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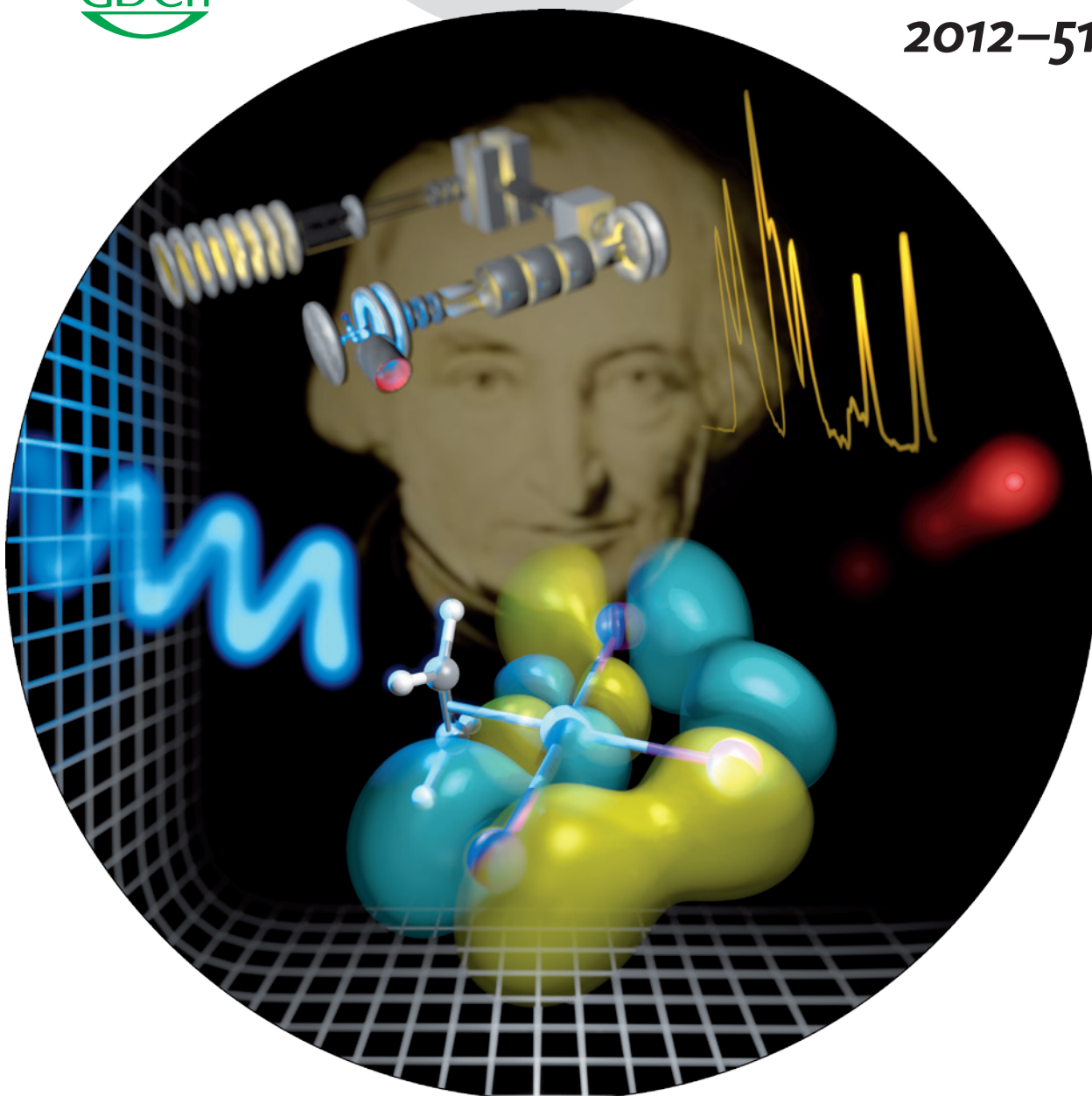
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Drug Discovery ... The Third in the Band!

Editorial by H. Waldmann

Perylene Bisimide Dyes in Water

Review by F. Würthner et al.

Orthogonal Conjugation Reactions

Minireview by L. H. Jones and D. M. Beal

Highlights: Bora-cyclophanes • Bacterial Communication

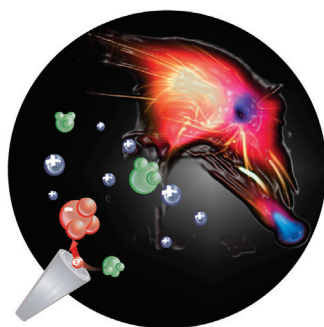
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Cover Picture

Gao-Lei Hou, Hui Wen, Kenneth Lopata, Wei-Jun Zheng, Karol Kowalski, Niranjan Govind, Xue-Bin Wang,* and Sotiris S. Xantheas*

Zeise's anion is the quintessential organometallic compound first synthesized by William Zeise in the 1820s. In their Communication on page 6356 ff., S. S. Xantheas et al. present a combined gas-phase photoelectron spectroscopic and computational study of Zeise's anion, which provides rich and detailed chemical-bonding and interaction information on the anion and its bromine and iodine analogues (Zeise's portrait taken from the Wikipedia entry on William C. Zeise).

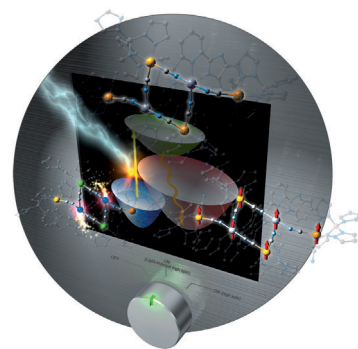


Gas-Phase Electrochemistry

In their Communication on page 6350 ff., D. J. Caruna et al. show that it is possible to control redox reactions at the solid/gas interface by using voltammetric techniques. A flame plasma is used as the electrolyte.

Heteronanostructures

S.-H. Yu et al. report in their Communication on page 6365 ff. how the form of screw-, dumbbell-, and sandwich-like hexagonal-prismatic Cu–S–Zn nanostructures can be controlled by the molar ratio of the copper and zinc precursors.



Single-Molecule Magnets

In their Communication on page 6361 ff., H. Oshio and co-workers describe a cyanide-bridged $[\text{Fe}_4\text{Co}_2]$ complex that displays a thermal and light-induced electron-transfer-coupled spin transition.