalysts enable highly efficient CO<sub>2</sub> electroreduction to formate**

Xingxing Tan, Shunhan Jia, Xinning Song, Xiaodong Ma, Jiaqi Feng, Libing Zhang, Limin Wu, Juan Du, Aibing Chen, Qinggong Zhu, Xiaofu Sun\* and Buxing Han\*

