

Natural Product Reports

High impact, critical reviews in natural product research and related areas

rsc.li/npr

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 0265-0568 CODEN NPRRDF 41(11) 1625–1812 (2024)



Cover

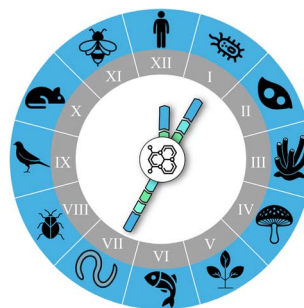
See Yi-Ming Shi *et al.*, pp. 1630–1651. Hao Xiang is acknowledged for contribution to the artwork. Image reproduced by permission of Yi-Ming Shi from *Nat. Prod. Rep.*, 2024, **41**, 1630.

REVIEWS

1630

Exploring nature's battlefield: organismic interactions in the discovery of bioactive natural products

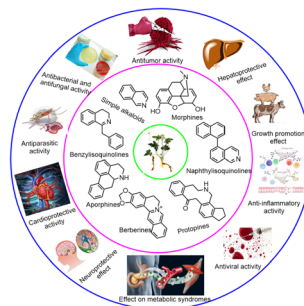
Yuyang Wang, Yan-Ni Shi, Hao Xiang and Yi-Ming Shi*



1652

Isolation, biological activity, and synthesis of isoquinoline alkaloids

Xiaorong Yang, Xiaolou Miao, Lixia Dai, Xiao Guo, Janar Jenis, Jiyu Zhang and Xiaofei Shang*



ChemComm

**Uncover new possibilities
with outstanding
preliminary research**

**Original discoveries, fuelling
every step of scientific progress**

rsc.li/chemcomm

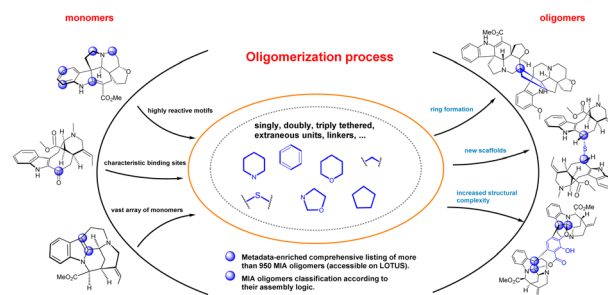
**Fundamental questions
Elemental answers**

REVIEWS

1723

Structural diversity and chemical logic underlying the assembly of monoterpene indole alkaloids oligomers

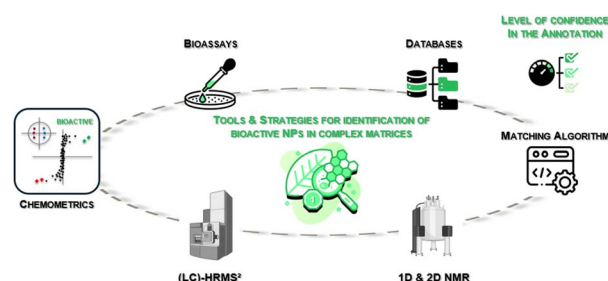
Pierre Le Pogam* and Mehdi A. Beniddir*



1766

Current and emerging tools and strategies for the identification of bioactive natural products in complex mixtures

Manon Meunier, Andreas Schinkovitz* and Séverine Derbré*



1787

Structural diversity, evolutionary origin, and metabolic engineering of plant specialized benzyloisoquinoline alkaloids

Ya Tian, Lingzhe Kong, Qi Li, Yifan Wang, Yongmiao Wang, Zhoujie An, Yuwei Ma, Lixia Tian, Baozhong Duan, Wei Sun, Ranran Gao,* Shilin Chen* and Zhichao Xu*

