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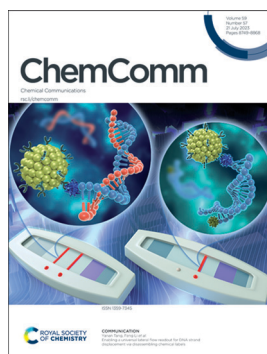
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ISSN 1359-7345 CODEN CHCOFS 59(57) 8749–8868 (2023)



Cover

See Krzysztof Woźniak, Mihails Arhangelis et al., pp. 8799–8802. Image reproduced by permission of Damian Trzybiński from *Chem. Commun.*, 2023, 59, 8799.



Inside cover

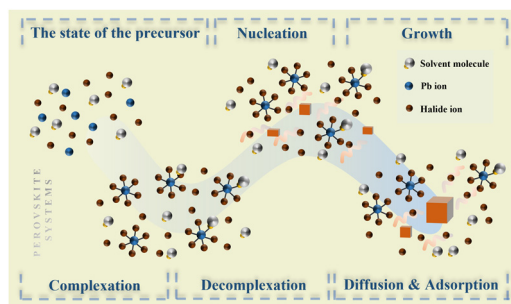
See Yanan Tang, Feng Li et al., pp. 8803–8805. Image reproduced by permission of Feng Li from *Chem. Commun.*, 2023, 59, 8803.

HIGHLIGHT

8758

Growth mechanism of metal halide perovskite single crystals in solution

Mingquan Liao, Mengling Xia,* Yinsheng Xu, Ping Lu and Guangda Niu*

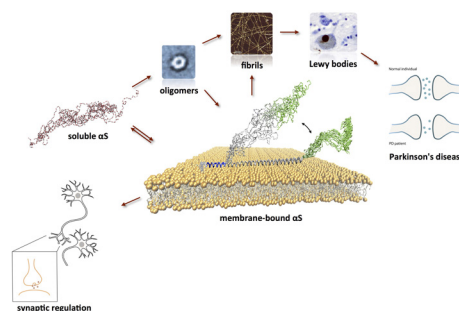


FEATURE ARTICLES

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α -Synuclein and biological membranes: the danger of loving too much

Silvia Mansueto, Giuliana Fusco* and Alfonso De Simone*



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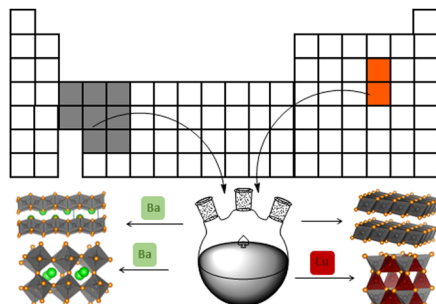


FEATURE ARTICLES

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Solution-phase synthesis of group 3–5 transition metal chalcogenide inorganic nanomaterials

Daniel Zilevu and Sidney E. Creutz*

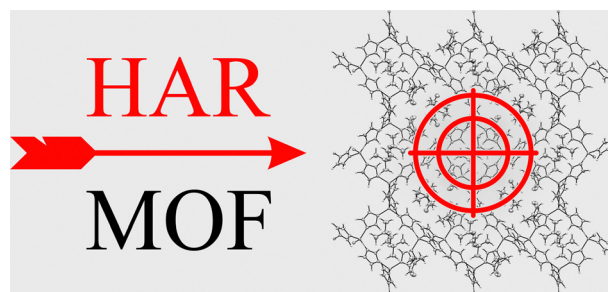


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Hirshfeld atom refinement of metal–organic frameworks for accurate positioning of hydrogen atoms and disorder analysis

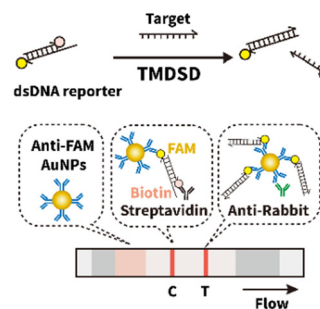
Yizhi Xu, Michał L. Chodkiewicz, Magdalena Woińska, Damian Trzybiński, Ivana Brekalo, Filip Topić, Krzysztof Woźniak* and Mihails Arhangelis*



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Enabling a universal lateral flow readout for DNA strand displacement *via* disassembling chemical labels

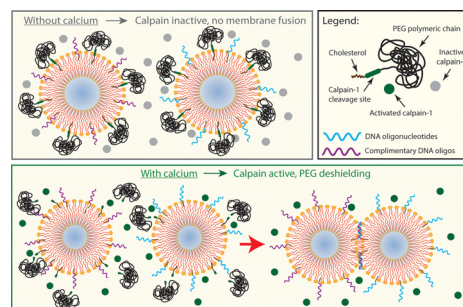
Wanting Peng, Yun Tan, Chenlan Shen, Yanan Tang* and Feng Li*



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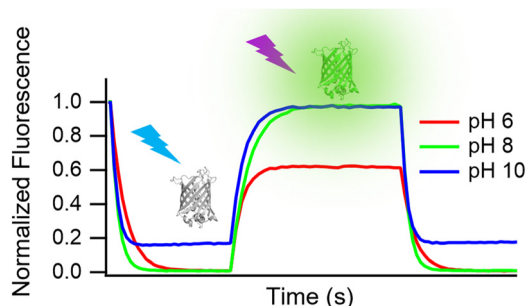
Calcium-triggered DNA-mediated membrane fusion in synthetic cells

Yen-Yu Hsu, Samuel J. Chen, Julio Bernal-Chanchavac, Bineet Sharma, Hossein Moghimianavval, Nicholas Stephanopoulos and Allen P. Liu*



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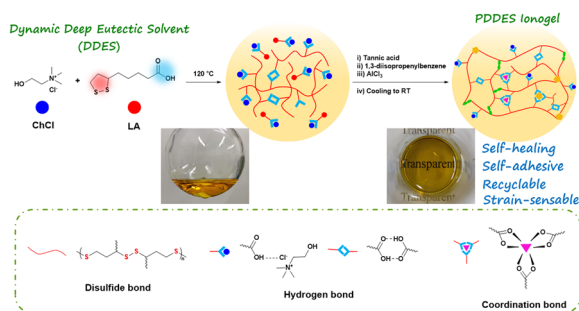
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Quantitative determination of the full switching cycle of photochromic fluorescent proteins

Anaïs C. Bourges, Benjamin Moeyaert, Thi Yen Hang Bui, Franziska Bierbuesse, Wim Vandenberg and Peter Dedecker*

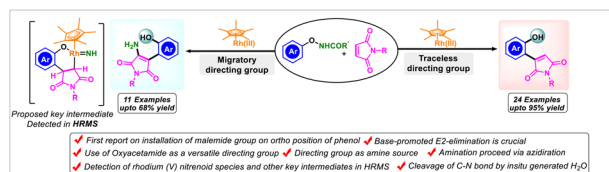
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Development of multifunctional ionogels derived from a dynamic deep eutectic solvent

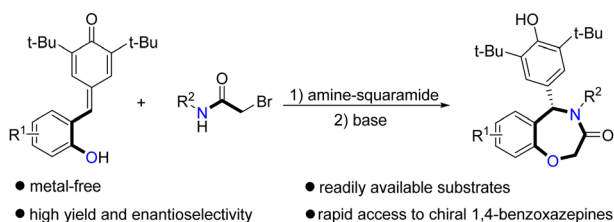
Jintao Li, Mingzu Zhang, Jinlin He* and Peihong Ni

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Carboamination and olefination: *ortho* C–H functionalization of phenoxyacetamide

Tanmayee Nanda, Shubham Kumar Dhal, Gopal Krushna Das Adhikari, Namrata Prusty and Ponneri C. Ravikumar*

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Metal-free and enantioselective synthesis of 1,4-benzoxazepines from *para*-quinone methide derivatives and α -bromohydroxamates

Suo-Suo Qi, Xin Luo, Xiao-Ping Sun, Jing-Jing Zhai, Ming-Ming Chu,* Jin Chen,* Yi-Feng Wang* and Dan-Qian Xu*

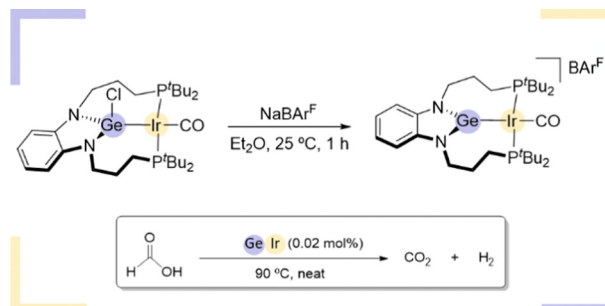


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A genuine germylene PGeP pincer ligand for formic acid dehydrogenation with iridium

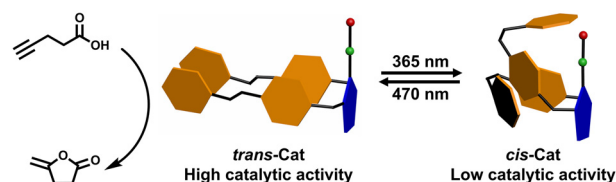
Marta Fernández-Buenestado, Rosie J. Somerville, Joaquín López-Serrano* and Jesús Campos*



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A photoresponsive gold catalyst based on azobenzene-functionalized NHC ligands

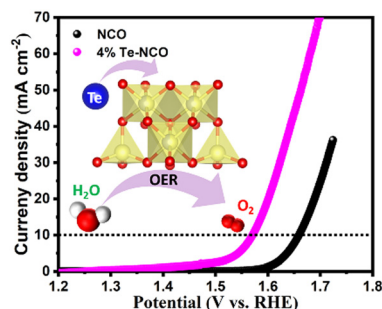
Jianghua Liu, Eduard O. Bobylev, Bas de Bruin and Joost N. H. Reek*



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Tellurium-induced defect engineering for boosting the oxygen evolution reaction of spinel oxide

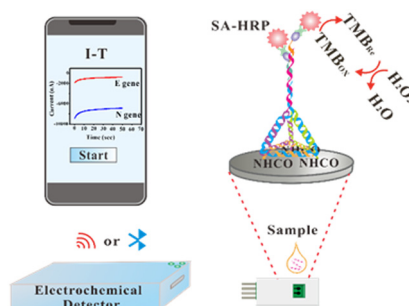
Shu-Fang Li,* Xin Li and Dong Yan*



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A DNA framework-based dual signal amplification biosensor for portable detection of SARS-CoV-2 and its mutations

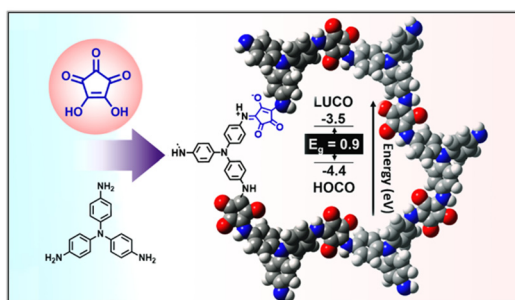
Yanzhi Dou, ZiYue Huang, Tie Li, Nokuzola Maboyi, Xianting Ding, Shiping Song* and Jing Su*





Qiang Zhang, Pengfei Zhou, Yaokun Zhao, Yeran Liu,
Taoyuan Liang, Jun Jiang* and Zhuan Zhang*

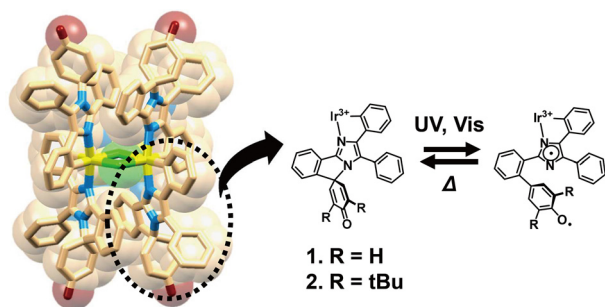
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A croconic acid-derived narrow band gap conjugated microporous polymer

S. Enoch, Atul B. Nipate, Vellanki Lakshmi* and
Rajeswara Rao Malakalapalli*

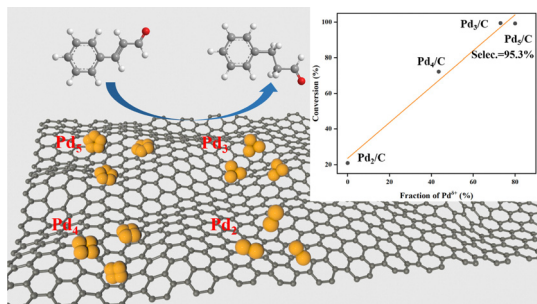
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Photochromic dinuclear iridium(III) complexes having phenoxyl-imidazolyl radical complex derivatives

Yoshinori Okayasu, Takuya Miyahara, Rintaro Shimada,
Yuki Nagai, Akira Sakamoto, Jiro Abe* and
Yoichi Kobayashi*

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Electronic structure modulation of Pd_{*n*} (*n* = 2–5) nanoclusters in the hydrogenation of cinnamaldehyde

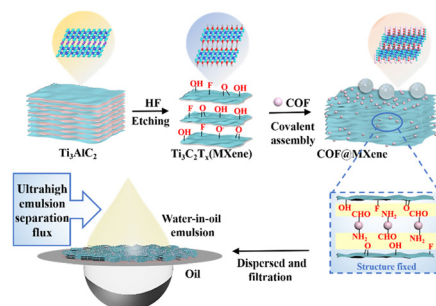
Jie Tang, Tingting Ge, Wenxuan Wang, Chao Liu* and
Jiahui Huang*

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A robust COF@MXene membrane for ultra-high flux of water-in-oil emulsion separation

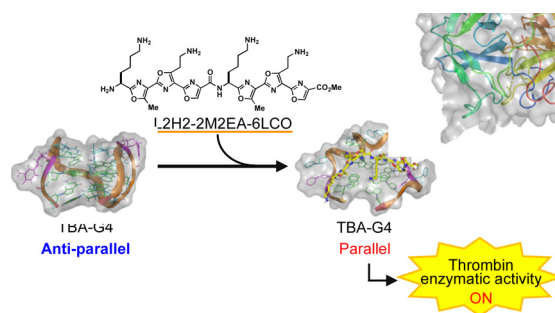
Jing Wang, Xiangqian Xu, Yujian Zhou, Wen Ma, Fushan Wang, Yongjun Zhou and Xuehu Men*



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Regulation of thrombin activity by ligand-induced topological alteration in a thrombin-binding aptamer

Shogo Sasaki, Yue Ma, Takatsugu Hirokawa, Kazunori Ikebukuro, Masayuki Tera* and Kazuo Nagasawa*



CORRECTION

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Correction: Pyrrolopyrrole aza-BODIPY near-infrared photosensitizer for dual-mode imaging-guided photothermal cancer therapy

Chaolong Wu, Xiaoyu Huang, Yunyun Tang, Wanyue Xiao, Liguang Sun,* Jinjun Shao* and Xiaochen Dong*

