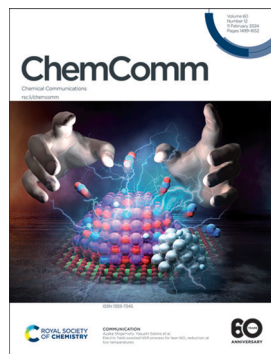


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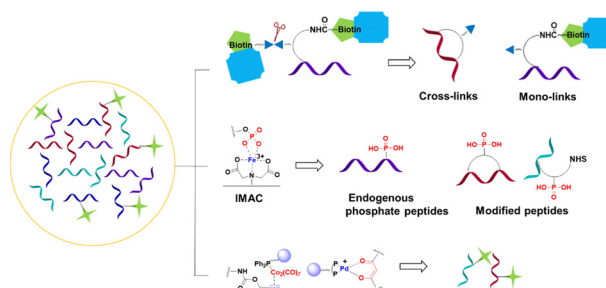
See Ayaka Shigemoto, Yasushi Sekine *et al.*, pp. 1563–1566. Image reproduced by permission of Ayaka Shigemoto from *Chem. Commun.*, 2024, 60, 1563.

## HIGHLIGHT

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### Chemical reagents for the enrichment of modified peptides in MS-based identification

Shangwei Huangfu, Xianqiang Yu, Ziyu Sun, Biao Jiang\* and Hongli Chen\*

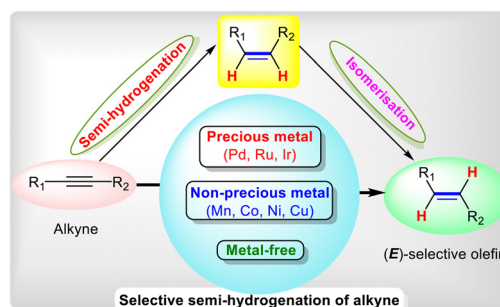


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### Recent advances in the selective semi-hydrogenation of alkyne to (E)-olefins

Motahar Sk, Shuvojit Halder, Sourajit Bera and Debasis Banerjee\*



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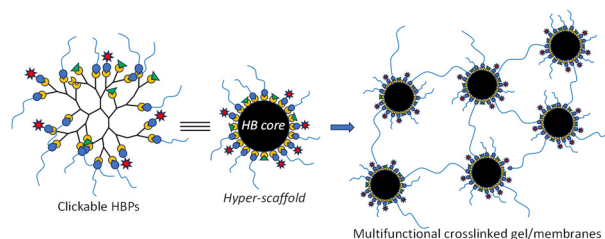
Fundamental questions  
Elemental answers

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**Hyperbranched polymers: growing richer in flavours with time**

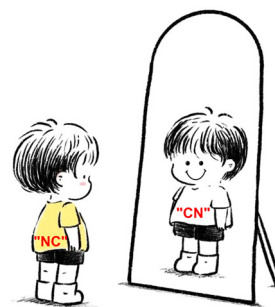
Arun Kumar Gayen, Runa Singla and S. Ramakrishnan\*



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**Cyanation with isocyanides: recent advances and perspectives**

Yingying Shan,\* Xiuhua Zhang, Gongle Liu, Jianming Li, Yongwei Liu, Jia Wang and Dianpeng Chen\*

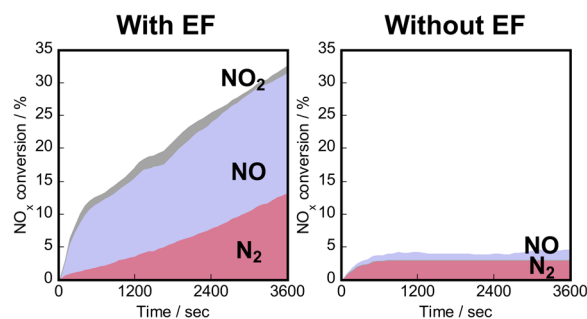


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**Electric field-assisted NSR process for lean  $\text{NO}_x$  reduction at low temperatures**

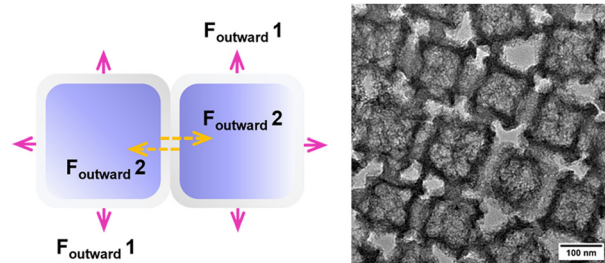
Ayaka Shigemoto,\* Yuki Inoda, Chihiro Ukai, Takuma Higo, Kohei Oka and Yasushi Sekine\*



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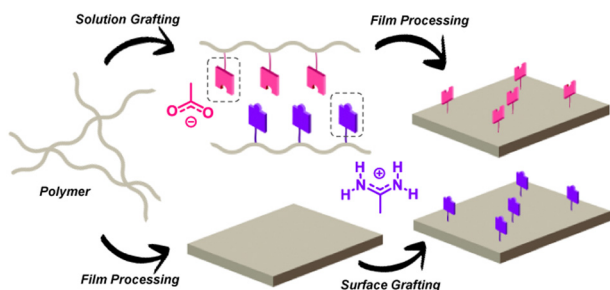
**Dual-outward contraction-induced construction of 2D hollow carbon superstructures**

Yaqi Zhang, Jiali Lou, Jiamin Wei,\* Yajing Zhou, Haifeng Wang, Liangbiao Wang, Qing Wang, Xiaopeng Li\* and Xiaokai Song\*



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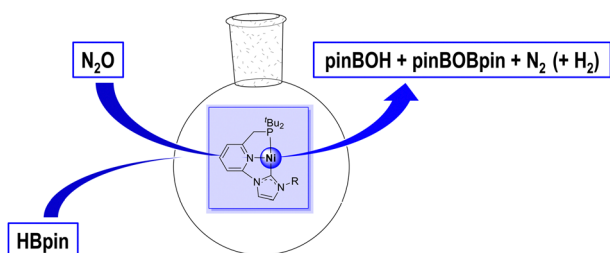
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### Highly efficient grafting of hetero-complementary amidinium and carboxylate hydrogen-bonding/ionic pairs onto polymer surfaces

Ana M. Fernandes, Manuel C. Martos-Maldonado, Javier Araujo-Morera, Claudia Solek and David González-Rodríguez\*

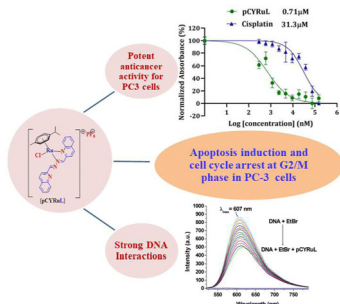
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José Bermejo, Isabel Ortega-Lepe, Laura L. Santos, Nuria Rendón, Joaquín López-Serrano, Eleuterio Álvarez and Andrés Suárez\*

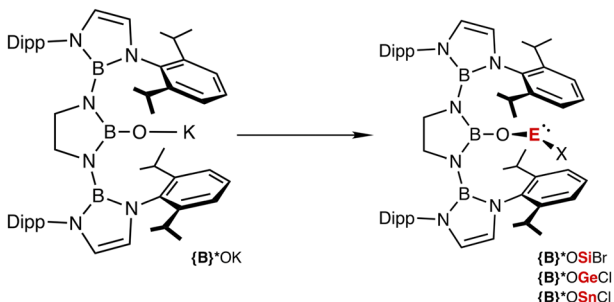
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### A bis-quinoline ruthenium(II) arene complex with submicromolar cytotoxicity in castration-resistant prostate cancer cells

Tanveer A. Khan, Kishalay Bhar, Rohit Samanta, Surabhi Bhatt, Mamta Singh, Reshma Rani, Vinit Kumar\* and Anuj K. Sharma\*

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### A bromo(boryloxy) silylene and its heavier analogues

Robin Guthardt\* and Cameron Jones\*

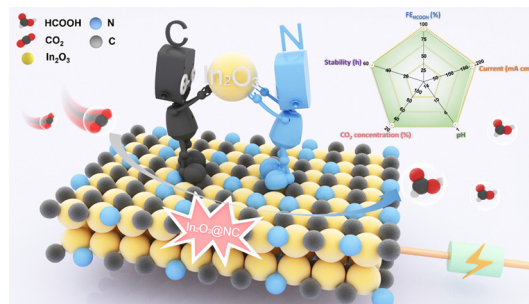


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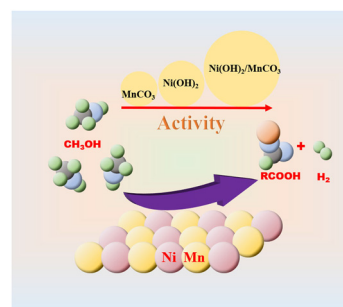
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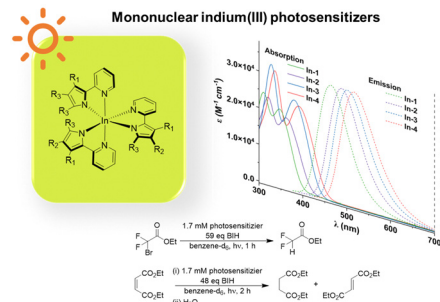
Chunru Liu, Fulin Yang, Yun Yang,\* Shuli Wang and Ligang Feng\*



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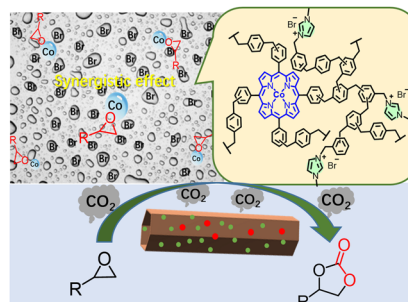
Li-Zhi Fu, Piao He, Jia-Wei Wang, Fan Ma, Chao Liu, Guo Chen and Xiao-Yi Yi\*



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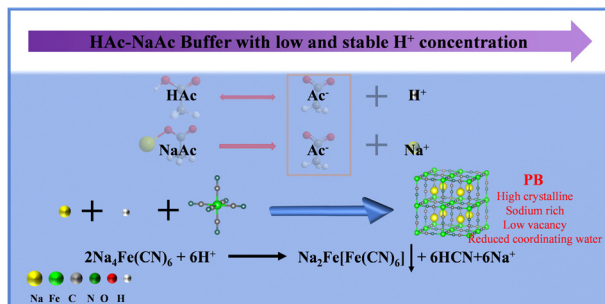
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Wei Xu, Zixuan Zhang, Yuanxiang Wu, Kechi Chen and Rongchang Luo\*



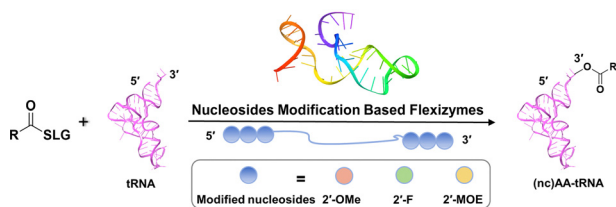
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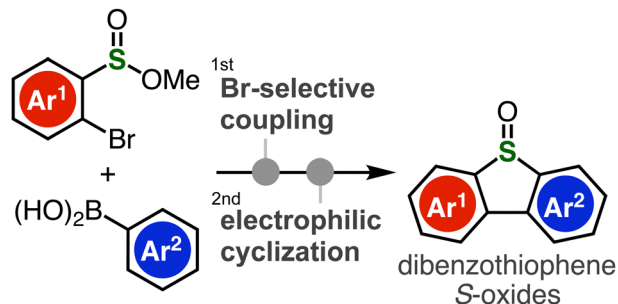
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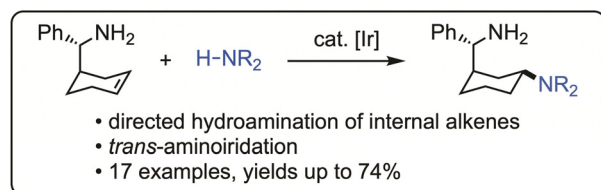
Xin-Dan Zhang, Yi-Shen Wang, Hua Xiang, Li-Wen Bai, Peng Cheng, Kai Li, Rong Huang, Xiaolei Wang and Xinxiang Lei\*

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Yukiko Kumagai, Akihiro Kobayashi, Keisuke Nakamura and Suguru Yoshida\*

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An T. Ho, Evan P. Venable, Chelsea San Miguel and Kami L. Hull\*

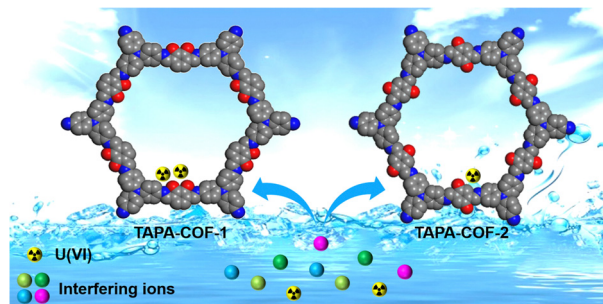


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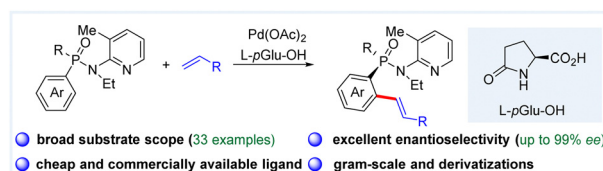
Ying Huang, Jun Liao, Jiahao Li, Changming Cheng, Yong Zhang\* and Yongwu Peng\*



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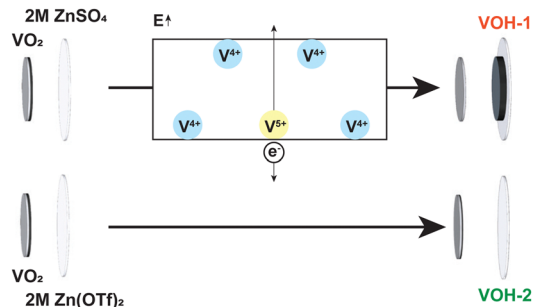
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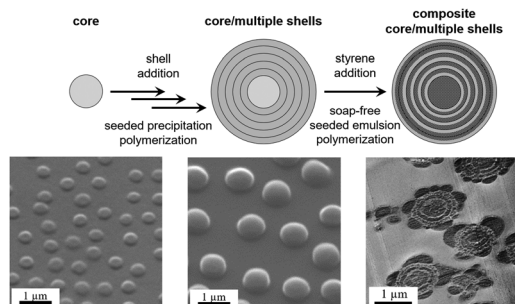
Haijia Quan, Chen Wang, Dongxu Guo, Xiaofeng Wang, Chenglin Sun\* and Shenghan Wang\*



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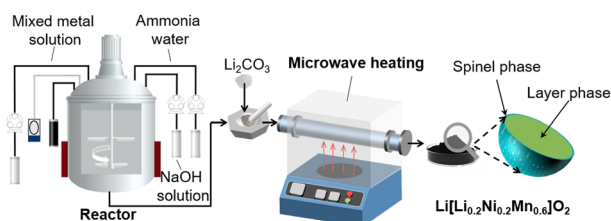
### Multi-layer core/shell microgels with internal complexity and their nanocomposites

Haruka Minato, Satoki Ushida, Kentaro Yokouchi and Daisuke Suzuki\*



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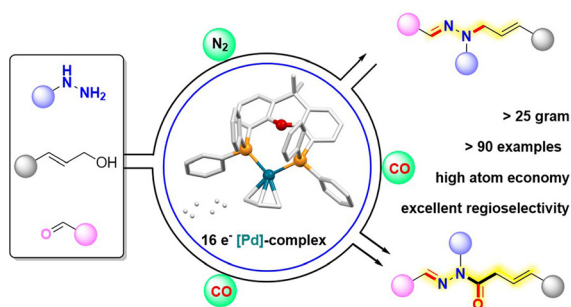
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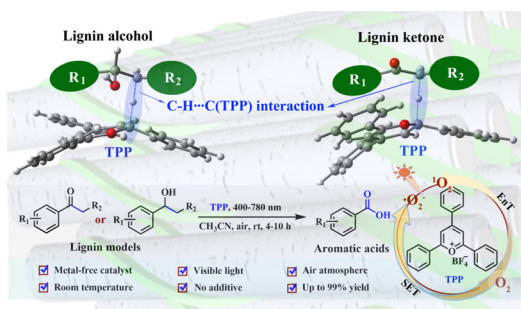
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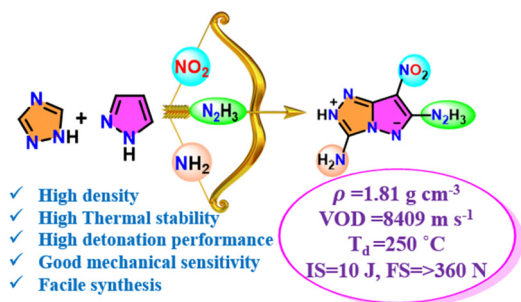
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Ye Meng, Jie Li, Huan Liu, Hongguo Wu\* and Hu Li\*

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Parasar Kumar, Navaneet Kumar, Vikas D. Ghule and Srinivas Dharavath\*

