

Chem Soc Rev

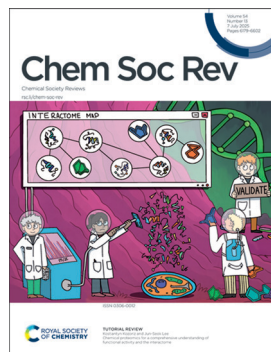
Chemical Society Reviews

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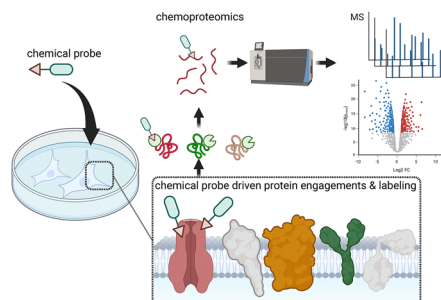
See Kostiantyn Kozoriz and Jun-Seok Lee, pp. 6186–6207. Image reproduced by permission of Kostiantyn Kozoriz and Jun-Seok Lee from *Chem. Soc. Rev.*, 2025, **54**, 6186.

TUTORIAL REVIEW

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Chemical proteomics for a comprehensive understanding of functional activity and the interactome

Kostiantyn Kozoriz and Jun-Seok Lee*

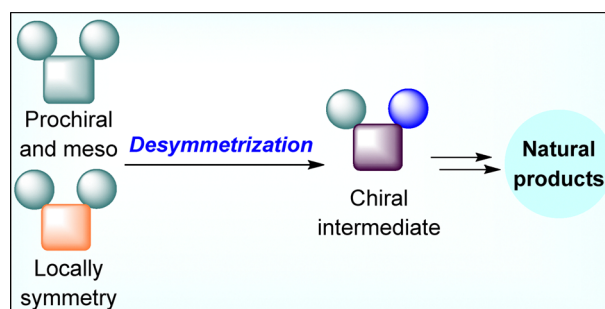


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Desymmetrization strategy in natural product total synthesis

Haichao Liu,* Kai Tang, Hao Zeng, Lijun Chen, Hong Liang* and Yanxing Jia*



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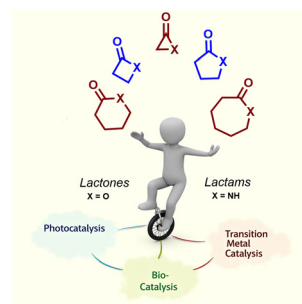


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Synthesis of lactones and lactams via C(sp³)–H bond functionalization

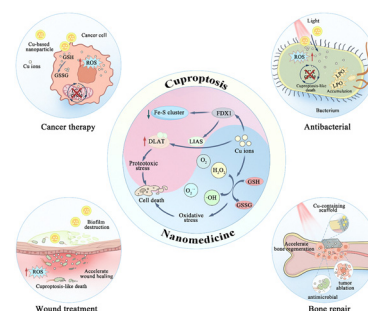
Egambaram Premkumar, Ramdas Sreedharan, Premananda Ghosh, Tanay Pal, Debabrata Maiti* and Thirumanavelan Gandhi*



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Cuproptosis: mechanisms and nanotherapeutic strategies in cancer and beyond

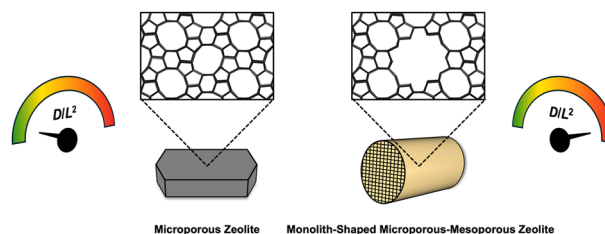
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Chemical engineering of zeolites: alleviating transport limitations through hierarchical design and shaping

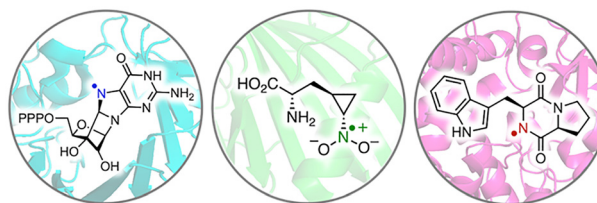
Nibras Hijazi, Anastasiya Bavykina, Irina Yarulina, Tuiana Shoinkhorova, Enrique V. Ramos-Fernandez and Jorge Gascon*



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Nitrogen-centered radicals driving unusual enzyme reactions in biosynthetic pathways

Richiro Ushimaru* and Ikuro Abe*

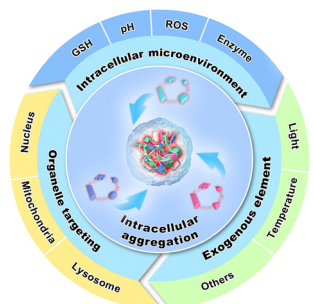


N-centered radicals in enzyme reactions



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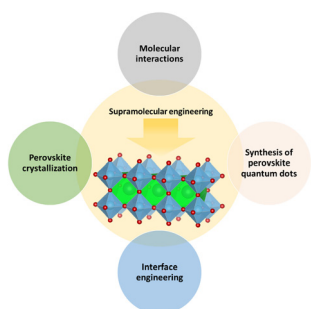
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Intracellular aggregation of exogenous molecules for biomedical applications

Da-Yong Hou, Haoran Wang,* Yue-Ze Wang, Dong-Bing Cheng,* Ben Zhong Tang* and Wanhai Xu*

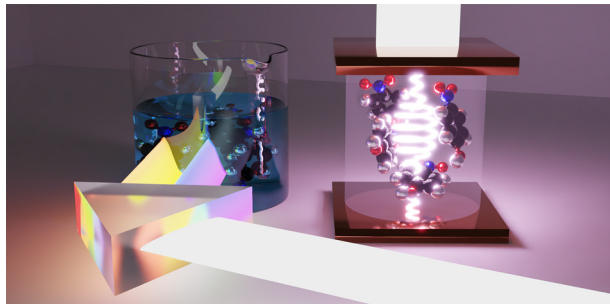
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Supramolecular engineering in hybrid perovskite optoelectronics

Tzu-Sen Su, Anurag Krishna, Chenxu Zhao, Junhao Chu and Hong Zhang*

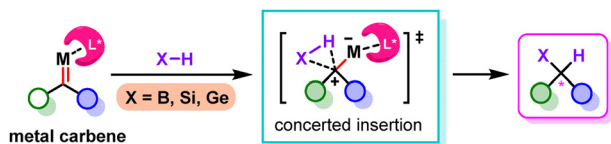
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When do molecular polaritons behave like optical filters?

Kai Schwennicke, Arghadip Koner, Juan B. Pérez-Sánchez, Wei Xiong, Noel C. Giebink, Marissa L. Weichman and Joel Yuen-Zhou*

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Recent advances in catalytic asymmetric metalloid–hydrogen bond insertion of transition-metal carbenes

Shuyue Zhang and Ming-Hua Xu*

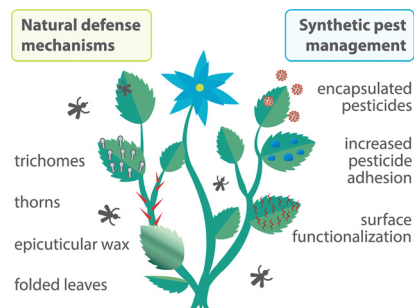


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Turning over a new leaf: innovative pest control from a materials science perspective

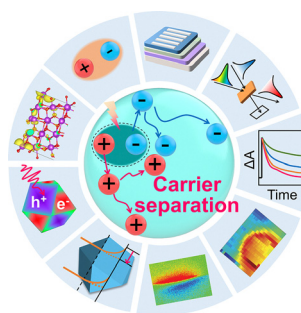
Abinaya Arunachalam, Maria Perraki, Bram Knecht, Mirka Macel, Dagmar Voigt and Marleen Kamperman*



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Jun Wang, Wanru Liao, Yao Tan, Olivier Henrotte, Yicui Kang, Kang Liu, Junwei Fu, Zhang Lin, Liyuan Chai, Emiliano Cortes* and Min Liu*



CORRECTIONS

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Correction: Decoding recombination dynamics in perovskite solar cells: an in-depth critical review

Ramkrishna Das Adhikari, Mayur Jagdishbhai Patel, Himangshu Baishya, Deepak Yadav, Manab Kalita, Mizanur Alam and Parameswar Krishnan Iyer*

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Correction: Unified approaches in transition metal catalyzed C(sp³)-H functionalization: recent advances and mechanistic aspects

Jagrit Grover, Amal Tom Sebastian, Siddhartha Maiti, Alex C. Bissember* and Debabrata Maiti*

