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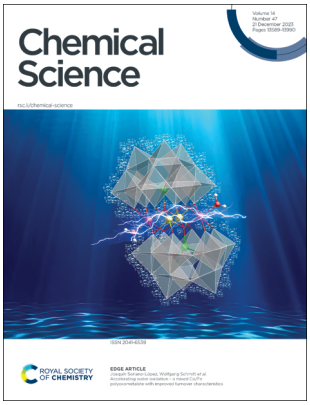
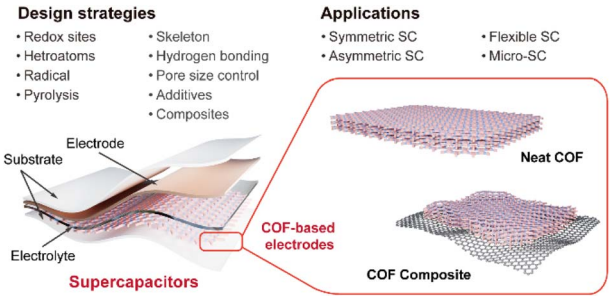
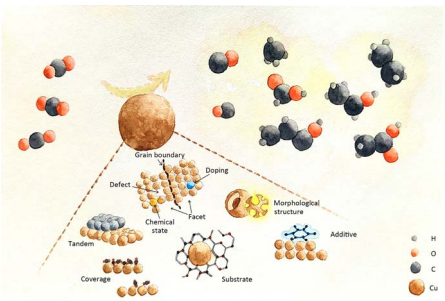
Cover
See Iria Bolaño Losada and Petter Persson, pp. 13713–13721. Image reproduced by permission of Iria Bolaño Losada from *Chem. Sci.*, 2023, **14**, 13713. Artwork by Iria Bolaño Losada.



Inside cover
See Joaquín Soriano-López, Wolfgang Schmitt et al., pp. 13722–13733. Image reproduced by permission of Joaquín Soriano-López and Juan José Mufanó from *Chem. Sci.*, 2023, **14**, 13722.

REVIEWS





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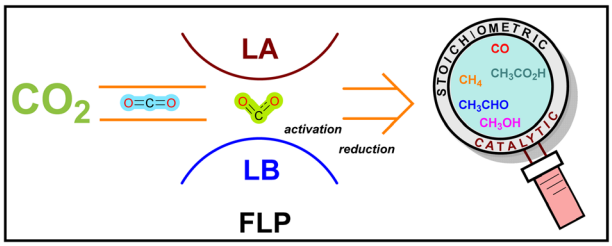
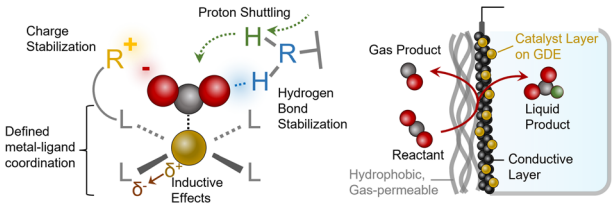
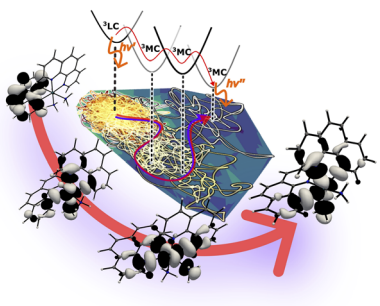
REVIEWS

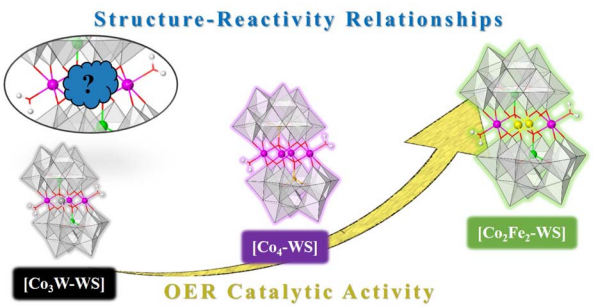


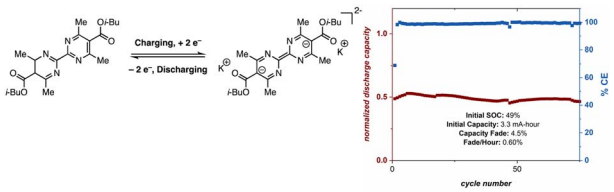
PERSPECTIVE



EDGE ARTICLES

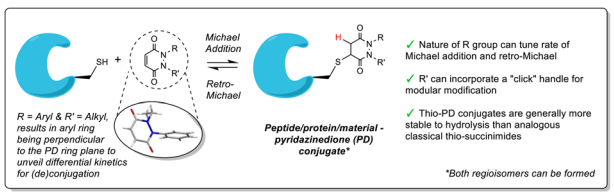






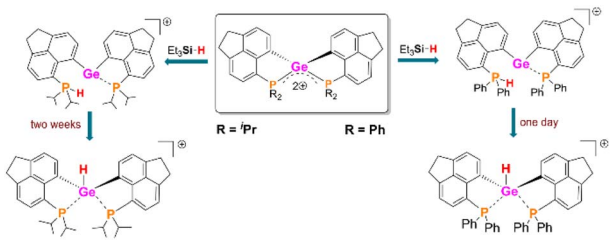
Data science enabled discovery of a highly soluble 2,2′-bipyrimidine anolyte for application in a flow battery

Adam R. Pancoast, Sara L. McCormack, Shelby Galinat, Ryan Walser-Kuntz, Brianna M. Jett, Melanie S. Sanford and Matthew S. Sigman*



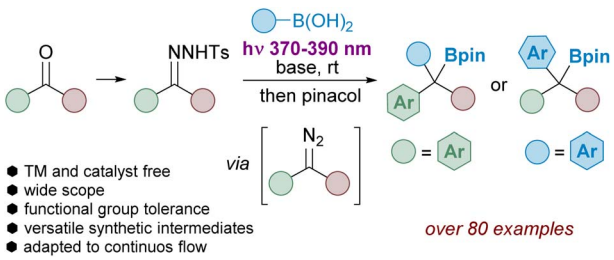
Use of pyridazinediones for tuneable and reversible covalent cysteine modification applied to peptides, proteins and hydrogels

Léa N. C. Rochet, Calise Bahou, Jonathan P. Wojciechowski, Ilias Koutsopetras, Phyllida Britton, Richard J. Spears, Ioanna A. Thanasi, Baihao Shao, Lisha Zhong, Dejan-Krešimir Bučar, Abil E. Aliev, Michael J. Porter, Molly M. Stevens, James R. Baker* and Vijay Chudasama*



Intramolecular donor-stabilized tetra-coordinated germanium(IV) di-cations and their Lewis acidic properties

Balakrishna Peddi, Souvik Khan, Rajesh G. Gonnade, Cem B. Yildiz* and Moumita Majumdar*



Synthesis of substituted benzylboronates by light promoted homologation of boronic acids with *N*-sulfonylhydrazones

Álvaro Valdés-Maqueda, Lucía López, Manuel Plaza* and Carlos Valdés*

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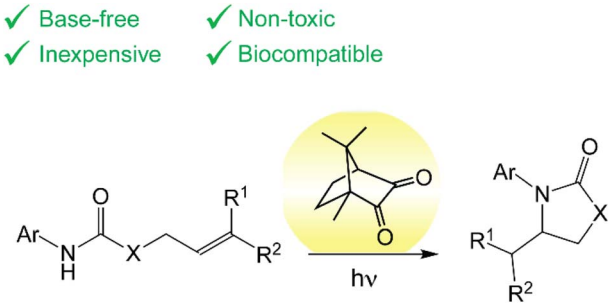

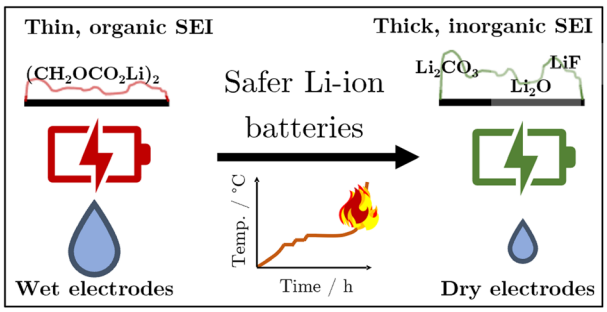

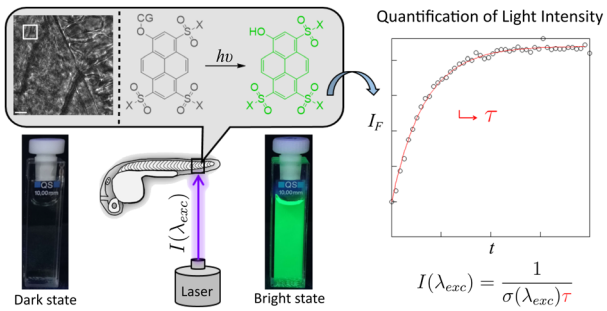

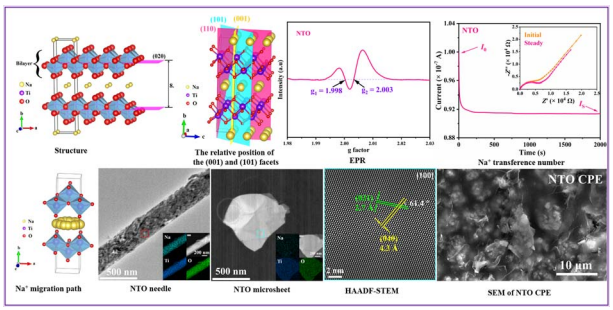

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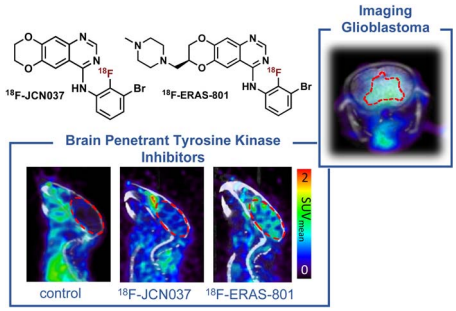

^{18}F-Labeled brain-penetrant EGFR tyrosine kinase inhibitors for PET imaging of glioblastoma

Maruthi Kumar Narayanam, Jonathan E. Tsang, Shili Xu, David A. Nathanson and Jennifer M. Murphy*

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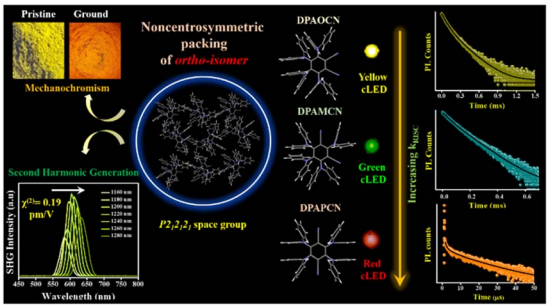

Engineering TADF, mechanochromism, and second harmonic up-conversion properties in regioisomeric substitution space

Abhijit Chatterjee, Joy Chatterjee, Subrahmanyam Sappati, Riteeka Tanwar, Madan D. Ambhore, Habibul Arfin, Rintu M. Umesh, Mayurika Lahiri, Pankaj Mandal and Partha Hazra*

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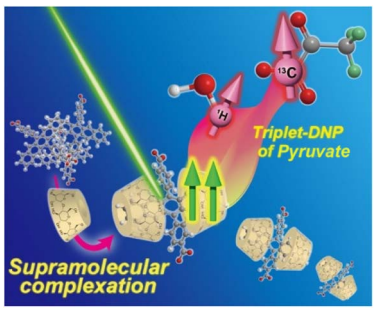
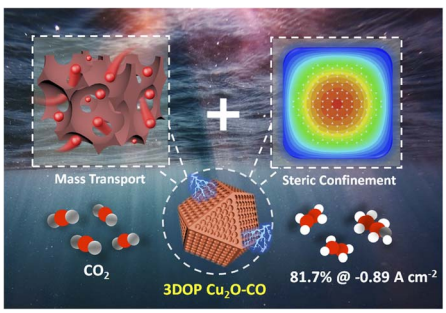


Triplet dynamic nuclear polarization of pyruvate *via* supramolecular chemistry

Tomoyuki Hamachi, Koki Nishimura, Keita Sakamoto, Yusuke Kawashima, Hironori Kouno, Shunsuke Sato, Go Watanabe, Kenichiro Tateishi, Tomohiro Uesaka and Nobuhiro Yanai*

13851



Evoking C_{2+} production from electrochemical CO_2 reduction by the steric confinement effect of ordered porous Cu_2O

Longlong Fan, Qinghong Geng, Lian Ma, Chengming Wang, Jun-Xuan Li, Wei Zhu, Ruiwen Shao, Wei Li, Xiao Feng, Yusuke Yamauchi, Cuiling Li* and Lei Jiang

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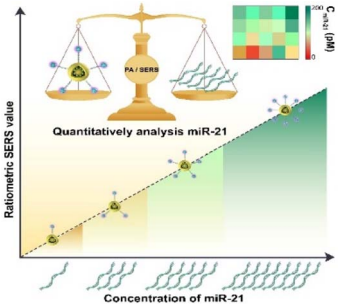
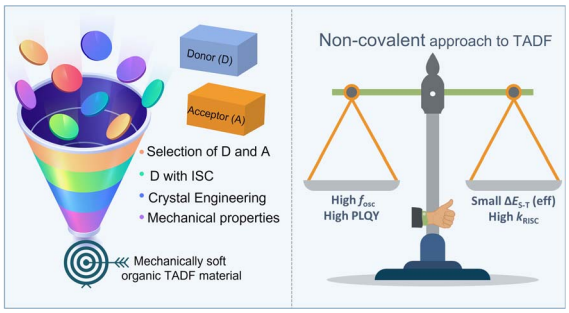
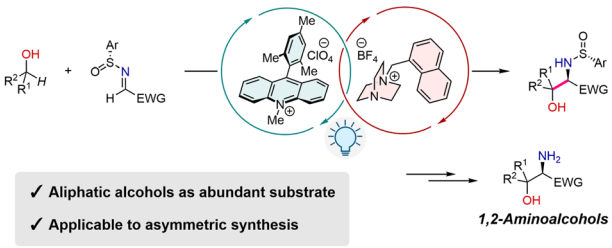
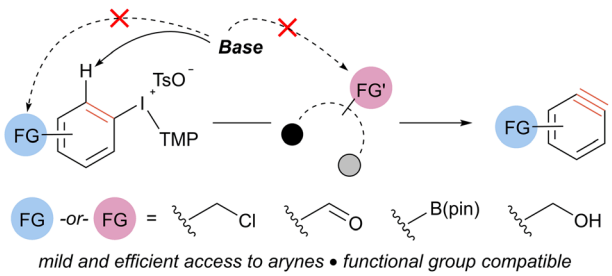
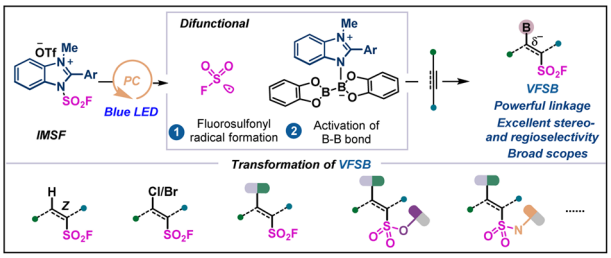




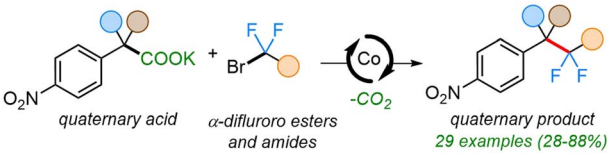






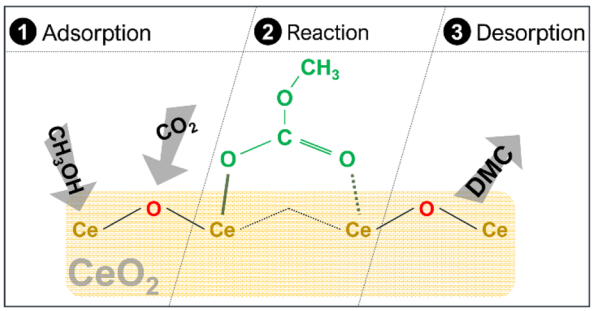
Photoredox-catalyzed stereo- and regioselective vicinal fluorosulfonyl-borylation of unsaturated hydrocarbons

Heyin Li, Mengjun Huang, Zhenlei Zou, Zhen Wang, Yifan Li, Chao Sun, Wangzhe Chen, Yi Pan, Weigang Zhang* and Yi Wang*



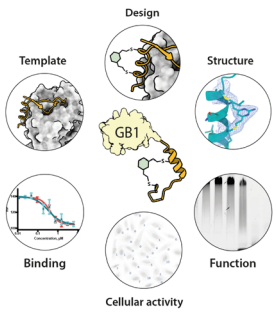
Cobalt-catalyzed decarboxylative difluoroalkylation of nitrophenylacetic acid salts

Ebbin Joseph, Ian Smith and Jon A. Tunge*



Dimethyl carbonate synthesis from CO_2 and methanol over CeO_2: elucidating the surface intermediates and oxygen vacancy-assisted reaction mechanism

Dragos Stoian, Toshiyuki Sugiyama, Atul Bansode, Francisco Medina, Wouter van Beek, Jun-ya Hasegawa, Akira Nakayama* and Atsushi Urakawa*



A recombinant approach for stapled peptide discovery yields inhibitors of the RAD51 recombinase

Teodors Pantelejevs,* Pedro Zuazua-Villar, Oliwia Koczy, Andrew J. Counsell, Stephen J. Walsh, Naomi S. Robertson, David R. Spring, Jessica A. Downs and Marko Hyvönen*

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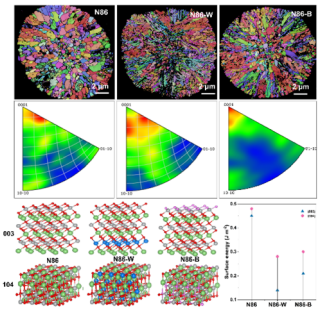

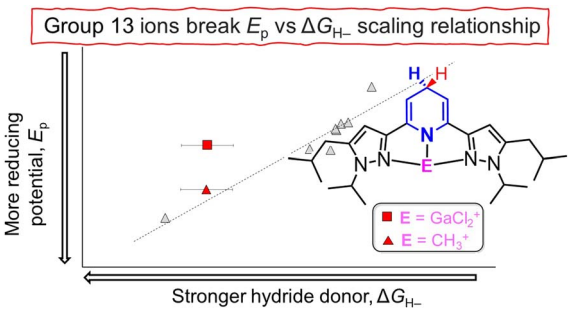

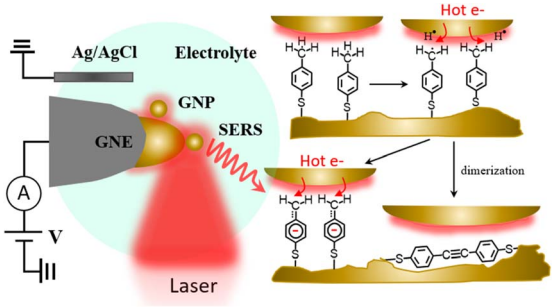

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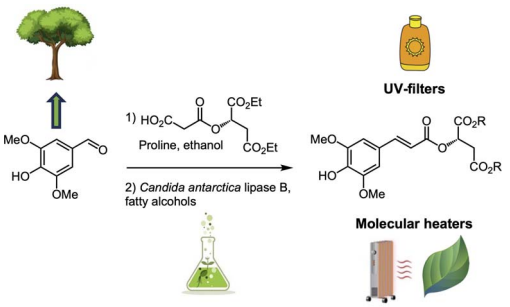

An expeditive and green chemo-enzymatic route to diester sinapoyl-L-malate analogues: sustainable bioinspired and biosourced UV filters and molecular heaters

Benjamin Rioux, Louis M. M. Mouterde, Jimmy Alarcan, Temitope T. Abiola, Matthias J. A. Vink, Jack M. Woolley, Aurélien A. M. Peru, Matthieu M. Mention, Fanny Brunissen, Giel Berden, Jos Oomens,* Albert Braeuning,* Vasilios G. Stavros* and Florent Allais*

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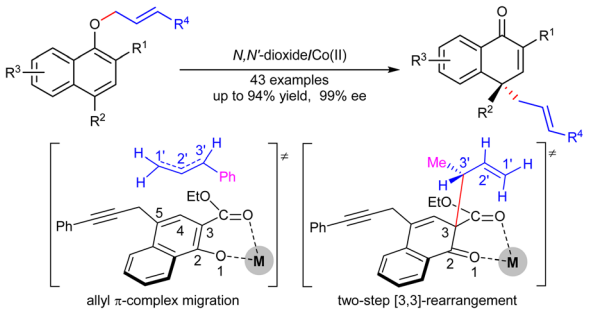

Chiral cobalt(II) complex-promoted asymmetric *para*-Claisen rearrangement of allyl α-naphthol ethers

Hongkun Zeng, Lifeng Wang, Zhishan Su, Meijia Ying, Lili Lin* and Xiaoming Feng*

CORRECTIONS

13986

Correction: A non-sacrificial method for the quantification of poly(ethylene glycol) grafting density on gold nanoparticles for applications in nanomedicine

Jun Lu, Yao Xue, Rui Shi, Jing Kang, Chao-Yang Zhao, Ning-Ning Zhang, Chun-Yu Wang, Zhong-Yuan Lu* and Kun Liu*

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Correction: The need for *operando* modelling of ^{27}Al NMR in zeolites: the effect of temperature, topology and water

Chen Lei, Andreas Erlebach, Federico Brivio, Lukáš Grajciar, Zdeněk Tošner, Christopher J. Heard* and Petr Nachtigall