

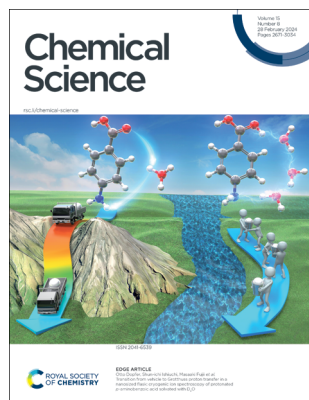
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See Otto Dopfer, Shun-ichi Ishiuchi, Masaaki Fujii *et al.*, pp. 2725–2730. Image reproduced by permission of Masaaki Fujii from *Chem. Sci.*, 2024, **15**, 2725.



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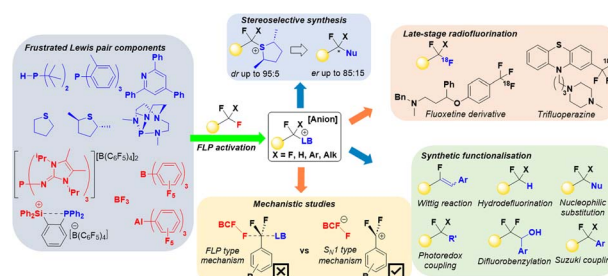
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Fundamental questions
Elemental answers

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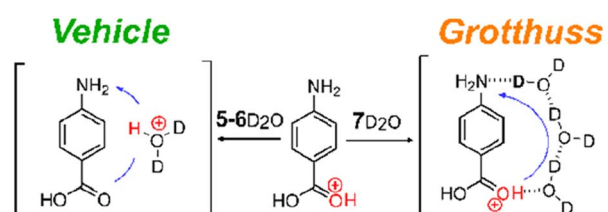
A review of frustrated Lewis pair enabled monoselective C–F bond activation

Kenneth Lye and Rowan D. Young*



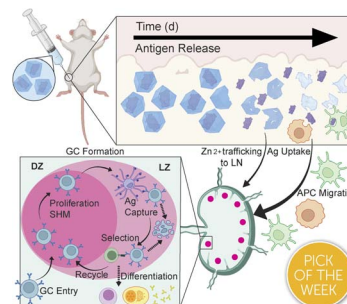
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Shun-ichi Ishiuchi* and Masaaki Fujii*

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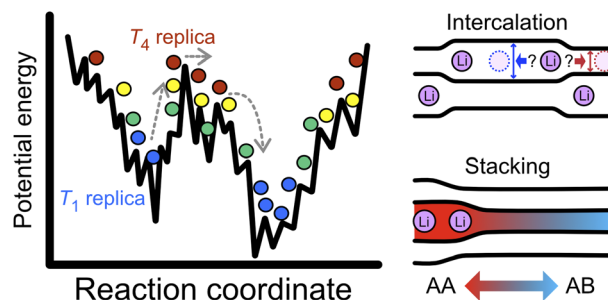
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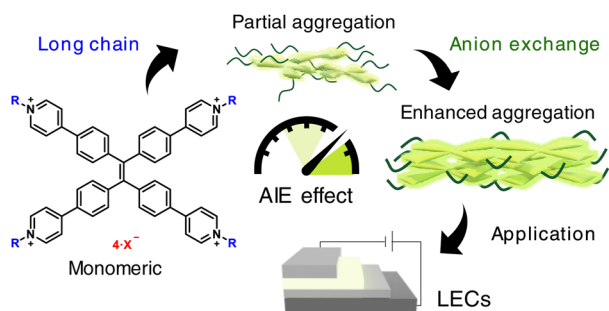
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Heesoo Park,* David S. Wragg and Alexey Y. Kuposov*



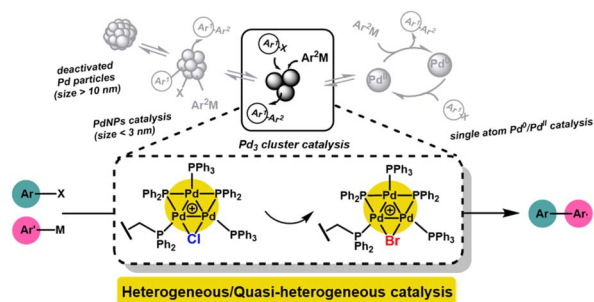
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Alba Sanz-Velasco, Olivia Amargós-Reyes, Aya Kähäri, Sophia Lipinski, Luca M. Cavinato, Rubén D. Costa,* Mauri A. Kostianen and Eduardo Anaya-Plaza*

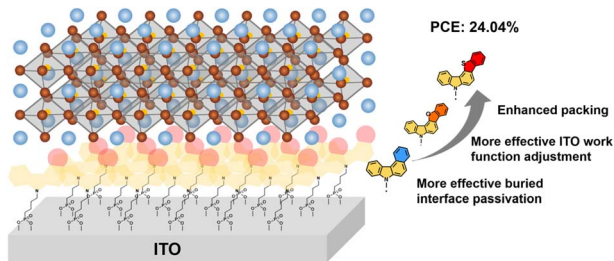
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Neda Jeddi, Neil W. J. Scott, Theo Tanner, Simon K. Beaumont* and Ian J. S. Fairlamb*

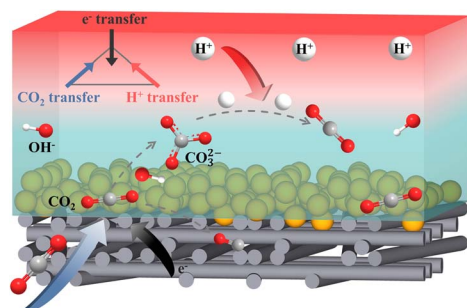
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Wenlin Jiang, Ming Liu, Yanxun Li, Francis R. Lin and Alex K.-Y. Jen*

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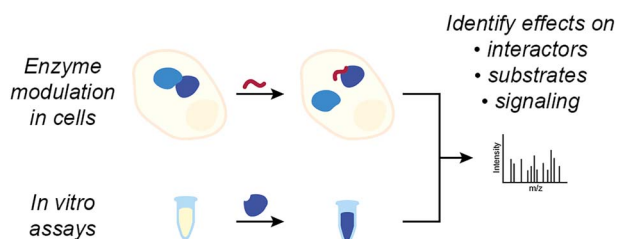
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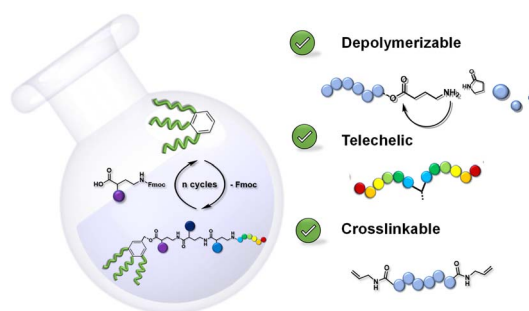
Bernhard Hoermann, Eva-Maria Dürr, Christina Ludwig, Melda Ercan and Maja Köhn*



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Telechelic sequence-defined oligoamides: their step-economical synthesis, depolymerization and use in polymer networks

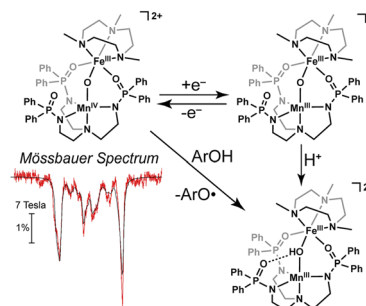
Irene De Franceschi, Nezha Badi* and Filip E. Du Prez*



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Accessing a synthetic Fe^{III}Mn^{IV} core to model biological heterobimetallic active sites

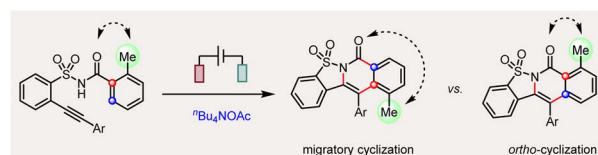
Justin L. Lee, Saborni Biswas, Joseph W. Ziller, Emile L. Bominaar, Michael P. Hendrich and A. S. Borovik*



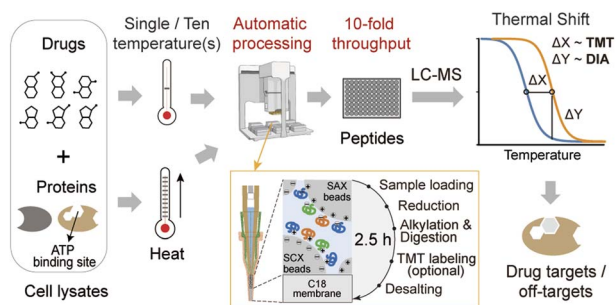
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Zhaojiang Shi, Shicheng Dong, Ting Liu, Wei-Zhen Wang, Nan Li, Yaofeng Yuan, Jun Zhu* and Ke-Yin Ye*



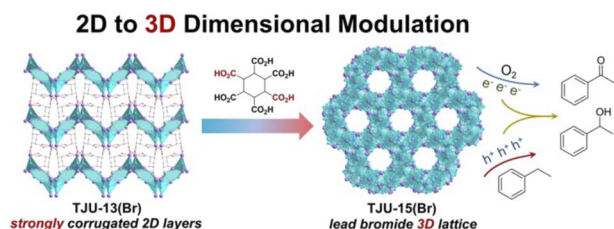
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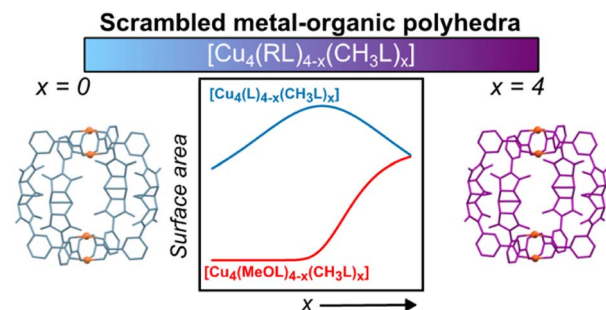
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Promoting the formation of metal–carboxylate coordination to modulate the dimensionality of ultrastable lead halide hybrids

Yilin Jiang, Jinlin Yin, Ruonan Xi and Honghan Fei*

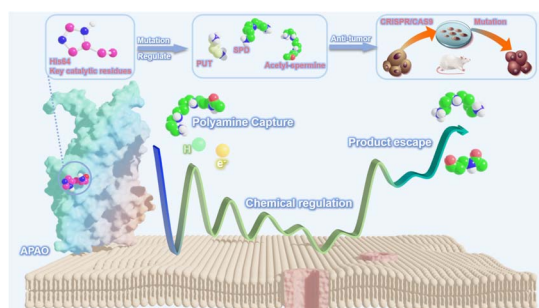
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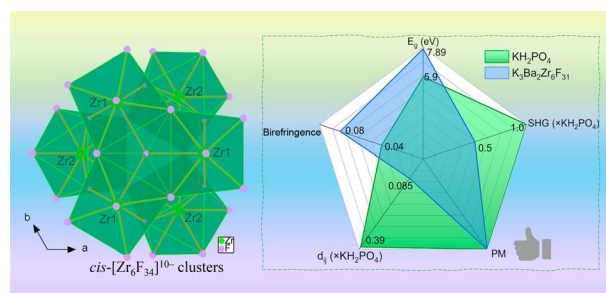
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Exploring a new short-wavelength nonlinear optical fluoride material featuring unprecedented polar *cis*-[Zr₆F₃₄]¹⁰⁻ clusters

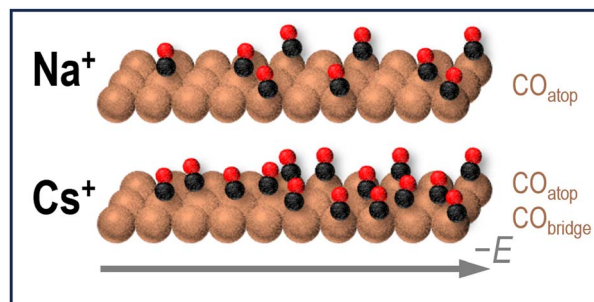
Mei Yan, Ru-Ling Tang,* Wen-Dong Yao, Wenlong Liu and Sheng-Ping Guo*



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Studying the cation dependence of CO₂ reduction intermediates at Cu by *in situ* VSG spectroscopy

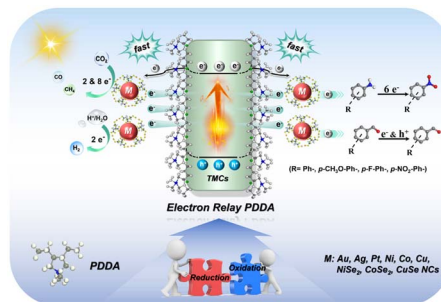
Liam C. Banerji, Hansaem Jang, Adrian M. Gardner and Alexander J. Cowan*



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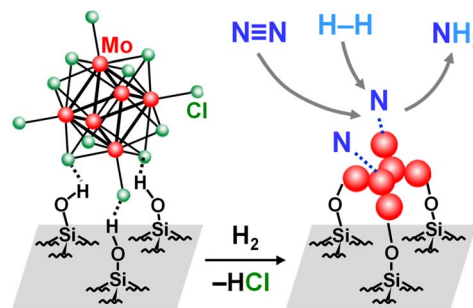
Xian Yan, Jun-Hao Dong, Jing-Ying Zheng, Yue Wu and Fang-Xing Xiao*



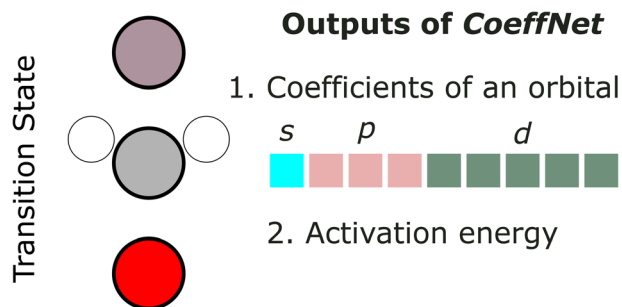
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Catalytic ammonia synthesis on HY-zeolite-supported angstrom-size molybdenum cluster

Satoshi Kamiguchi,* Kiyotaka Asakura, Tamaki Shibayama, Tomoko Yokaichiya, Tatsushi Ikeda, Akira Nakayama,* Ken-ichi Shimizu and Zhaomin Hou



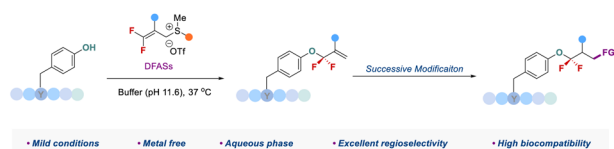
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CoeffNet: predicting activation barriers through a chemically-interpretable, equivariant and physically constrained graph neural network

Sudarshan Vijay, Maxwell C. Venetos, Evan Walter Clark Spotte-Smith, Aaron D. Kaplan, Mingjian Wen and Kristin A. Persson*

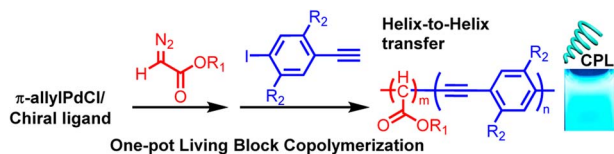
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Late-stage *gem*-difluoroallylation of phenol in bioactive molecules and peptides with 3,3-difluoroallyl sulfonium salts

Minqi Zhou, Jin-Xiu Ren, Xiao-Tian Feng, Hai-Yang Zhao, Xia-Ping Fu, Qiao-Qiao Min and Xingang Zhang*

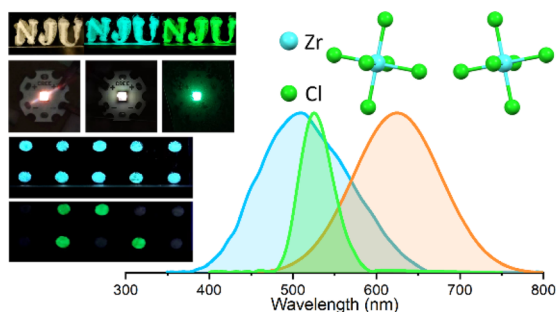
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One-pot asymmetric living copolymerization-induced chiral self-assemblies and circularly polarized luminescence

Run-Tan Gao, Shi-Yi Li, Bing-Hao Liu, Zheng Chen, Na Liu,* Li Zhou and Zong-Quan Wu*

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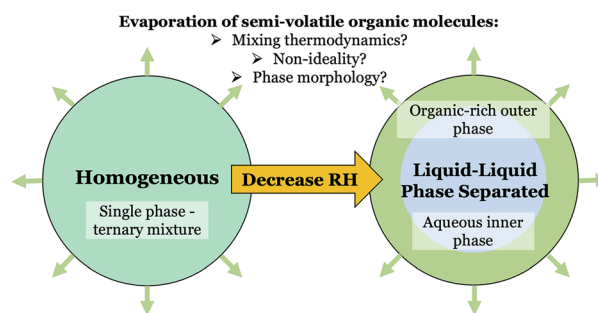
Chuying Wang, Wen Meng, Guigen Luo, Guangyong Xu, Min Peng, Bin Xu, Shuming Nie and Zhengtao Deng*



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Probing the evaporation dynamics of semi-volatile organic compounds to reveal the thermodynamics of liquid–liquid phase separated aerosol

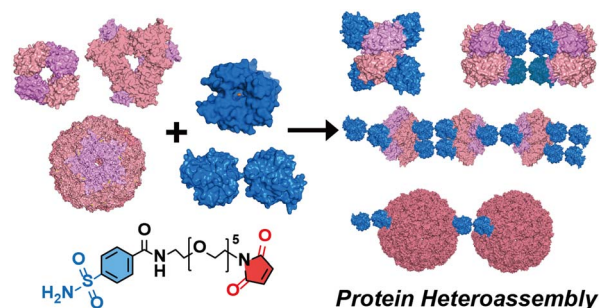
Jack M. Choczynski, Bilal Shokoor, Jorge Salazar, Andreas Zuend and James F. Davies*



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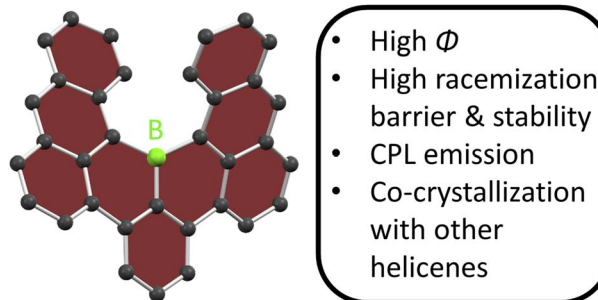
Soyeun Son and Woon Ju Song*



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A highly fluorescent bora[6]helicene exhibiting circularly polarized light emission

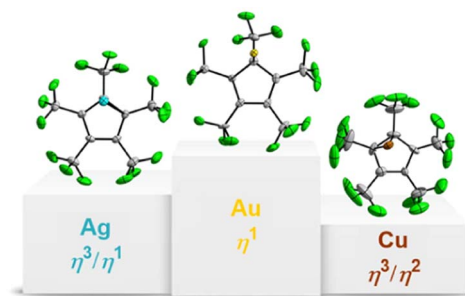
Matthias Schnitzlein, Kazutaka Shoyama and Frank Würthner*



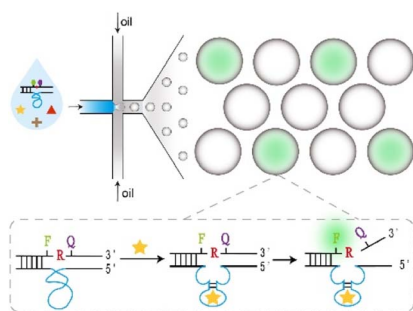
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Synthesis and structural characterization of stable coinage metal (Cu, Ag, Au) cyclopentadienyl complexes

Robin Sievers, Marc Reimann, Nico G. Kub, Susanne M. Rupf, Martin Kaupp and Moritz Malischewski*



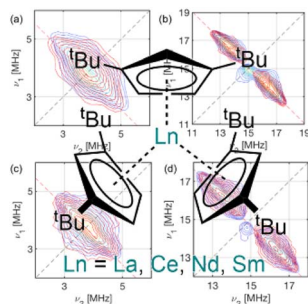
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A DNAzymes-in-droplets assay for *Burkholderia gladioli pathovar cocovenenans* with single-bacterium sensitivity

Xiaoqian Li, Yangyang Chang, Yunping Wu and Meng Liu*

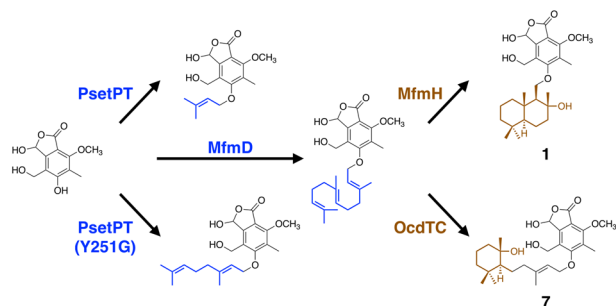
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Metal-carbon bonding in early lanthanide substituted cyclopentadienyl complexes probed by pulsed EPR spectroscopy

Lydia E. Nodaraki, Jingjing Liu, Ana-Maria Ariciu, Fabrizio Ortu, Meagan S. Oakley, Letitia Birnoschi, Gemma K. Gransbury, Philip J. Cobb, Jack Emerson-King, Nicholas F. Chilton,* David P. Mills,* Eric J. L. McInnes* and Floriana Tuna*

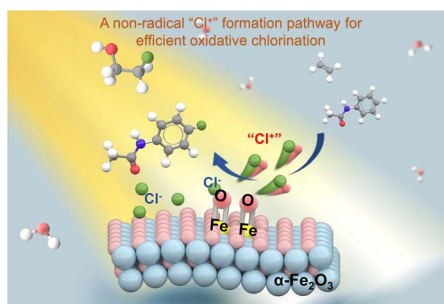
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Global genome mining-driven discovery of an unusual biosynthetic logic for fungal polyketide-terpenoid hybrids

Dexiu Yan and Yudai Matsuda*

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Daojian Tang, Lei Wu, Liubo Li, Niankai Fu, Chuncheng Chen, Yuchao Zhang* and Jincui Zhao



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 ^{109}Ag NMR chemical shift as a descriptor for Brønsted acidity from molecules to materials

Colin Hansen, Scott R. Docherty, Weicheng Cao, Alexander V. Yakimov and Christophe Copéret*

