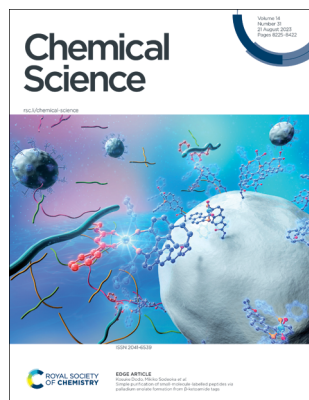


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ISSN 2041-6539 CODEN CSHCBM 14(31) 8225–8422 (2023)



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See Kosuke Dodo, Mikiko Sodeoka *et al.*, pp. 8249–8254.
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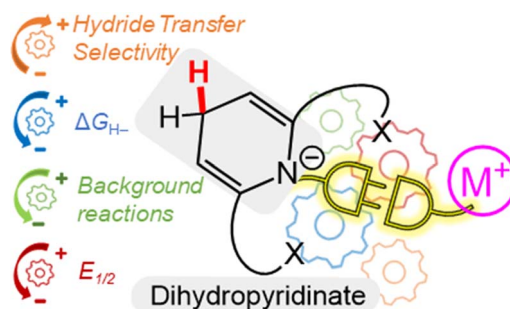
See Bina Fu, Xueming Yang, Kaijun Yuan *et al.*, pp. 8255–8261.
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PERSPECTIVE

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Metallated dihydropyridinates: prospects in hydride transfer and (electro)catalysis

Leo W. T. Parsons and Louise A. Berben*

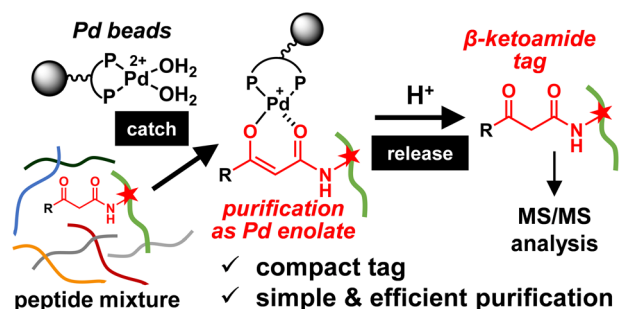


EDGE ARTICLES

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Simple purification of small-molecule-labelled peptides via palladium enolate formation from β -ketoamide tags

Kenji Hayamizu, Kota Koike, Kosuke Dodo,*
Miwako Asanuma, Hiromichi Egami and Mikiko Sodeoka*



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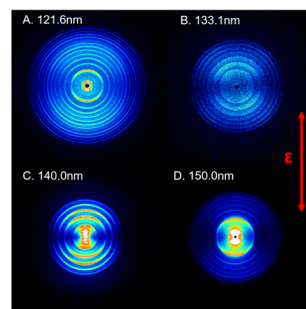
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Vacuum ultraviolet photodissociation of sulfur dioxide and its implications for oxygen production in the early Earth's atmosphere

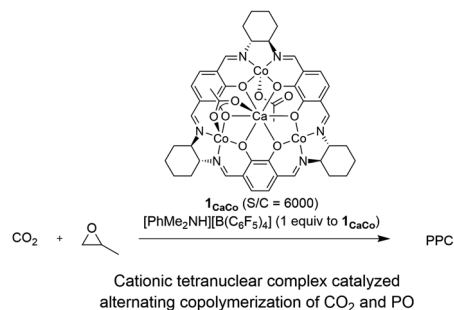
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Cationic tetranuclear macrocyclic CaCo_3 complexes as highly active catalysts for alternating copolymerization of propylene oxide and carbon dioxide

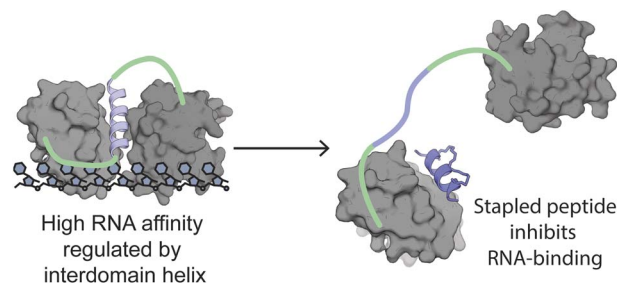
Haruki Nagae, Saki Matsushiro, Jun Okuda^{*} and Kazushi Mashima^{*}



8269

Rationally designed stapled peptides allosterically inhibit PTBP1–RNA-binding

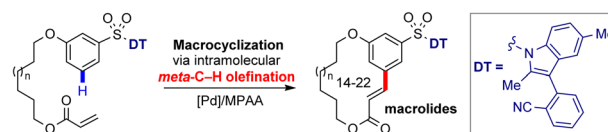
Stefan Schmeing, Gulshan Amrahova, Katrin Bigler, Jen-Yao Chang, Joseph Openy, Sunit Pal, Laura Posada, Raphael Gasper and Peter 't Hart^{*}



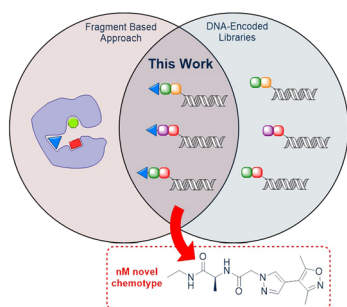
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Macrocyclization via remote *meta*-selective C–H olefination using a practical indolyl template

Pengfei Zhang, Zhiwei Jiang, Zhoulong Fan, Guoshuai Li, Qingxue Ma, Jun Huang, Jinghong Tang, Xiaohua Xu,^{*} Jin-Quan Yu^{*} and Zhong Jin^{*}



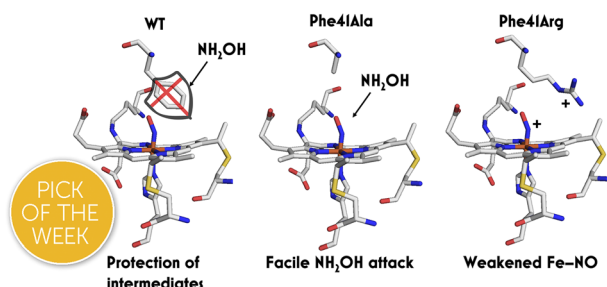
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Fragment expansion with NUDELs – poised DNA-encoded libraries

Catherine L. A. Salvini, Benoit Darlot, Jack Davison, Mathew P. Martin, Susan J. Tudhope, Shannon Turberville, Akane Kawamura, Martin E. M. Noble, Stephen R. Wedge, James J. Crawford and Michael J. Waring*

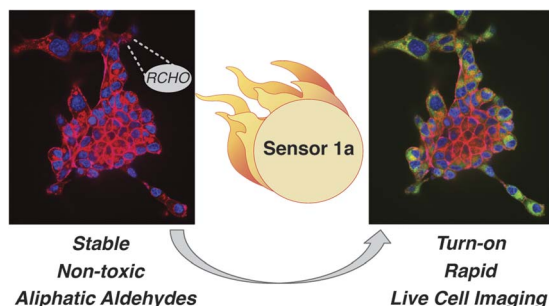
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Outer coordination sphere influences on cofactor maturation and substrate oxidation by cytochrome P460

Melissa M. Bollmeyer, Sean H. Majer, Rachael E. Coleman and Kyle M. Lancaster*

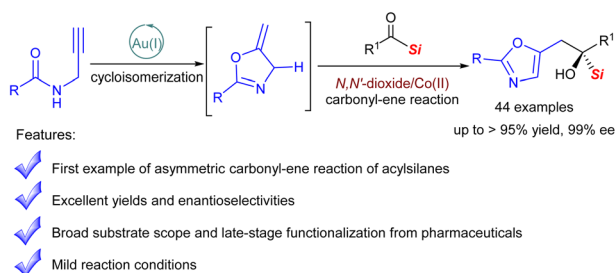
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Chemical sensors for imaging total cellular aliphatic aldehydes in live cells

Rachel Wills, Jonathan Farhi, Patrick Czabala, Sophia Shahin, Jennifer M. Spangle and Monika Raj*

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Bimetallic tandem catalysis-enabled enantioselective cycloisomerization/carbonyl-ene reaction for construction of 5-oxazoylmethyl α -silyl alcohol

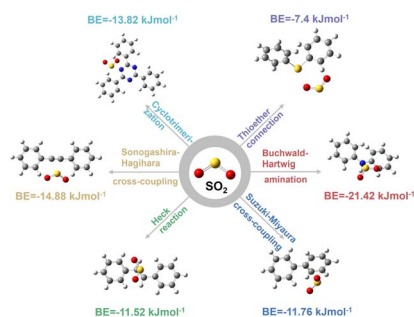
Xinpeng Sang, Yuhao Mo, Shiya Li, Xiaohua Liu, Weidi Cao* and Xiaoming Feng*



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Feasible bottom-up development of conjugated microporous polymers (CMPs) for boosting the deep removal of sulfur dioxide

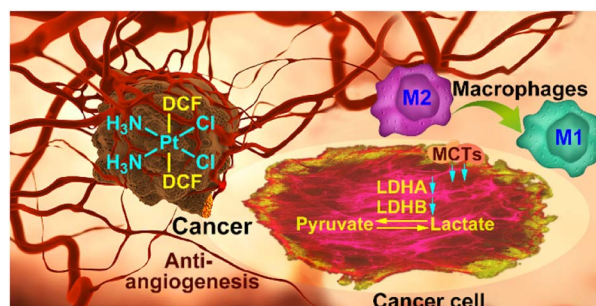
He Li, Hanqian Pan, Yijian Li, Shuaishuai Shang, Shihui Huang, Xili Cui,* Jun Hu* and Honglai Liu



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Regulating tumor glycometabolism and the immune microenvironment by inhibiting lactate dehydrogenase with platinum(IV) complexes

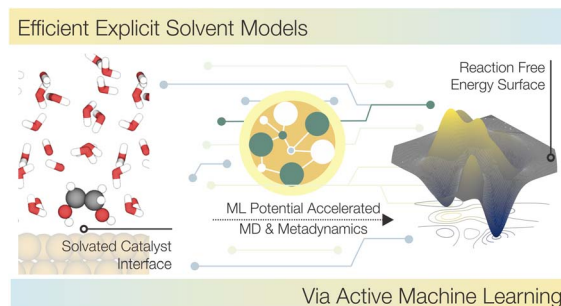
Suxing Jin, Enmao Yin, Chenyao Feng, Yuewen Sun, Tao Yang, Hao Yuan, Zijian Guo and Xiaoyong Wang*



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Accelerating explicit solvent models of heterogeneous catalysts with machine learning interatomic potentials

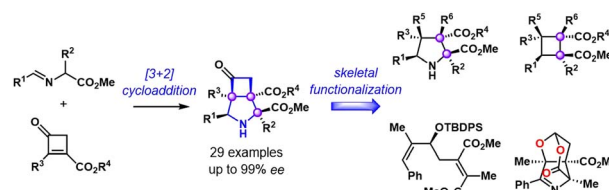
Benjamin W. J. Chen,* Xinglong Zhang* and Jia Zhang



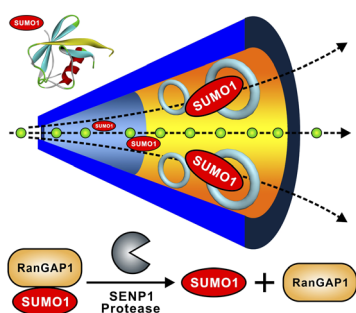
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Enantioselective [3+2]-cycloaddition of 2,3-disubstituted cyclobutenones: vicinal quaternary stereocenters construction and skeletal functionalization

Licheng Lu and Ping Lu*



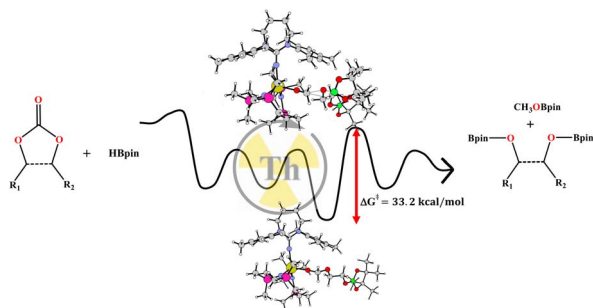
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A highly sensitive nanochannel device for the detection of SUMO1 peptides

Yue Qin, Xiaoyu Zhang, Yanling Song, Bowen Zhong, Lu Liu, Dongdong Wang, Yahui Zhang, Wenqi Lu, Xinjia Zhao, Zhiqi Jia, Minmin Li, Lihua Zhang* and Guangyan Qing*

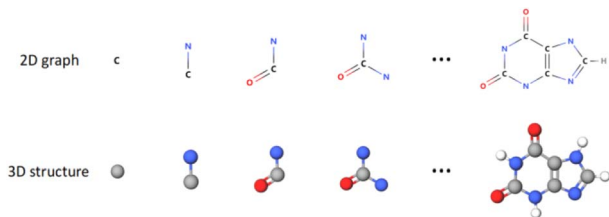
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Catalytic regeneration of metal-hydrides from their corresponding metal-alkoxides via the hydroboration of carbonates to obtain methanol and diols

Hemanta Deka, Ida Ritacco, Natalia Fridman, Lucia Caporaso* and Moris S. Eisen*

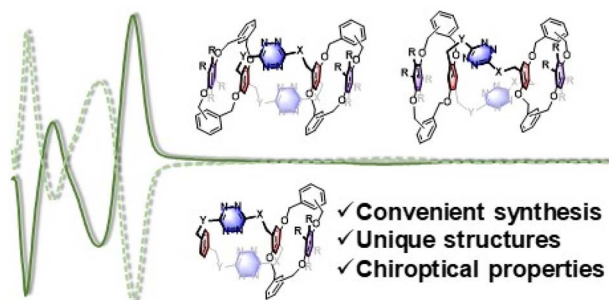
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An equivariant generative framework for molecular graph-structure Co-design

Zaixi Zhang, Qi Liu,* Chee-Kong Lee, Chang-Yu Hsieh and Enhong Chen

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Tetrahomo corona[4]arene-based spirophanes: synthesis, structure, and properties

Shen-Yi Guo, Zhuo-Ang Zhang, Shuo Tong,* Qing-Hui Guo, Ruimao Hua and Mei-Xiang Wang*

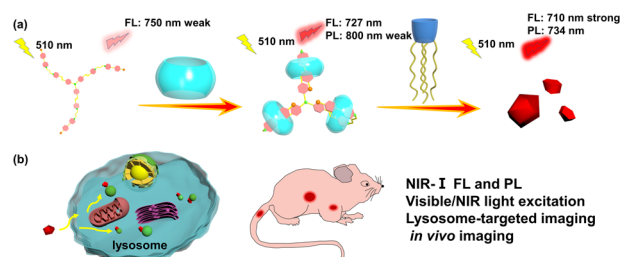
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- ✓ Unique structures
- ✓ Chiroptical properties



8401

Conformationally confined three-armed supramolecular folding for boosting near-infrared biological imaging

Hui-Juan Wang, Meng-Meng Zheng, Wen-Wen Xing, Yong-Xue Li, Yao-Yao Wang, Hongjie Zhu, Ying-Ming Zhang,* Qilin Yu* and Yu Liu*



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The H-NOX protein structure adapts to different mechanisms in sensors interacting with nitric oxide

Byung-Kuk Yoo, Sergei G. Kruglik, Jean-Christophe Lambry, Isabelle Lamarre, C. S. Raman, Pierre Nioche and Michel Negrerie*

