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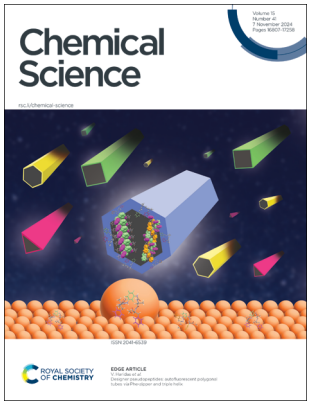
ISSN 2041-6539 CODEN CSHCBM 15(41) 16807–17258 (2024)



Cover
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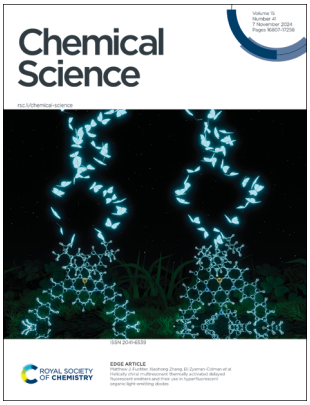
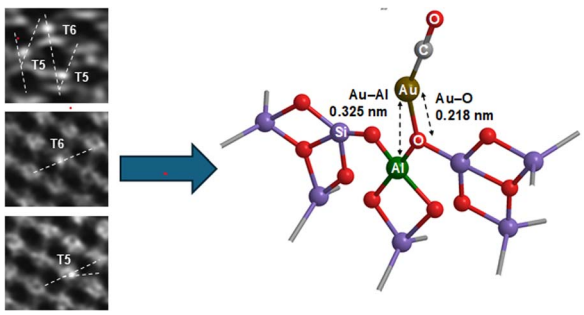
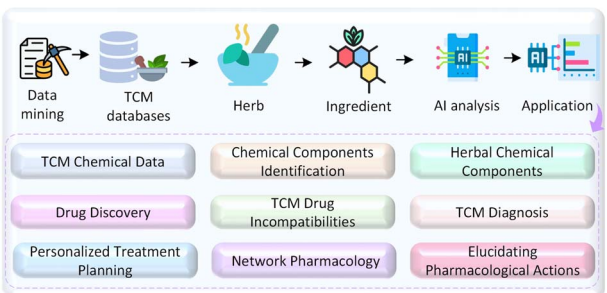


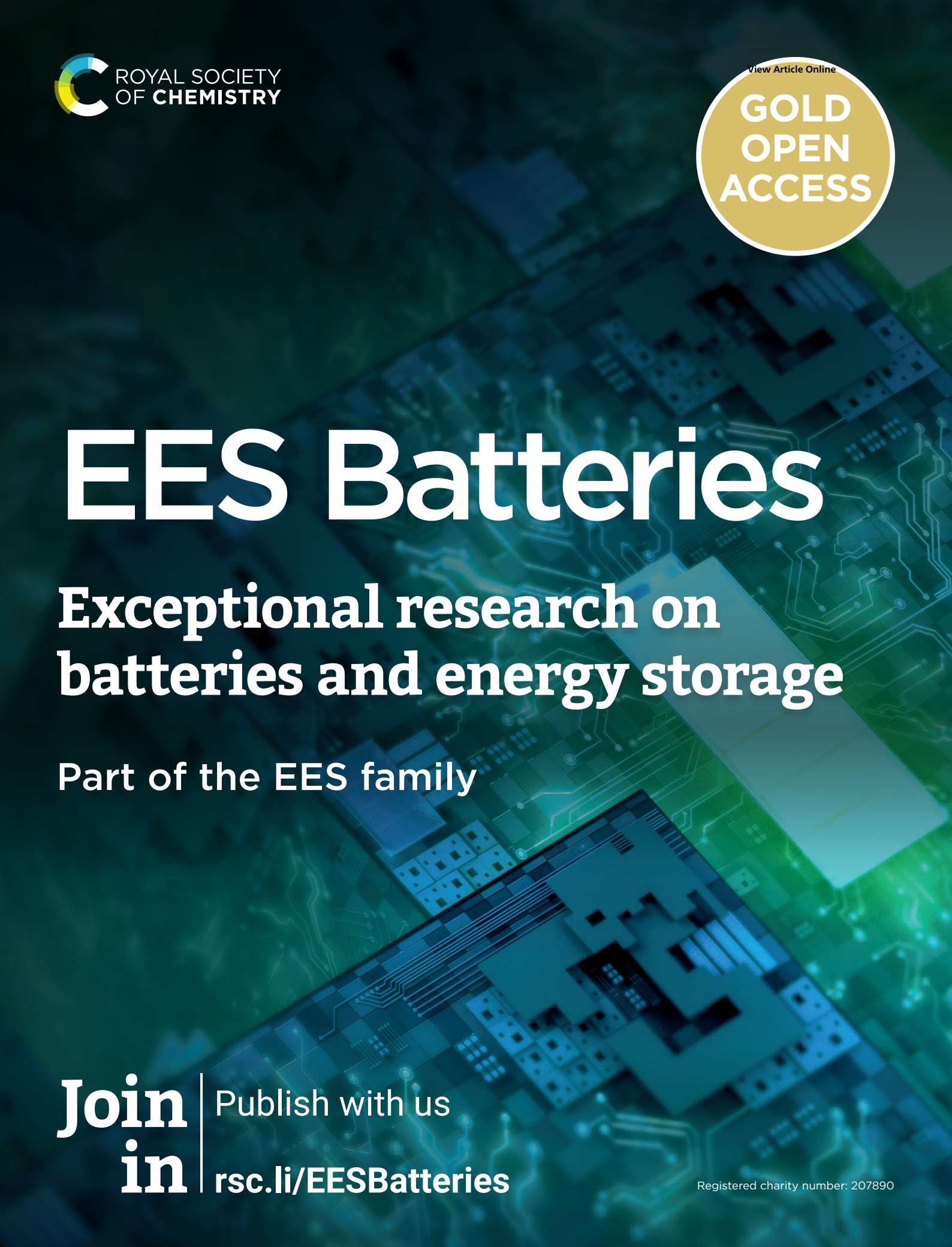
Inside cover
See Matthew J. Fuchter, Xiaohong Zhang, Eli Zysman-Colman *et al.*, pp. 16917–16927. Image reproduced by permission of Eli Zysman-Colman from *Chem. Sci.*, 2024, **15**, 16917. Image created by Ettore Crovini.

PERSPECTIVE



REVIEWS

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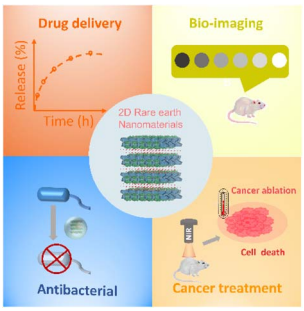

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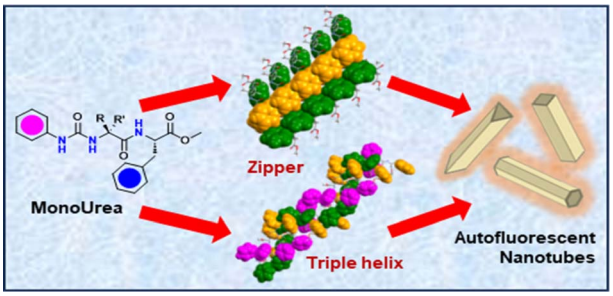

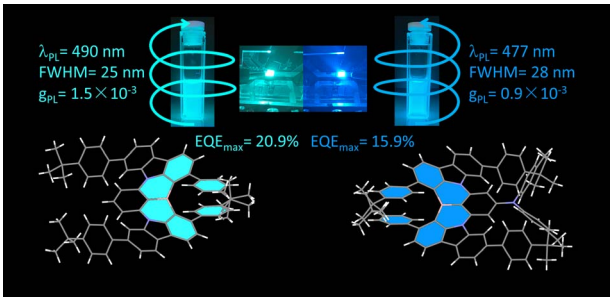

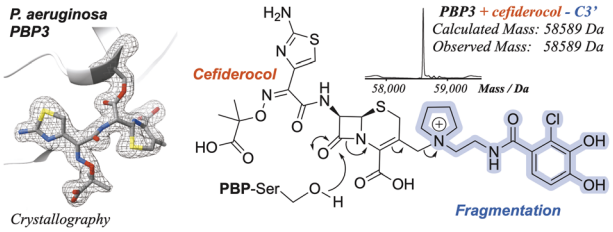

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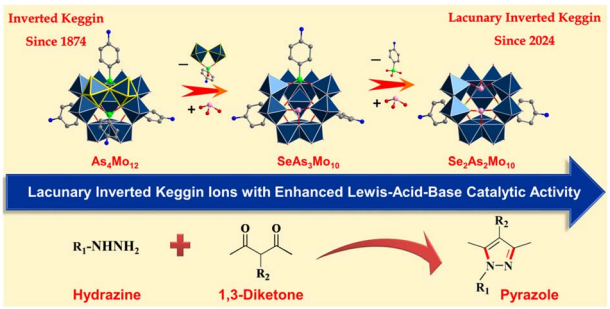

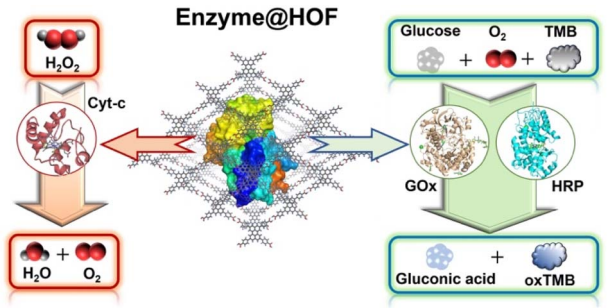

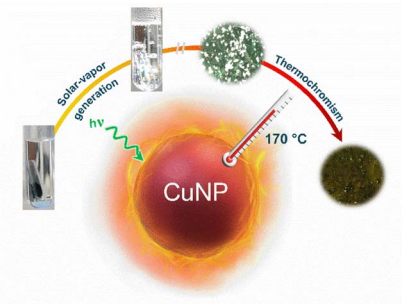

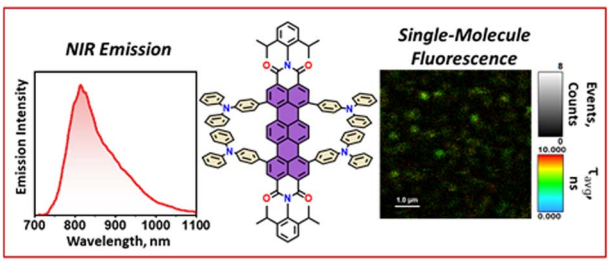

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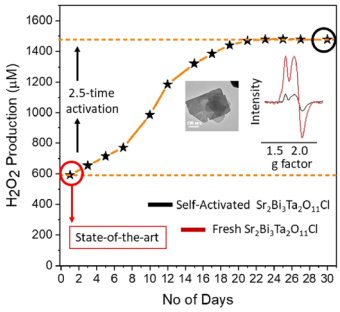

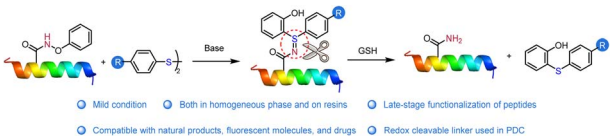

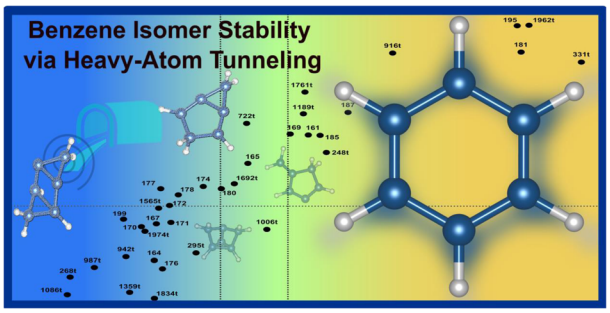

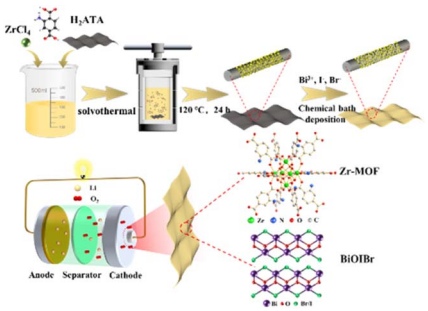

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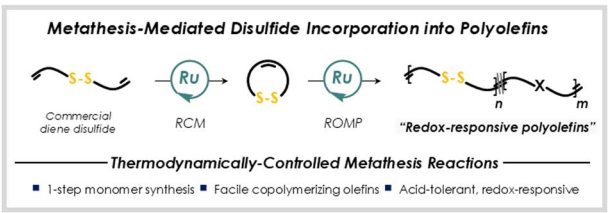
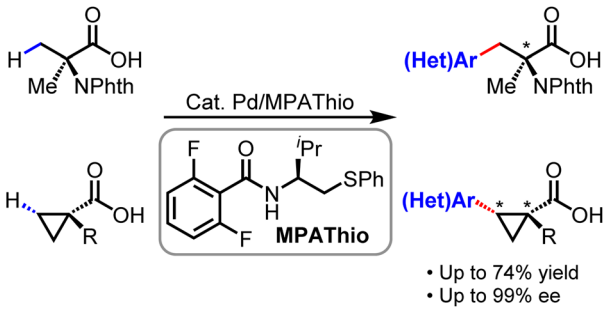


Degradable polyolefins prepared by integration of disulfides into metathesis polymerizations with 3,6-dihydro-1,2-dithiine

Hong-Gyu Seong, Thomas P. Russell and Todd Emrick*

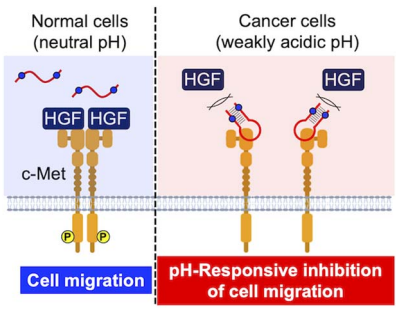
17092



Synthesis of chiral α-amino acids *via* Pd(II)-catalyzed enantioselective C–H arylation of α-aminoisobutyric acid

Zi-Yu Zhang, Tao Zhang, Yuxin Ouyang, Peng Lu, Jennifer X. Qiao and Jin-Quan Yu*

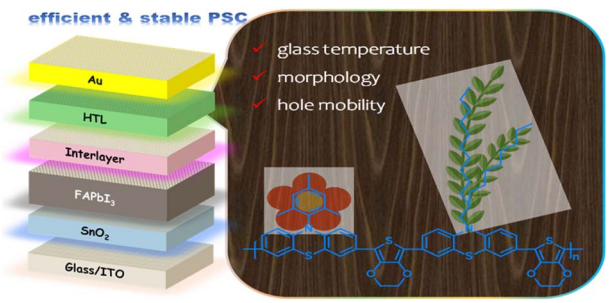
17097



Selective inhibition of cancer cell migration using a pH-responsive nucleobase-modified DNA aptamer

Yuyuan Chen, Kunihiko Morihiro,* Yui Nemoto, Akito Ichimura, Ryosuke Ueki, Shinsuke Sando and Akimitsu Okamoto*

17103



An alternating copolymer of phenothiazine and ethylenedioxythiophene for perovskite solar cells: effects of flexible and rigid substituent alternation

Bing Zhang, Yaohang Cai, Lifei He, Niansheng Xu,* Yi Yuan, Jing Zhang, Yuyan Zhang* and Peng Wang*

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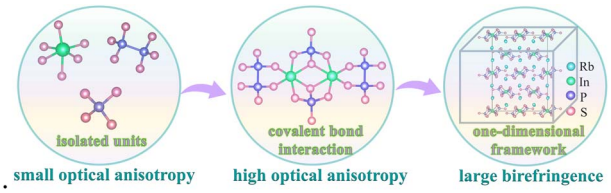

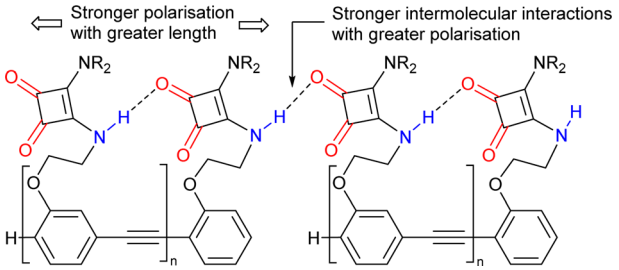

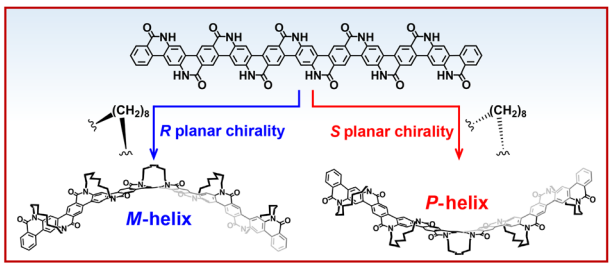

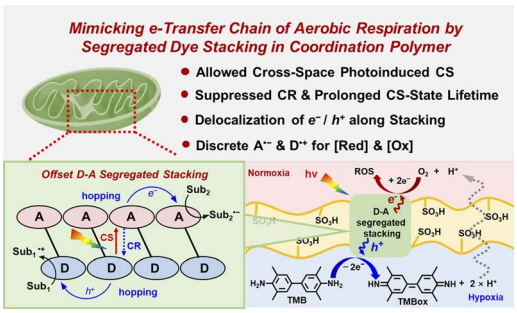

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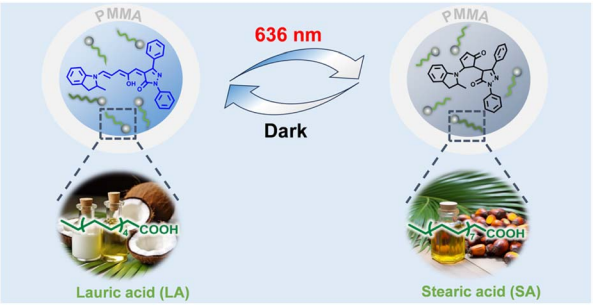
A DASA displaying highly efficient and rapid reversible isomerization within sustainable nano/micro capsules: one step closer to sustainability

Baoshuo Liu, Xinnian Fan, Hao Ma, Yutong Xie, Haojun Fan, Qiang Yan and Jun Xiang*



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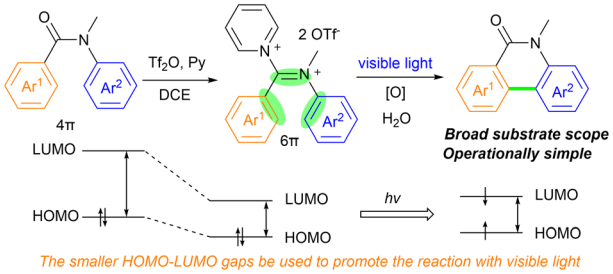
Visible light-induced Mallory reaction of tertiary benzanilides *via* iminium intermediates

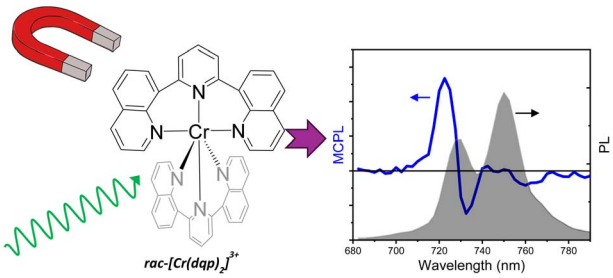
Xiaoqiang Ma, Si Wang, Zhanyong Tang, Jialin Huang, Tianhao Jia, Xingda Zhao and Depeng Zhao*



17217

Magnetic circularly polarized luminescence from spin–flip transitions in a molecular ruby

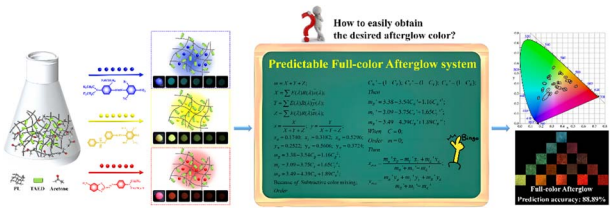
Alessio Gabbani, Maxime Poncet, Gennaro Pescitelli, Laura Carbonaro, J. Krzystek, Enrique Colacio, Claude Piguet, Francesco Pineider, Lorenzo Di Bari, Juan-Ramón Jiménez* and Francesco Zinna*



17224

Simplifying complexity: integrating color science for predictable full-color and on-demand persistent luminescence using industrial disperse dyes

Guowei Xiao, Xiaoyan Wang, Xiaoyu Fang, Jinmei Du, Yang Jiang, Dagang Miao, Dongpeng Yan* and Changhai Xu*



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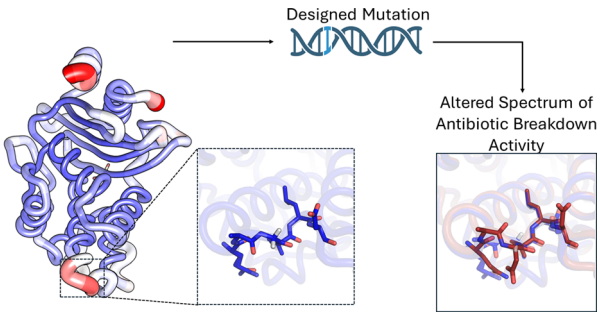
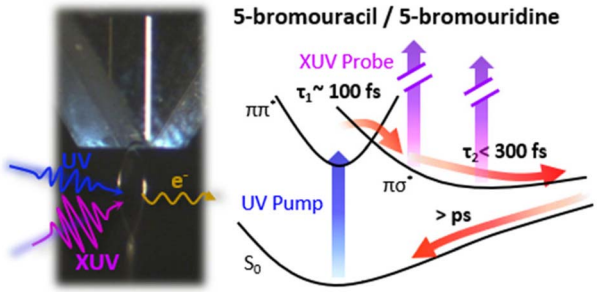


Dynamical responses predict a distal site that modulates activity in an antibiotic resistance enzyme

Michael Beer, Ana Sofia F. Oliveira, Catherine L. Tooke, Philip Hinchliffe, Angie Tsz Yan Li, Balazs Balega, James Spencer* and Adrian J. Mulholland*

17245



Dynamics of photoexcited 5-bromouracil and 5-bromo-2′-deoxyuridine studied by extreme ultraviolet time-resolved photoelectron spectroscopy in liquid flat jets

Do Hyung Kang, Masafumi Koga, Neal Haldar and Daniel M. Neumark*