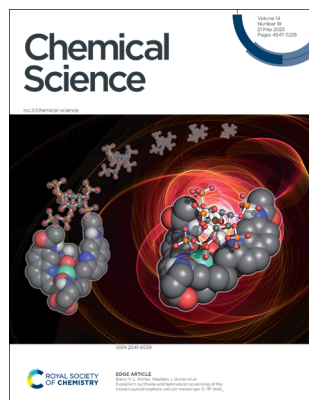
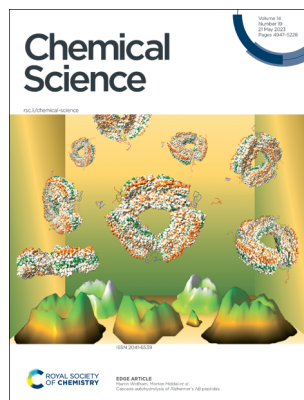


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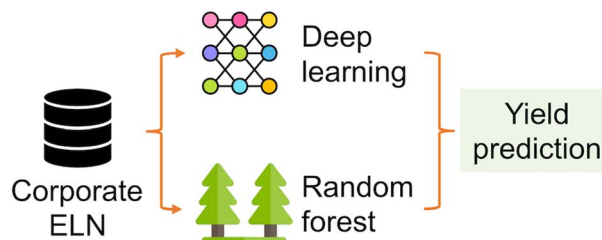
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See Martin Wolfram, Morten Meldal *et al.*, pp. 4986–4996. Image reproduced by permission of Morten Meldal from *Chem. Sci.*, 2023, 14, 4986.

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Latimah Bustillo and Tiago Rodrigues\*

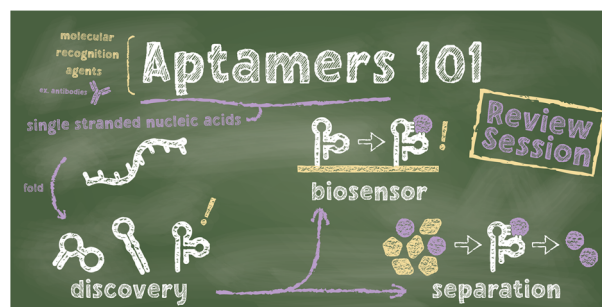


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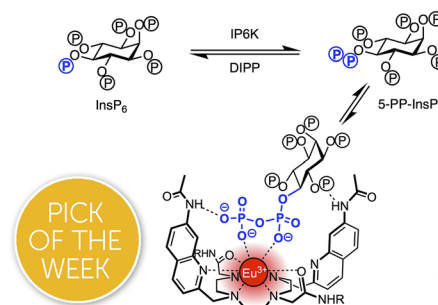
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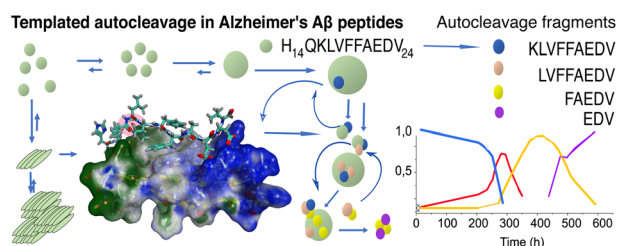
Megan L. Shipton, Fathima A. Jamion, Simon Wheeler, Andrew M. Riley, Felix Plasser, Barry V. L. Potter\* and Stephen J. Butler\*



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## Cascade autohydrolysis of Alzheimer's A $\beta$ peptides

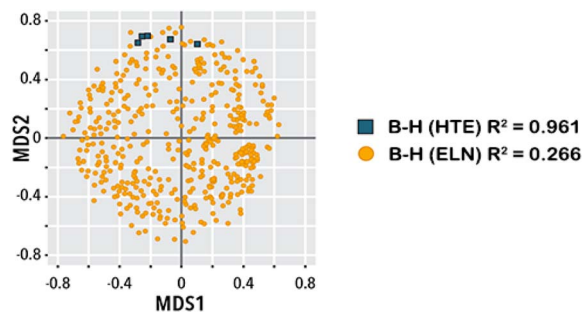
Martin Wolfram,\* Manish K. Tiwari, Tue Hassenkam, Ming Li, Morten J. Bjerrum and Morten Meldal\*



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## On the use of real-world datasets for reaction yield prediction

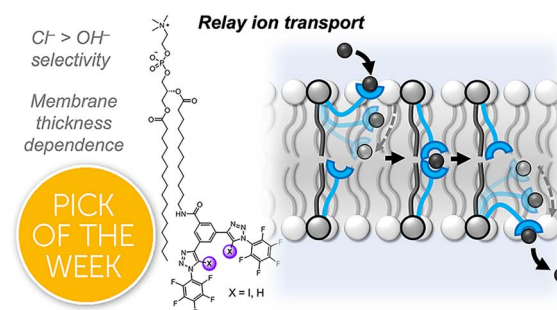
Mandana Saebi, Bozhao Nan, John E. Herr, Jessica Wahlers, Zhichun Guo, Andrzej M. Zurański, Thierry Kogej, Per-Ola Norrby, Abigail G. Doyle, Nitesh V. Chawla\* and Olaf Wiest\*



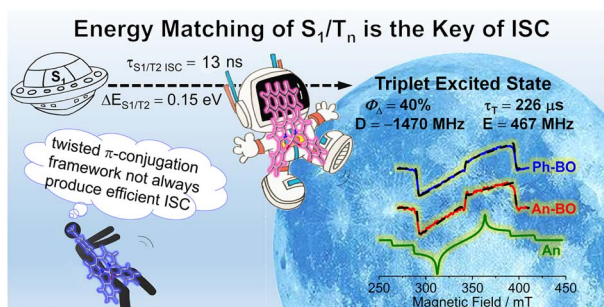
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## Halogen bonding relay and mobile anion transporters with kinetically controlled chloride selectivity

Toby G. Johnson, Andrew Docker, Amir Sadeghi-Kelishadi and Matthew J. Langton\*



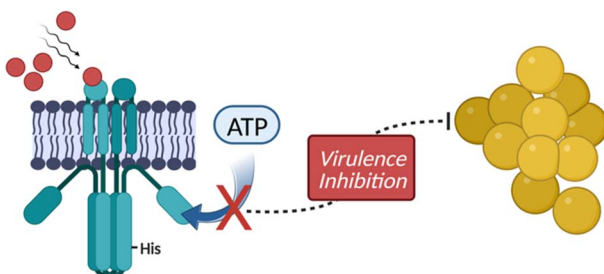
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### Origin of intersystem crossing in highly distorted organic molecules: a case study with red light-absorbing *N,N,O,O*-boron-chelated Bodipys

Xue Zhang, Andrey A. Sukhanov, Xi Liu, Maria Taddei, Jianzhang Zhao,\* Anthony Harriman,\* Violeta K. Voronkova,\* Yan Wan,\* Bernhard Dick\* and Mariangela Di Donato\*

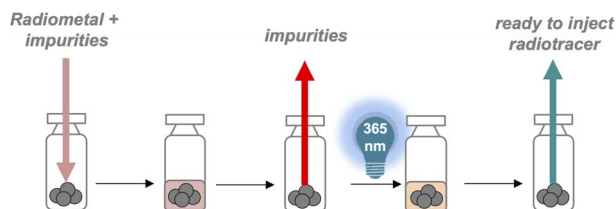
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### Targeting multidrug resistant *Staphylococcus* infections with bacterial histidine kinase inhibitors

Adeline Espinasse, Manibarsha Goswami, Junshu Yang, Onanong Vorasin, Yinduo Ji\* and Erin E. Carlson\*

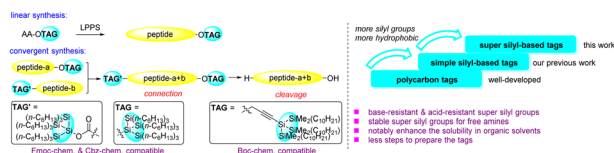
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Dariusz Śmitowicz, Shawn Eisenberg, Shin Hye Ahn, Angus J. Koller, Philip P. Lampkin and Eszter Boros\*

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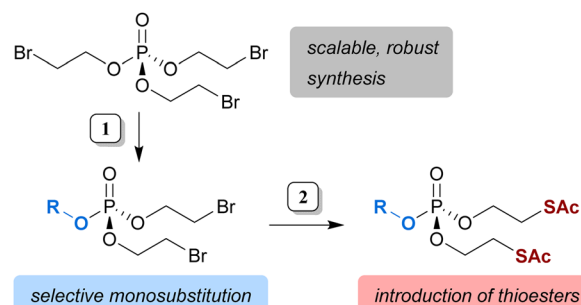
An Wu\* and Hisashi Yamamoto\*



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### Synthesis of biolabile thioalkyl-protected phosphates from an easily accessible phosphotriester precursor

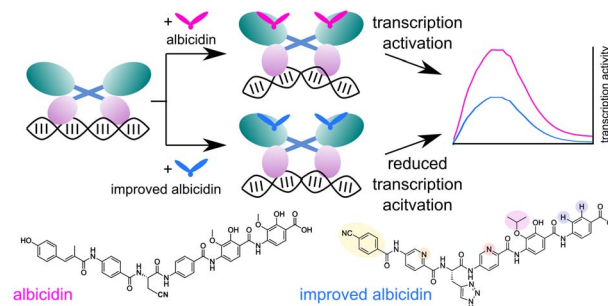
Lloyd D. Murphy, Kathryn E. Huxley, Ava Wilding, Cyane Robinson, Quentin P. O. Foucart and Lianne I. Willems\*



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### Transcription activation by the resistance protein AlbA as a tool to evaluate derivatives of the antibiotic albicidin

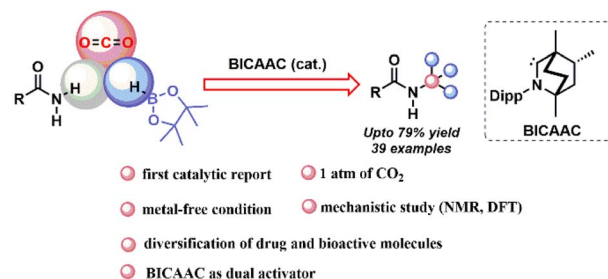
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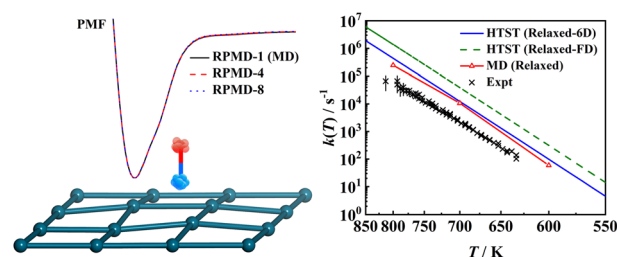
Nimisha Gautam, Ratan Logdi, Sreejyothi P., Antara Roy, Ashwani K. Tiwari\* and Swadhin K. Mandal\*



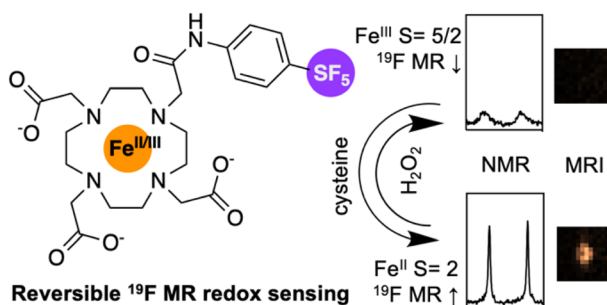
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### First-principles surface reaction rates by ring polymer molecular dynamics and neural network potential: role of anharmonicity and lattice motion

Chen Li, Yongle Li\* and Bin Jiang\*



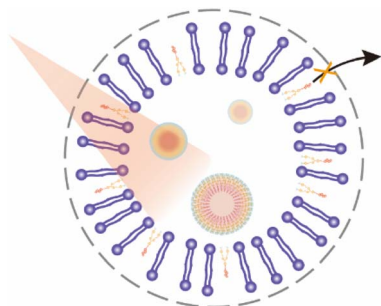
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### An Fe complex for $^{19}\text{F}$ magnetic resonance-based reversible redox sensing and multicolor imaging

Rahul T. Kadakia, Raphael T. Ryan, Daniel J. Cooke and Emily L. Que\*

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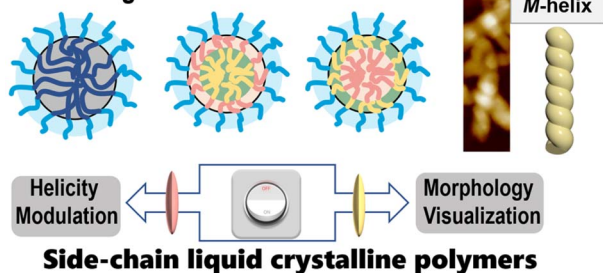


### A self-assembled nanophotosensitizer targets lysosomes and induces lysosomal membrane permeabilization to enhance photodynamic therapy

Youyou Li, Wenbo Han, Deyan Gong, Taokun Luo, Yingjie Fan, Jianming Mao, Wenwu Qin and Wenbin Lin\*

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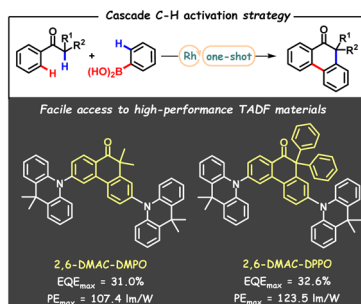
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Xiaoxiao Cheng, Yijing Gan, Gong Zhang, Qingping Song,\* Zhengbiao Zhang\* and Wei Zhang\*

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### Molecular engineering of locked alkyl aryl carbonyl-based thermally activated delayed fluorescence emitters via a cascade C–H activation process

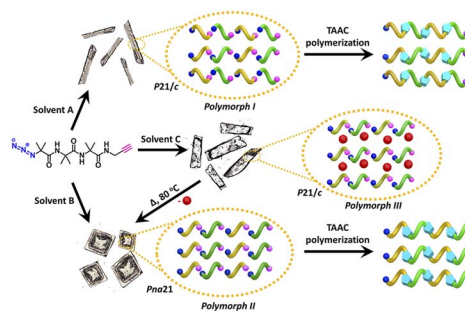
Yunxi Zhang, Zhengmei Huang, Yudong Yang, Jiahui Liu, Yang Tian, Zhengyang Bin\* and Jingsong You\*



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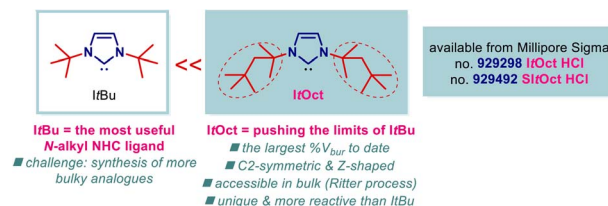
Vignesh Athiyarath, Liby Ann Mathew, Yakai Zhao, Ravichandran Khazeber, Upadrasta Ramamurty and Kana M. Sureshan\*



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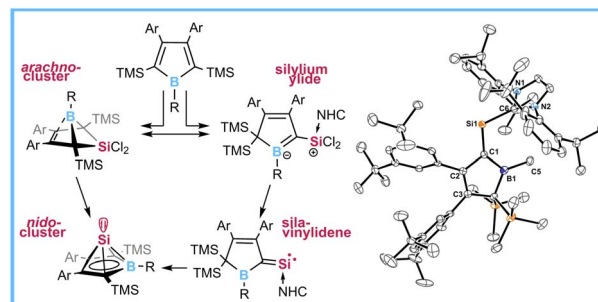
Md. Mahbubur Rahman, Guangrong Meng, Elwira Bisz, Błażej Dziuk, Roger Lalancette, Roman Szostak and Michal Szostak\*



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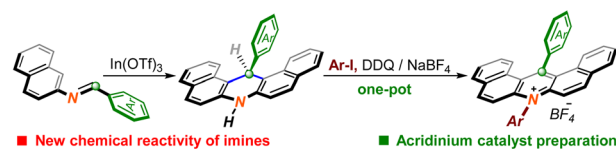
Julijan Sarcevic, Tobias Heitkemper, Paul Niklas Ruth, Leonard Naß, Maximilian Kubis, Dietmar Stalke and Christian P. Sindlinger\*



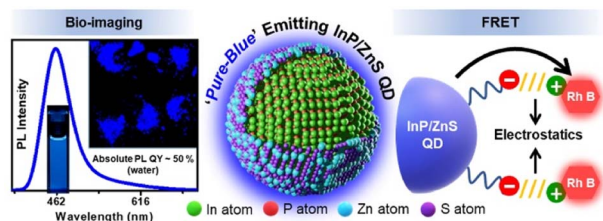
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## In(OTf)<sub>3</sub>-catalyzed reorganization/cycloaddition of two imine units and subsequent modular assembly of acridinium photocatalysts

Jiang Nan,\* Guanjie Huang, Shilei Liu, Jing Wang, Yangmin Ma and Xinjun Luan\*



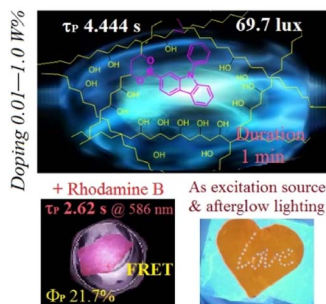
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### Blue-emitting InP quantum dots participate in an efficient resonance energy transfer process in water

Pradyut Roy, Mishika Virmani and Pramod P. Pillai\*

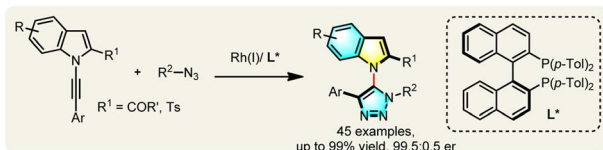
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### Rational molecular and doping strategies to obtain organic polymers with ultralong RTP

Yuefa Zhang, Shiguo Zhang, Guanyu Liu, Qikun Sun, Shanfeng Xue\* and Wenjun Yang\*

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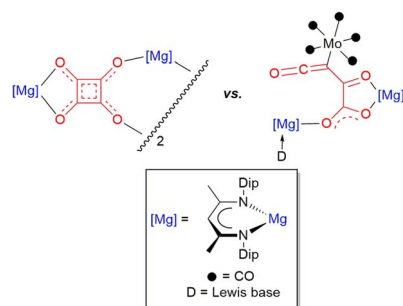


### Asymmetric rhodium-catalyzed click cycloaddition to access C–N axially chiral *N*-triazolyl indoles

Li Zhou, Yankun Li, Shunian Li, Zhenwei Shi, Xue Zhang, Chen-Ho Tung and Zhenghu Xu\*

- Atroposelective click reaction of internal alkynes
- Novel C–N axially chiral Indolyltriazole skeletons
- Broad scope with easily available Tol-BINAP ligands

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K. Yuvaraj, Jeremy C. Mullins, Thayalan Rajeshkumar, Iskander Douair, Laurent Maron\* and Cameron Jones\*

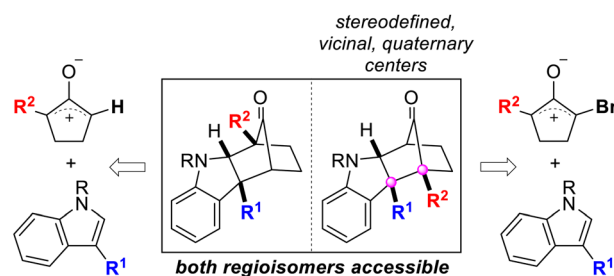




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### Regiodivergent (3 + 2) annulation reactions of oxyallyl cations

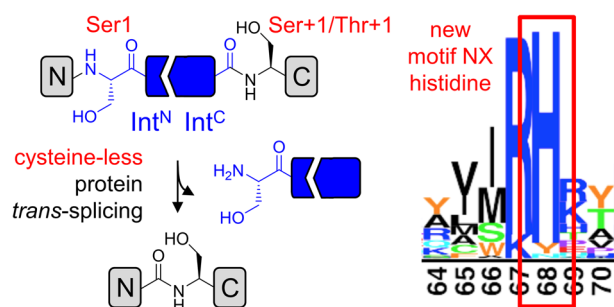
Zachary Protich, Leah L. Lowder, Russell P. Hughes\* and Jimmy Wu\*



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### Structural and biochemical analysis of a novel atypically split intein reveals a conserved histidine specific to cysteine-less inteins

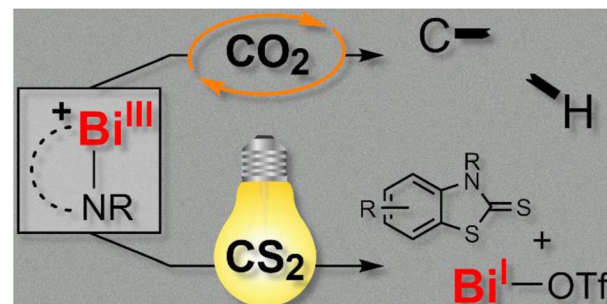
Tim Pasch, Alexander Schröder, Sabrina Kattelmann, Miriam Eisenstein, Shmuel Pietrovski,\* Daniel Kümmel\* and Henning D. Mootz\*



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Kai Oberdorf, Anna Hanft, Xiulan Xie, F. Matthias Bickelhaupt, Jordi Poater\* and Crispin Lichtenberg\*



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### A cheap metal catalyzed ring expansion/cross-coupling cascade: a new route to functionalized medium-sized and macrolactones

Shuai Liu, Pengchen Ma, Lu Zhang, Shenyu Shen, Hong-Jie Miao, Le Liu, K. N. Houk,\* Xin-Hua Duan\* and Li-Na Guo\*

