

Chem Soc Rev

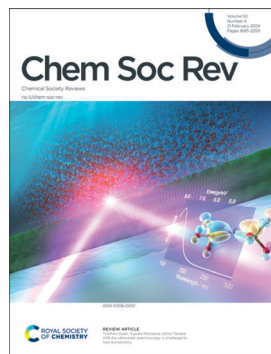
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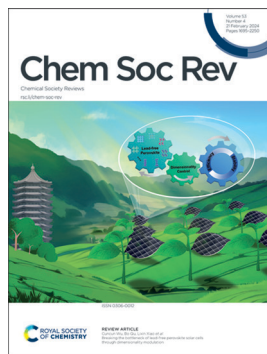
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See Yukihiro Ozaki, Yusuke Morisawa and Ichiro Tanabe, pp. 1730–1768. Image reproduced by permission of Yukihiro Ozaki from *Chem. Soc. Rev.*, 2024, 53, 1730.



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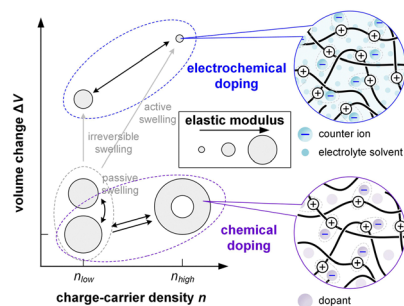
See Cuncun Wu, Bo Qu, Lixin Xiao *et al.*, pp. 1769–1788. Image reproduced by permission of Lixin Xiao from *Chem. Soc. Rev.*, 2024, 53, 1769.

TUTORIAL REVIEW

1702

Impact of doping on the mechanical properties of conjugated polymers

Sri Harish Kumar Paleti, Youngseok Kim, Joost Kimpel, Mariavittoria Craighero, Shuichi Haraguchi and Christian Müller*

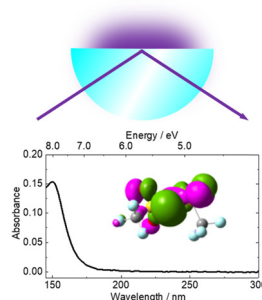


REVIEW ARTICLES

1730

ATR-far-ultraviolet spectroscopy: a challenge to new σ chemistry

Yukihiro Ozaki,* Yusuke Morisawa* and Ichiro Tanabe*



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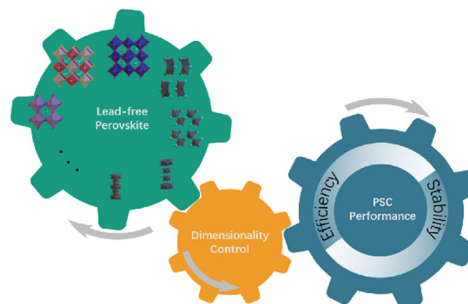
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1769

Breaking the bottleneck of lead-free perovskite solar cells through dimensionality modulation

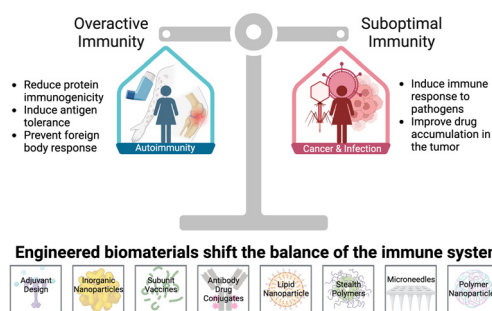
Wenjin Yu, Yu Zou, Hantao Wang, Siyuan Qi, Cuncun Wu,* Xinyu Guo, Yueli Liu, Zhijian Chen, Bo Qu* and Lixin Xiao*



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Therapeutic synthetic and natural materials for immunoengineering

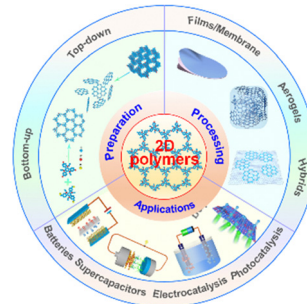
Anna Slezak, Kevin Chang, Samir Hossainy, Aslan Mansurov, Stuart J. Rowan, Jeffrey A. Hubbell* and Mustafa O. Guler*



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Recent advances in two-dimensional polymers: synthesis, assembly and energy-related applications

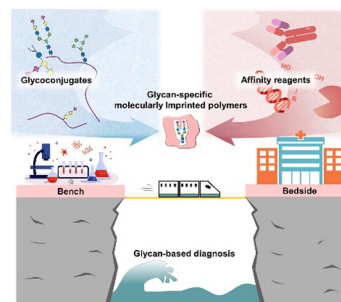
Yumei Ren and Yuxi Xu*



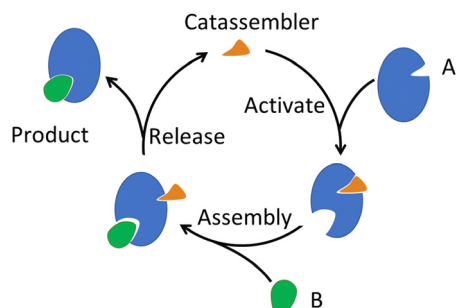
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Glycan-specific molecularly imprinted polymers towards cancer diagnostics: merits, applications, and future perspectives

Pengfei Li and Zhen Liu*



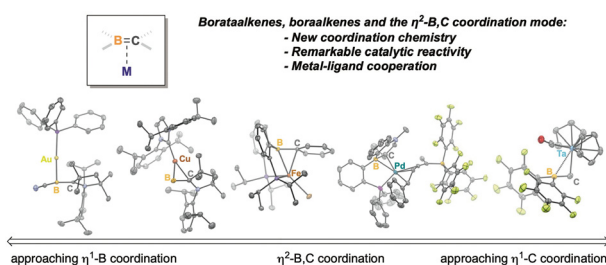
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What can molecular assembly learn from catalysed assembly in living organisms?

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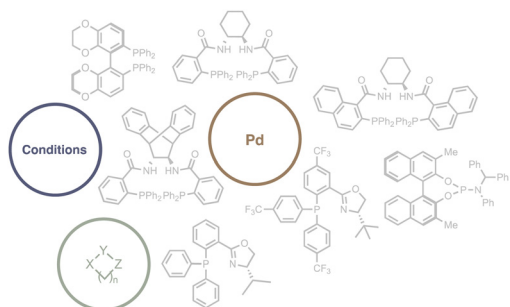
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Borataalkenes, boraalkenes, and the η^2 -B,C coordination mode in coordination chemistry and catalysis

Maxwell Eaton, Yuanzhe Zhang and Shih-Yuan Liu*

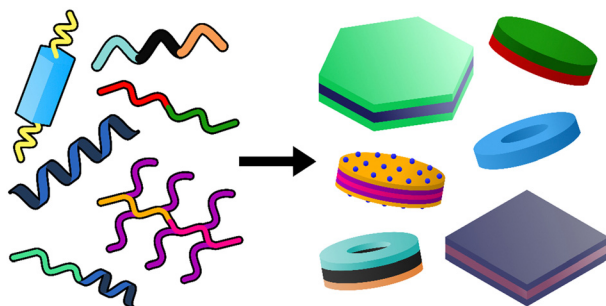
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Pd-Catalysed asymmetric allylic alkylation of heterocycles: a user's guide

François Richard, Paul Clark, Al Hannam, Thomas Keenan, Alexandre Jean and Stelios Arseniyadis*

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Nanoscale polymer discs, toroids and platelets: a survey of their syntheses and potential applications

Emma R. L. Brisson, Max J. H. Worthington, Simran Kerai and Markus Müllner*

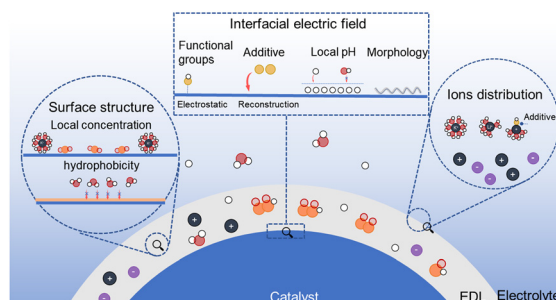


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Local reaction environment in electrocatalysis

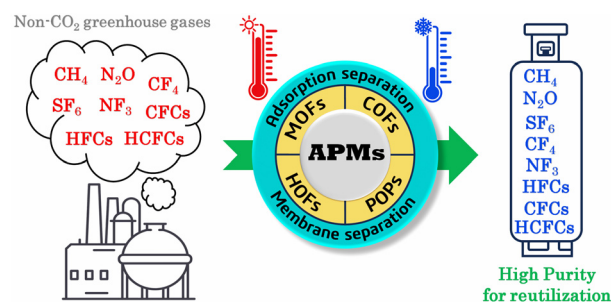
Chaojie Chen, Huanyu Jin, Pengtang Wang, Xiaogang Sun, Mietek Jaroniec, Yao Zheng* and Shi-Zhang Qiao*



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Non-CO₂ greenhouse gas separation using advanced porous materials

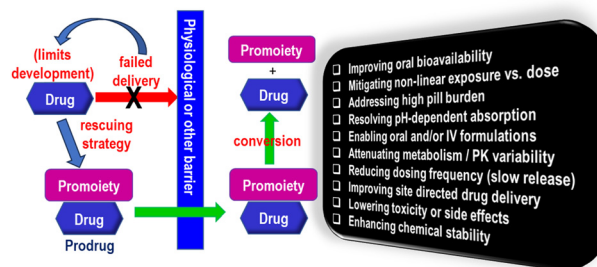
Yan-Long Zhao, Xin Zhang,* Mu-Zi Li and Jian-Rong Li*



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Prodrugs as empowering tools in drug discovery and development: recent strategic applications of drug delivery solutions to mitigate challenges associated with lead compounds and drug candidates

Murugaiah A. M. Subbaiah,* Jarkko Rautio and Nicholas A. Meanwell



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High-entropy rare earth materials: synthesis, application and outlook

Hao Fu, Yong Jiang, Mengzhen Zhang, Ziyun Zhong, Zhong Liang, Siyuan Wang, Yaping Du* and Chunhua Yan

