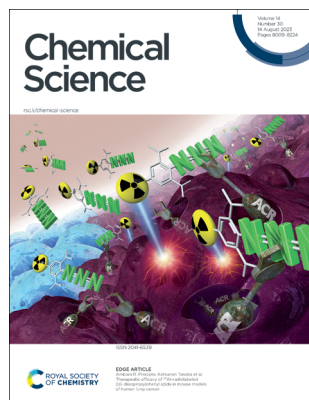
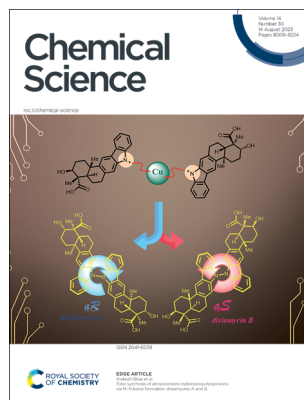


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ISSN 2041-6539 CODEN CSHCBM 14(30) 8009–8224 (2023)



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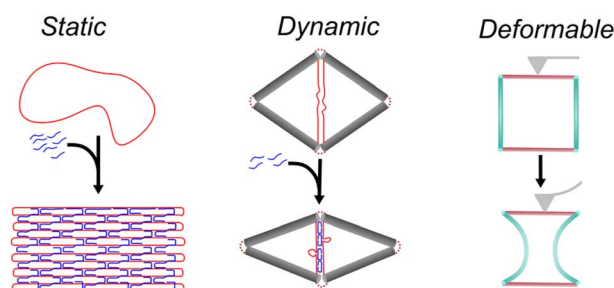
Inside cover
See Alakesh Bisai *et al.*, pp. 8047–8053.
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REVIEW

8018

Mechanics of dynamic and deformable DNA nanostructures

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

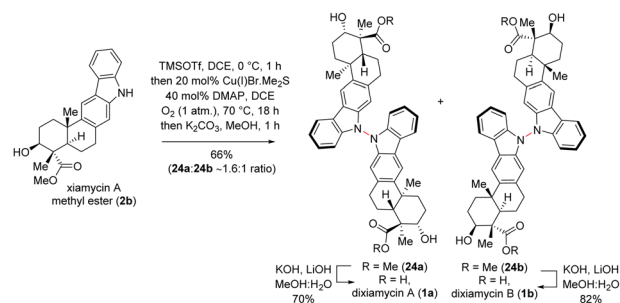


EDGE ARTICLES

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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. Gavitt, Mintu Munda, Ranjit Murmu and Alakesh Bisai*



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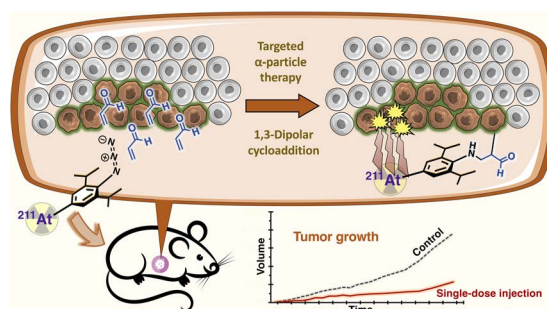
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Therapeutic efficacy of ^{211}At -radiolabeled 2,6-diisopropylphenyl azide in mouse models of human lung cancer

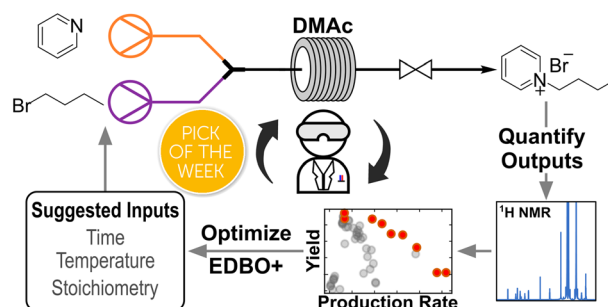
Yudai Ode, Ambara R. Pradipta,* Peni Ahmadi, Akihiro Ishiwata, Akiko Nakamura, Yasuko Egawa, Yuriko Kusakari, Kyohei Muguruma, Yang Wang, Xiaojie Yin, Nozomi Sato, Hiromitsu Haba and Katsunori Tanaka*



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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*

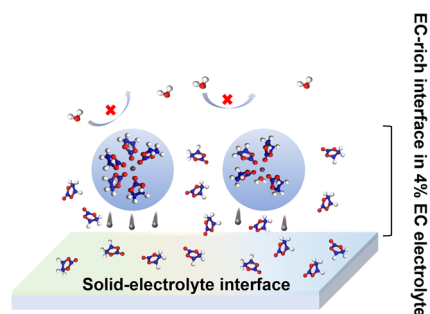


- New 2,5-Disubstituted Bicyclo[2.1.1]hexanes
- Rigidified 1,2-Disubstituted Cyclopentanes
- Synthesis by C-H functionalization and Cycloaddition

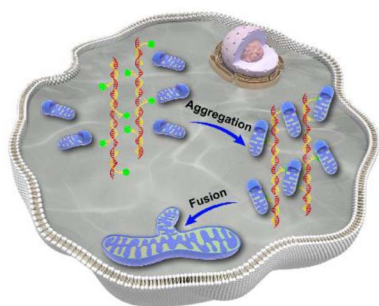
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Interface solvation regulation stabilizing the Zn metal anode in aqueous Zn batteries

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



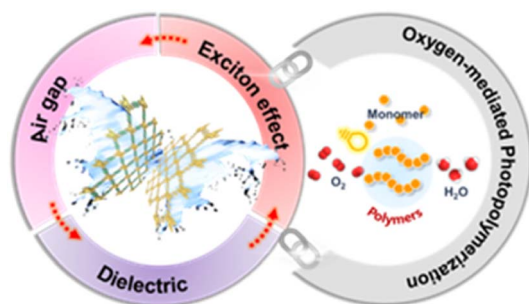
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Controllable mitochondrial aggregation and fusion by a programmable DNA binder

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

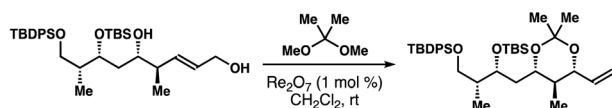
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Influence laws of air gap structure manipulation of covalent organic frameworks on dielectric properties and exciton effects for photopolymerization

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

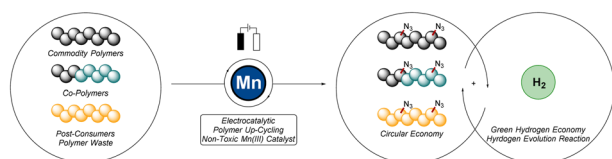
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Stereoselective syntheses of 2-methyl-1,3-diol acetals via Re-catalyzed [1,3]-allylic alcohol transposition

Jiaming Liu and Ming Chen*

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Polymer up-cycling by manganese-electrocatalytic C(sp³)-H azidation without directing groups

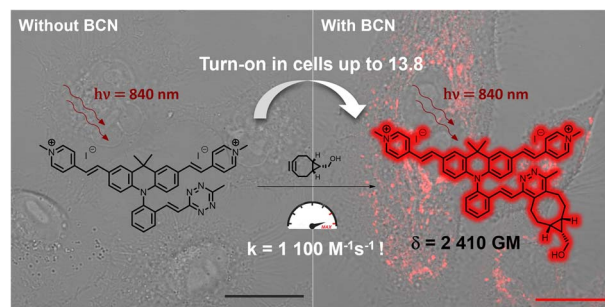
Isaac Maksso, Ramesh C. Samanta, Yifei Zhan, Kai Zhang,
Svenja Warratz and Lutz Ackermann*



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

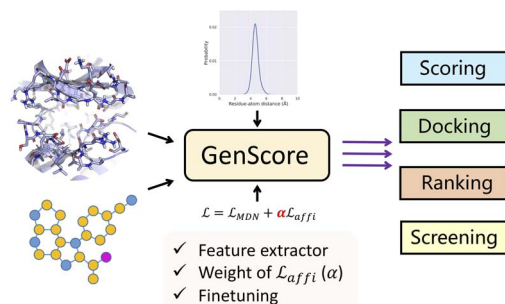
Marie Auvray,^{*} Delphine Naud-Martin, Gaëlle Fontaine, Frédéric Bolze, Gilles Clavier and Florence Mahuteau-Betzer^{*}



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

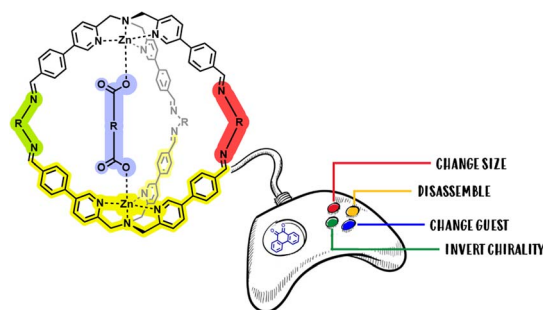
Chao Shen, Xujun Zhang, Chang-Yu Hsieh, Yafeng Deng, Dong Wang, Lei Xu, Jian Wu, Dan Li, Yu Kang,^{*} Tingjun Hou^{*} and Peichen Pan^{*}



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Programmed guest confinement *via* hierarchical cage to cage transformations

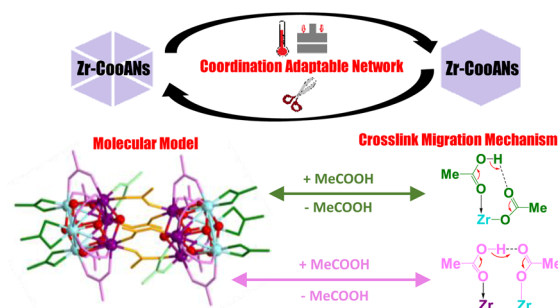
Federico Begato, Giulia Licini and Cristiano Zonta^{*}



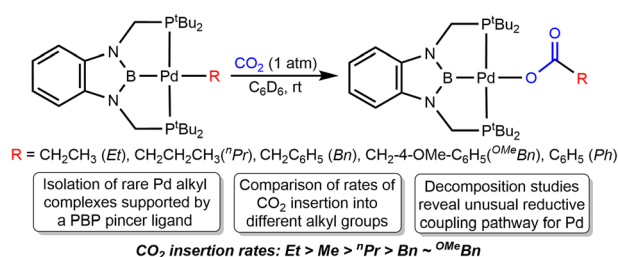
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Acetate exchange mechanism on a Zr₁₂ oxo hydroxo cluster: relevance for reshaping Zr–carboxylate coordination adaptable networks

Meenu Murali, Christian Bijani, Jean-Claude Daran, Eric Manoury and Rinaldo Poli^{*}



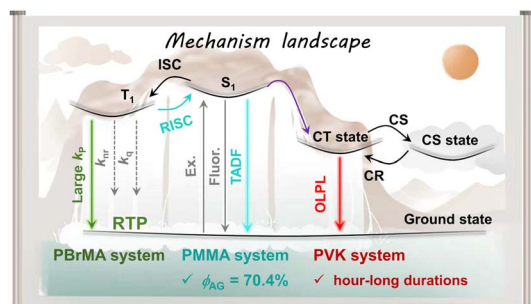
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Comparative study of CO_2 insertion into pincer supported palladium alkyl and aryl complexes

Anthony P. Deziel, Sahil Gahlawat, Nilay Hazari,^{*} Kathrin H. Hopmann^{*} and Brandon Q. Mercado

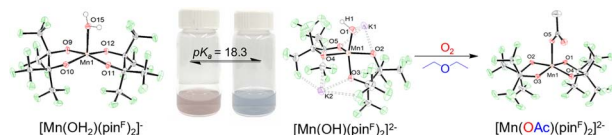
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Mechanism landscape in pyrylium induced organic afterglow systems

Guangming Wang, Xuefeng Chen, Xun Li, Ying Zeng and Kaka Zhang^{*}

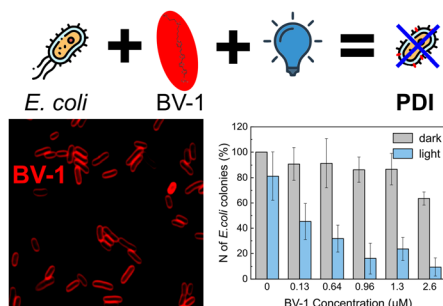
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HAA by the first $\{\text{Mn}(\text{III})\text{OH}\}$ complex with all O-donor ligands

Shawn M. Moore, Chen Sun, Jennifer L. Steele, Ellen M. Laaker, Arnold L. Rheingold and Linda H. Doerrer^{*}

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A membrane intercalating metal-free conjugated organic photosensitizer for bacterial photodynamic inactivation

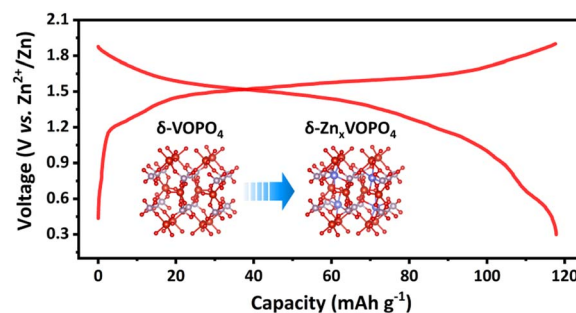
Arianna Magni, Sara Mattiello, Luca Beverina, Giuseppe Mattioli, Matteo Moschetta, Anita Zucchi, Giuseppe Maria Paternò^{*} and Guglielmo Lanzani^{*}



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 δ -VOPO₄ 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^{*}



8214

Zn-induced electron-rich Sn catalysts enable highly efficient CO₂ electroreduction to formate

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

