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ISSN 2041-6539 CODEN CSHCBM 15(3) 783–1164 (2024)



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See Yasutaka Kuwahara, Hiromi Yamashita *et al.*, pp. 854–878. Image reproduced by permission of Yasutaka Kuwahara from *Chem. Sci.*, 2024, 15, 854.



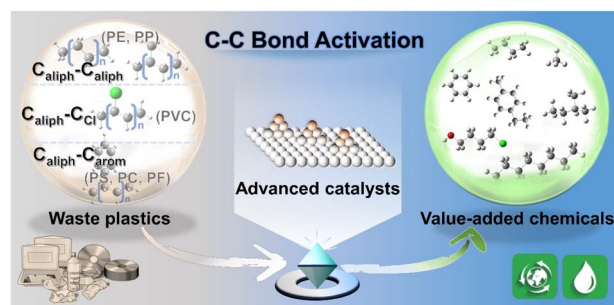
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See Yu Wang *et al.*, pp. 896–905. Image reproduced by permission of Yu Wang from *Chem. Sci.*, 2024, 15, 896.

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Hongshun Ran, Shuo Zhang, Wenyi Ni and Yaxuan Jing*



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Victoria Lohmann, Glen R. Jones, Nghia P. Truong and Athina Anastasaki*



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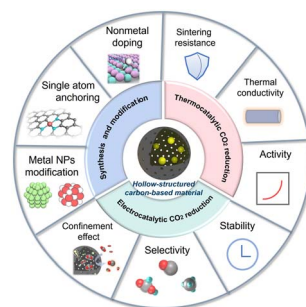
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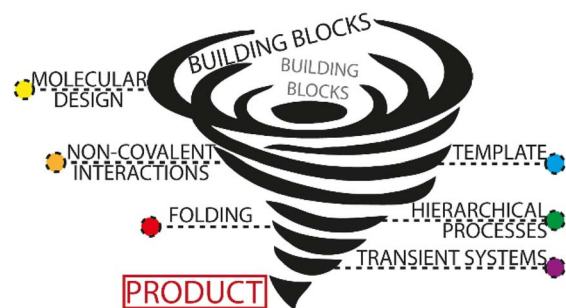
Kaining Li, Yasutaka Kuwahara* and Hiromi Yamashita*



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Fabien B. L. Cougnon,* Artur R. Stefankiewicz* and Sébastien Ulrich*

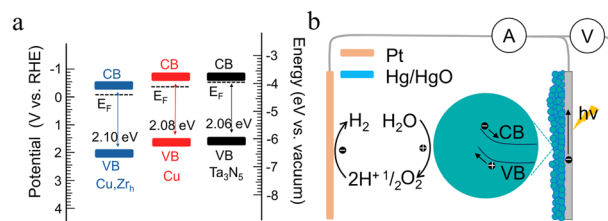


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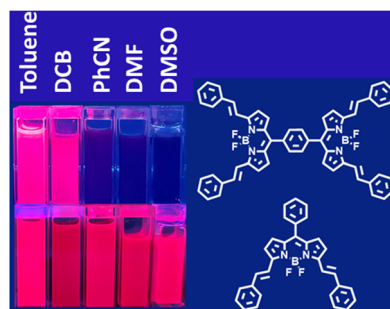
Xiaodong Wang, Huijuan Zhang, Chuanzhen Feng and Yu Wang*



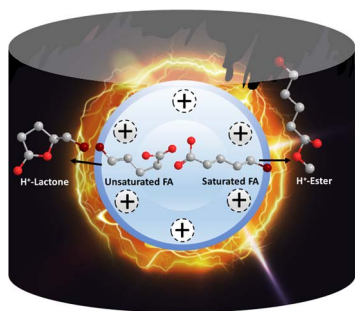
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Symmetry breaking charge transfer leading to charge separation in a far-red absorbing bisstyryl-BODIPY dimer

Aida Yahagh, Ram R. Kaswan, Shahrzad Kazemi, Paul A. Karr and Francis D'Souza*



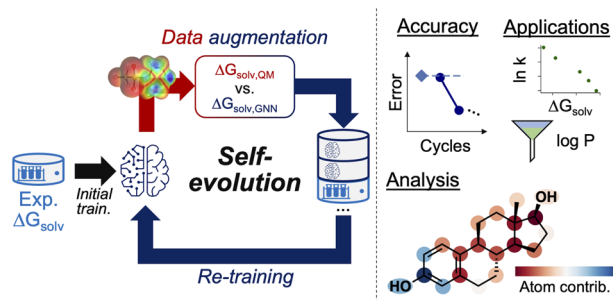
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Charge inversion under plasma-nanodroplet reaction conditions excludes Fischer esterification for unsaturated fatty acids: a chemical approach for type II isobaric overlap

Dmytro S. Kulyk, Glib V. Baryshnikov, Purva S. Damale, Simon Maher and Abraham K. Badu-Tawiah*

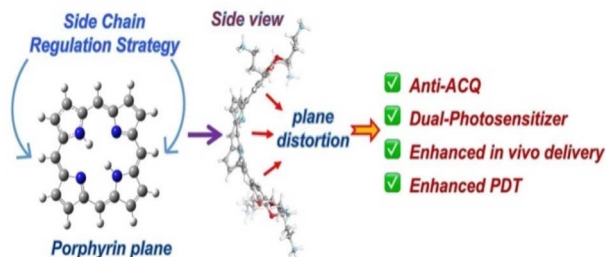
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Designing solvent systems using self-evolving solubility databases and graph neural networks

Yeonjoon Kim, Hojin Jung, Sabari Kumar, Robert S. Paton and Seonah Kim*

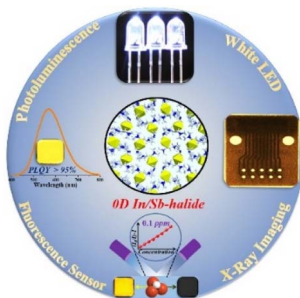
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Suppressing ACQ of molecular photosensitizers by distorting the conjugated-plane for enhanced tumor photodynamic therapy

Han Sun, Lukun Li, Ruihua Guo, Zhe Wang,* Yanhui Guo, Zhiliang Li* and Fengling Song*

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A 0D hybrid lead-free halide with near-unity photoluminescence quantum yield toward multifunctional optoelectronic applications

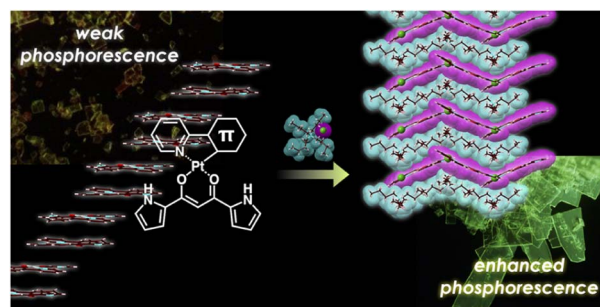
Dong-Yang Li, Huai-Yuan Kang, Yu-Hang Liu, Jie Zhang, Cheng-Yang Yue, Dongpeng Yan* and Xiao-Wu Lei*



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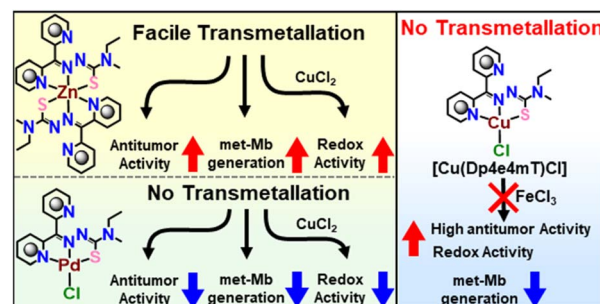
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Differential transmetalation of complexes of the anti-cancer thiosemicarbazone, Dp4e4mT: effects on anti-proliferative efficacy, redox activity, oxy-myoglobin and oxy-hemoglobin oxidation

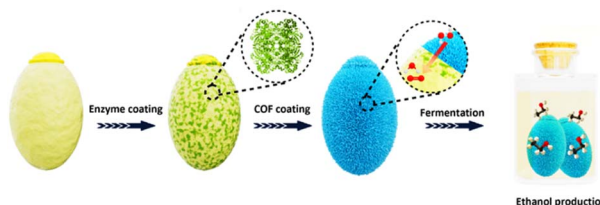
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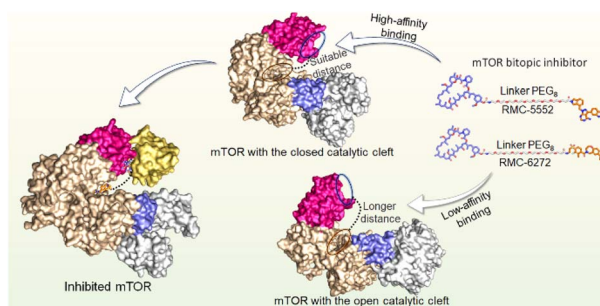
Jieying Liang,* Qianfan Chen, Joel Yong, Hiroki Suyama, Joanna Biazik, Bosiljka Njegic, Aditya Rawal and Kang Liang*



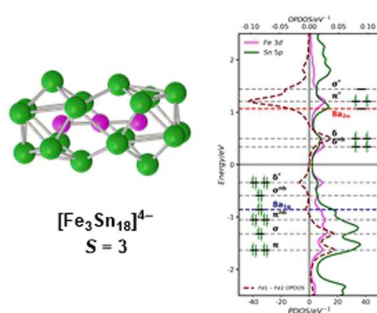
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The allosteric mechanism of mTOR activation can inform bitopic inhibitor optimization

Yonglan Liu, Mingzhen Zhang, Hyunbum Jang and Ruth Nussinov*



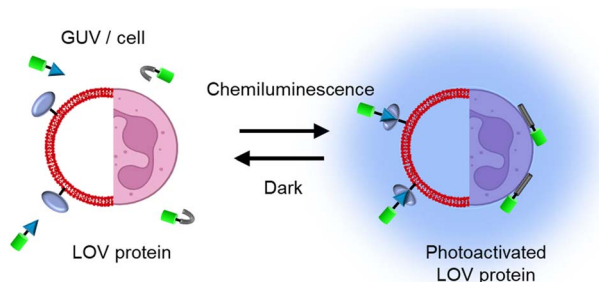
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Snap-shots of cluster growth: structure and properties of a Zintl ion with an Fe_3 core, $[\text{Fe}_3\text{Sn}_{18}]^{4-}$

Zi-Sheng Li, Wei-Xing Chen, Harry W. T. Morgan, Cong-Cong Shu, John E. McGrady* and Zhong-Ming Sun*

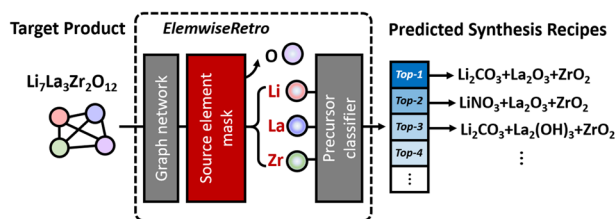
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Photoactivation of LOV domains with chemiluminescence

Yuhao Ji, Ali Heidari, Brice Nzigou Mombo and Seraphine V. Wegner*

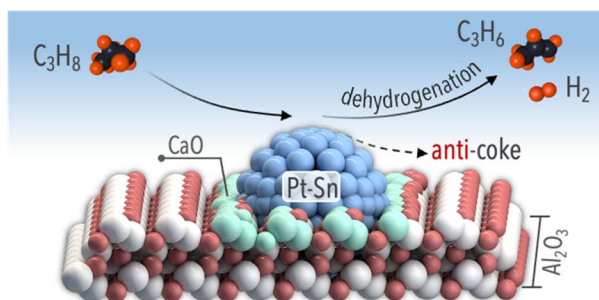
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Predicting synthesis recipes of inorganic crystal materials using elementwise template formulation

Seongmin Kim, Juhwan Noh, Geun Ho Gu, Shuan Chen and Yousung Jung*

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Alkaline-earth ion stabilized sub-nano-platinum tin clusters for propane dehydrogenation

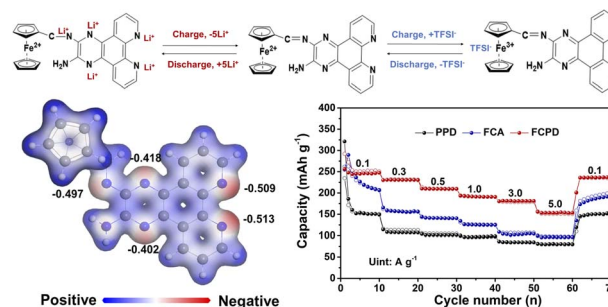
Zhenpu Lu, Ran Luo, Sai Chen, Donglong Fu, Guodong Sun, Zhi-Jian Zhao, Chunlei Pei* and Jinlong Gong*



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Design of a bipolar organic small-molecule cathode with mesoporous nanospheres structure for long lifespan and high-rate Li-storage performance

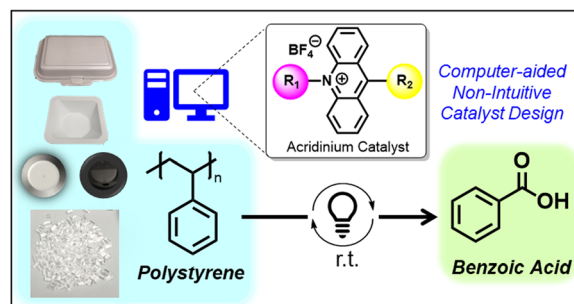
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Enhancing the photocatalytic upcycling of polystyrene to benzoic acid: a combined computational-experimental approach for acridinium catalyst design

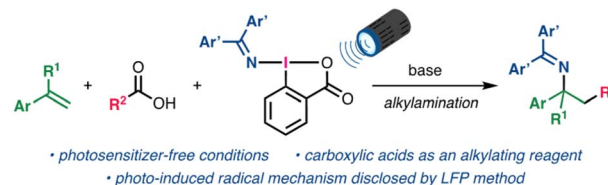
Albert Ong, Zi Cheng Wong, Kang Le Osmund Chin, Wei Wei Loh, Ming Hui Chua,* Shi Jun Ang* and Jason Y. C. Lim*



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Photoexcitation of (diarylmethylene)amino benziodoxolones for alkylation of styrene derivatives with carboxylic acids

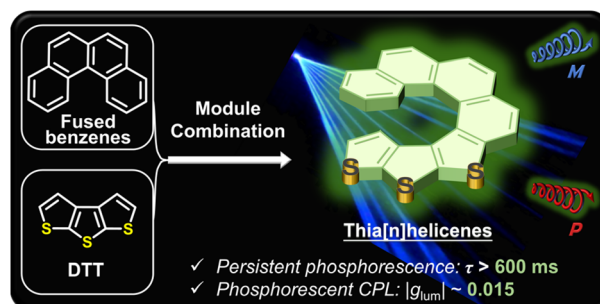
Daichi Okumatsu, Kensuke Kiyokawa,* Linh Tran Bao Nguyen, Manabu Abe* and Satoshi Minakata*



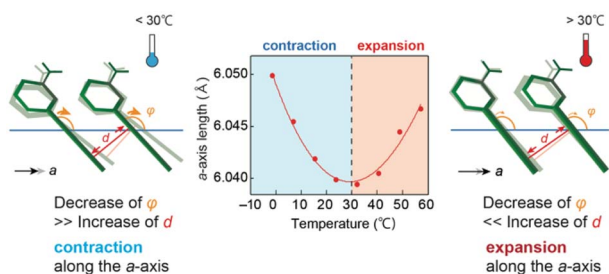
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Thia[n]helicenes with long persistent phosphorescence

Zhen Sun, Wan Xu, Shuai Qiu, Zhiying Ma, Chunli Li, Sheng Zhang* and Hua Wang*



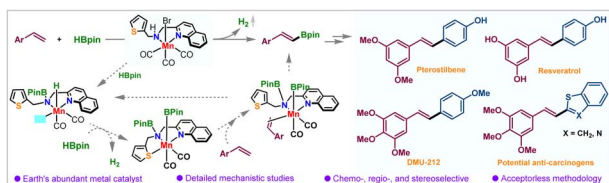
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Negative to positive axial thermal expansion switching of an organic crystal: contribution to multistep photoactuation

Shodai Hasebe, Yuki Hagiwara, Takashi Ueno, Toru Asahi and Hideko Koshima*

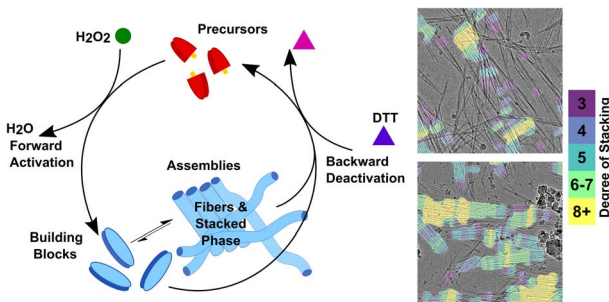
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Catalytic acceptorless dehydrogenative borylation of styrenes enabled by a molecularly defined manganese complex

Kuhali Das, Abhishek Kundu, Koushik Sarkar, Debashis Adhikari* and Biplab Maji*

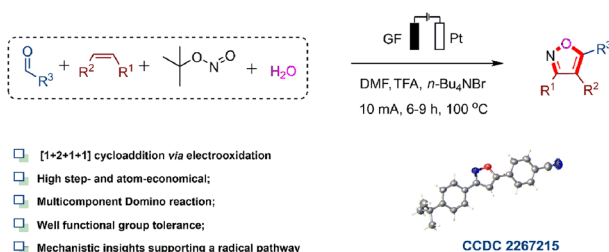
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CryoEM reveals the complex self-assembly of a chemically driven disulfide hydrogel

Paul Joshua Hurst, Justin T. Mulvey, Rebecca A. Bone, Serxho Selmani, Redford F. Hudson, Zhibin Guan, Jason R. Green and Joseph P. Patterson*

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Electrochemical assembly of isoxazoles via a four-component domino reaction

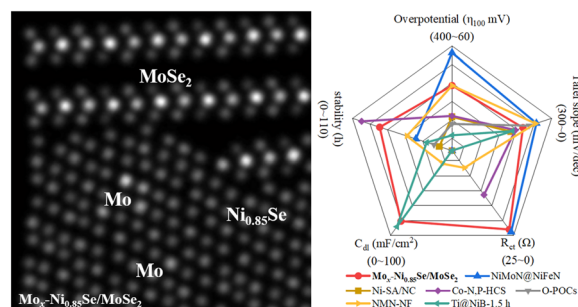
Yuanyuan Zhao, Xinyue Li, Simon L. Homölle, Bin Wang* and Lutz Ackermann*



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Mo-doping heterojunction: interfacial engineering in an efficient electrocatalyst for superior simulated seawater hydrogen evolution

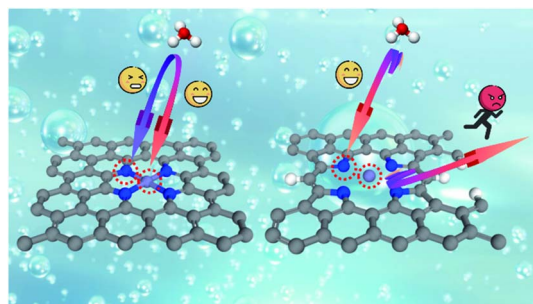
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The role of nitrogen sources and hydrogen adsorption on the dynamic stability of Fe–N–C catalysts in oxygen reduction reaction

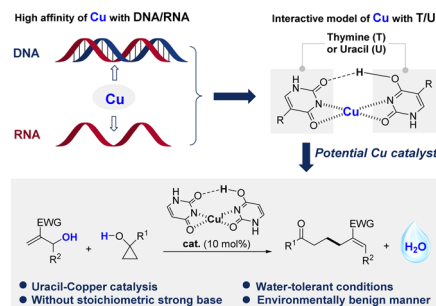
Zhou Huang, Fuhua Li, Yongduo Liu, Siguo Chen, Zidong Wei* and Qing Tang*



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Uracil-Cu(I) catalyst: allylation of cyclopropanols with Morita–Baylis–Hillman alcohols under water-tolerant conditions

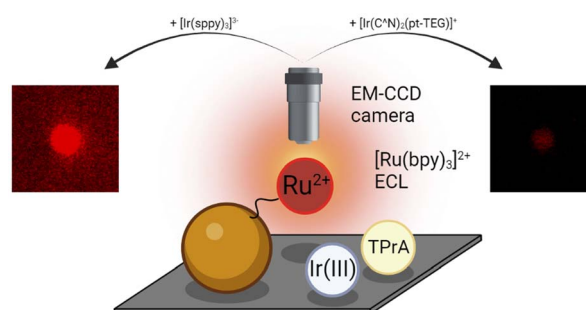
Jingwei Hou, Xiaohong Li, Kaiyu Yan, Lei Zhang,* Teck-Peng Loh* and Peizhong Xie*



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Redox-mediated electrochemiluminescence enhancement for bead-based immunoassay

Alessandro Fracassa, Claudio Ignazio Santo, Emily Kerr, Sara Knežević, David J. Hayne, Paul S. Francis, Frederic Kanoufi, Neso Sojic, Francesco Paolucci and Giovanni Valentini*



CORRECTIONS

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Correction: When SF₅ outplays CF₃: effects of pentafluorosulfanyl decorated scorpionates on copper

Anurag Noonikara-Poyil, Alvaro Muñoz-Castro, Andrii Boretskyi, Pavel K. Mykhailiuk* and H. V. Rasika Dias*

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Correction: Synthetic ramoplanin analogues are accessible by effective incorporation of arylglycines in solid-phase peptide synthesis

Edward Marschall, Rachel W. Cass, Komal M. Prasad, James D. Swarbrick, Alasdair I. McKay, Jennifer A. E. Payne, Max J. Cryle* and Julien Tailhades*

