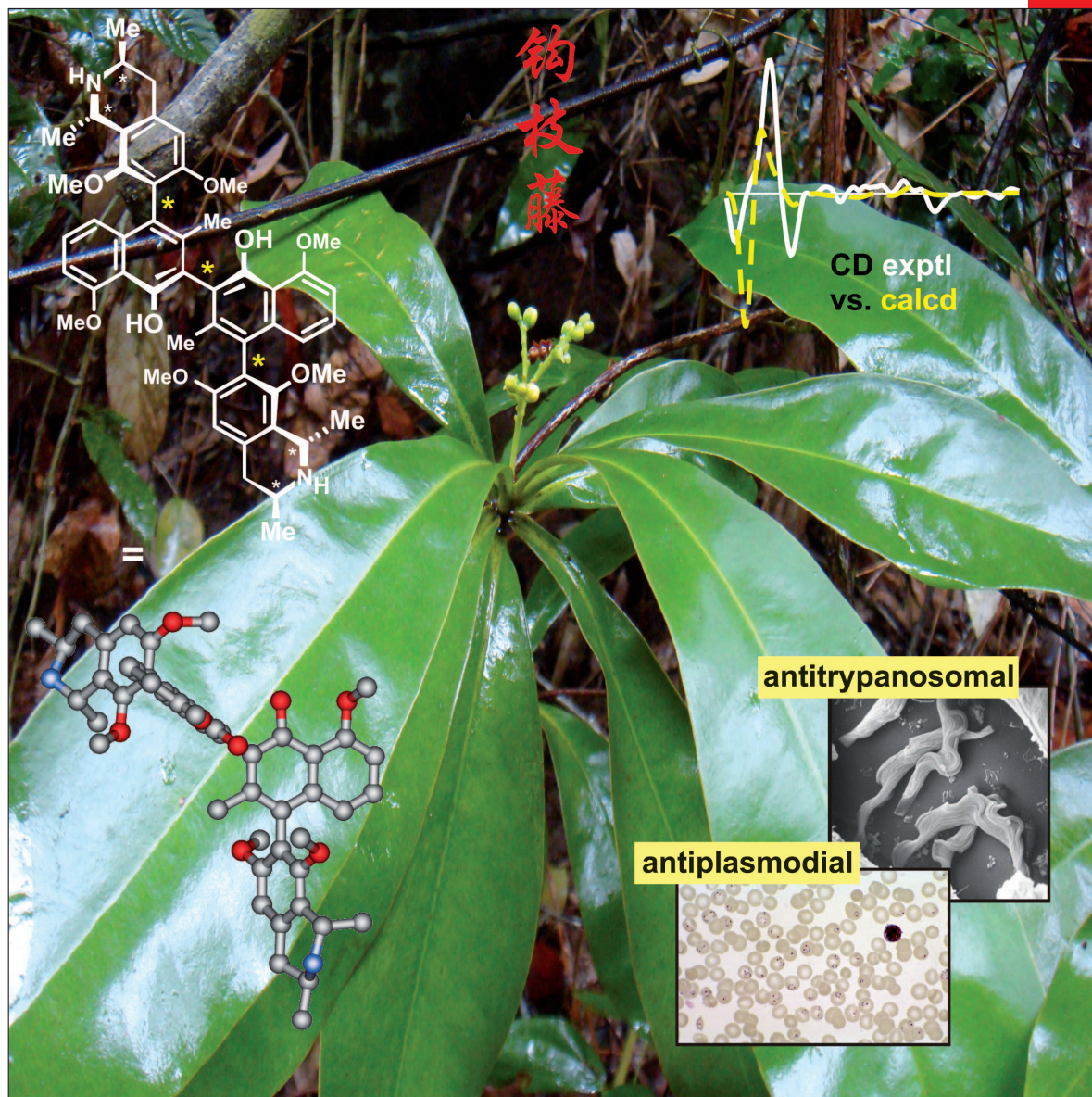


# CHEMISTRY

## A EUROPEAN JOURNAL

16/14

2010



### Minireview

Anatomy of Long-Lasting Love Affairs with Lithium Carbenoids:  
Past and Present Status and Future Prospects  
S. Florio and V. Capriati

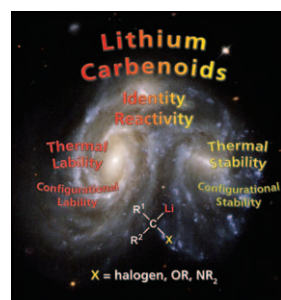
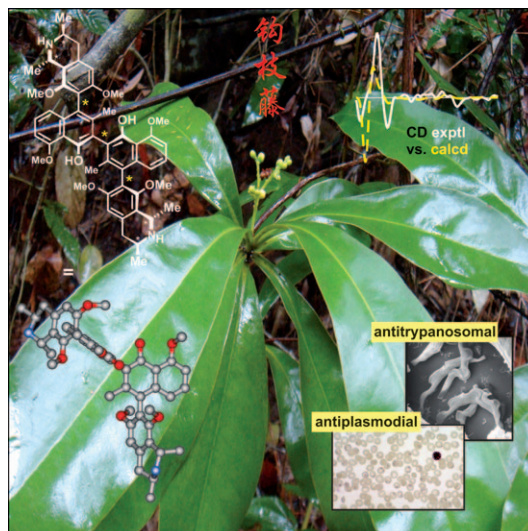
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... A source of stereochemically and pharmacologically exciting metabolites: The Chinese plant *Ancistrocladus tectorius*. The alkaloids have as many as three consecutive chiral axes and show specific anti-infective activities. The Chinese characters mean “plant with hooks” (= *Ancistrocladus*). For further information see the Full Paper by G. Bringmann et al. on page 4206 ff.

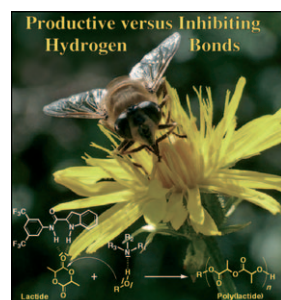
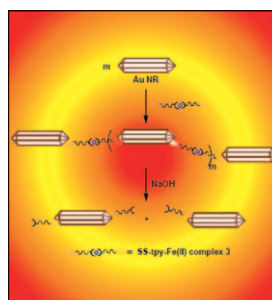


## Lithium Carbenoids

The frontispiece shows a remarkable collision between two spiral galaxies in the constellation of Hercules, as captured by the Hubble Space Telescope, that are losing their original “identity” in favor of a new combined one. This mirrors the behavior of a Li carbenoid species that exhibits a “double-faced” identity (nucleophilic/electrophilic behavior), as discussed by V. Capriati and S. Florio in their Mini-review on page 4152 ff.

## Metal Nanocrystals

In their Communication on page 4164 ff., G. R. Newkome et al. describe the synthesis of [(disulfide-terminated tpy)<sub>2</sub>-M<sup>II</sup>] complexes and employed them in the predominately end-to-end assembly of Au nanorods; facile disassembly occurred upon treatment with aqueous NaOH solution for the Fe<sup>II</sup> linker and excess Cd(NO<sub>3</sub>)<sub>2</sub>·4 H<sub>2</sub>O for the Cd<sup>II</sup> linker.



## Organocatalysis

A strategy of dual hydrogen-bonding activation of reactants in the ring-opening polymerization of lactide is described by B. Bibal et al. in their Full Paper on page 4196 ff. The authors demonstrate the importance of balancing hydrogen-bond-donor and -acceptor properties within the catalytic system. This overall balance should be considered in the design of future partner hydrogen-bonding organocatalysts.

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