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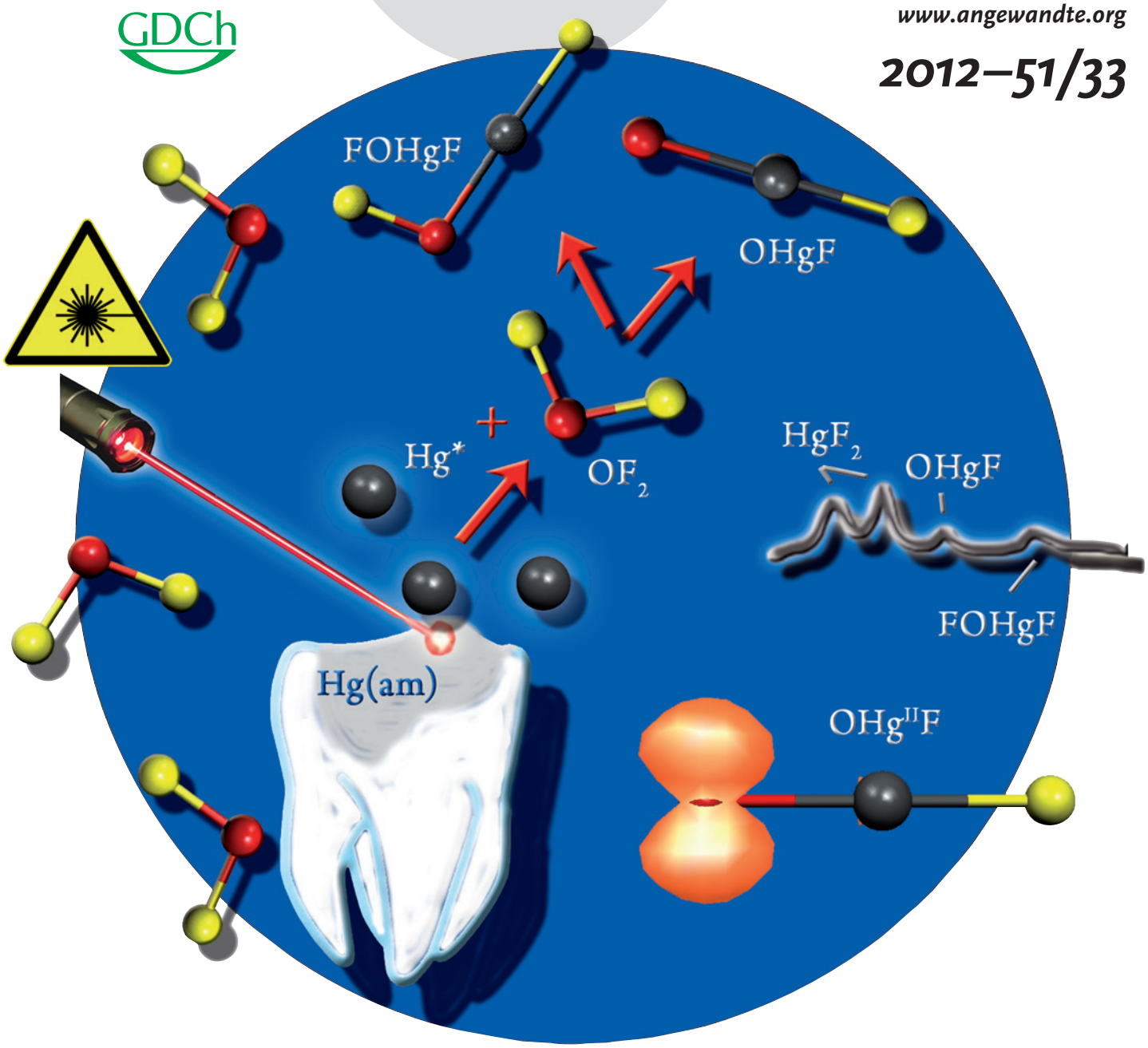

Light-Emitting Electrochemical Cells
Review by H. J. Bolink, N. Armaroli et al.

Protein–Protein Interactions
Minireview by C. Schultz and A. Rutkowska

Highlights: Gold Catalysis · Adaptor Proteins · Switchable Catalysis

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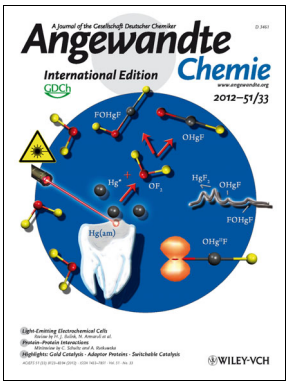
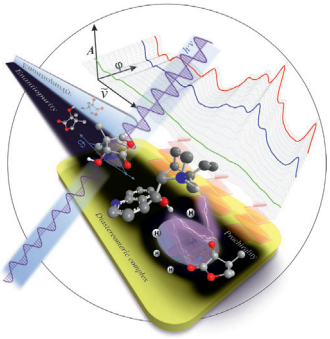
Cover Picture

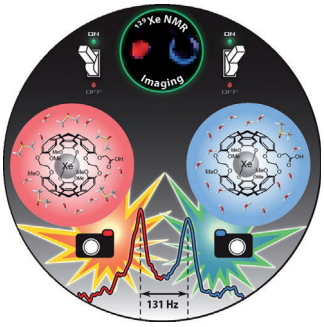


Lester Andrews, Xuefeng Wang, Yu Gong, Tobias Schlöder, Sebastian Riedel,* and Marvin J. Franger

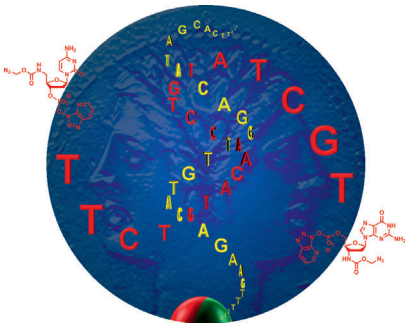
Mercury amalgam dental fillings provide a source for laser-ablated mercury atoms as reaction partners with OF_2 to produce mercury difluoride and two major oxyfluorides, as shown by S. Riedel et al. in their Communication on page 8235 ff. Assignments for OHgF and FOHgF trapped in solid neon and argon in the IR spectrum were supported by calculations. Unpaired electron spin resides on oxygen in OHgF, with mercury in the + II oxidation state.



Asymmetric Catalysis
In their Communication on page 8212 ff., A. Baiker et al. present the first in situ spectroscopic evidence for the role of the C9-OH group of cinchona alkaloids in forming an enantiodifferentiating complex between cinchonidine and ketopantolactone.



Biosensors
L. Schröder et al. present an encoding method with ^{129}Xe hyperpolarization in cryptophane cages for snapshot imaging with high spectral selectivity in their Communication on page 8217 ff.



Solid-Phase Synthesis
In their Communication on page 8299 ff., C. Richert et al. describe the development of protected monomers and solid supports for chemical primer extension in both 3′- and 5′-direction with reversible termination.