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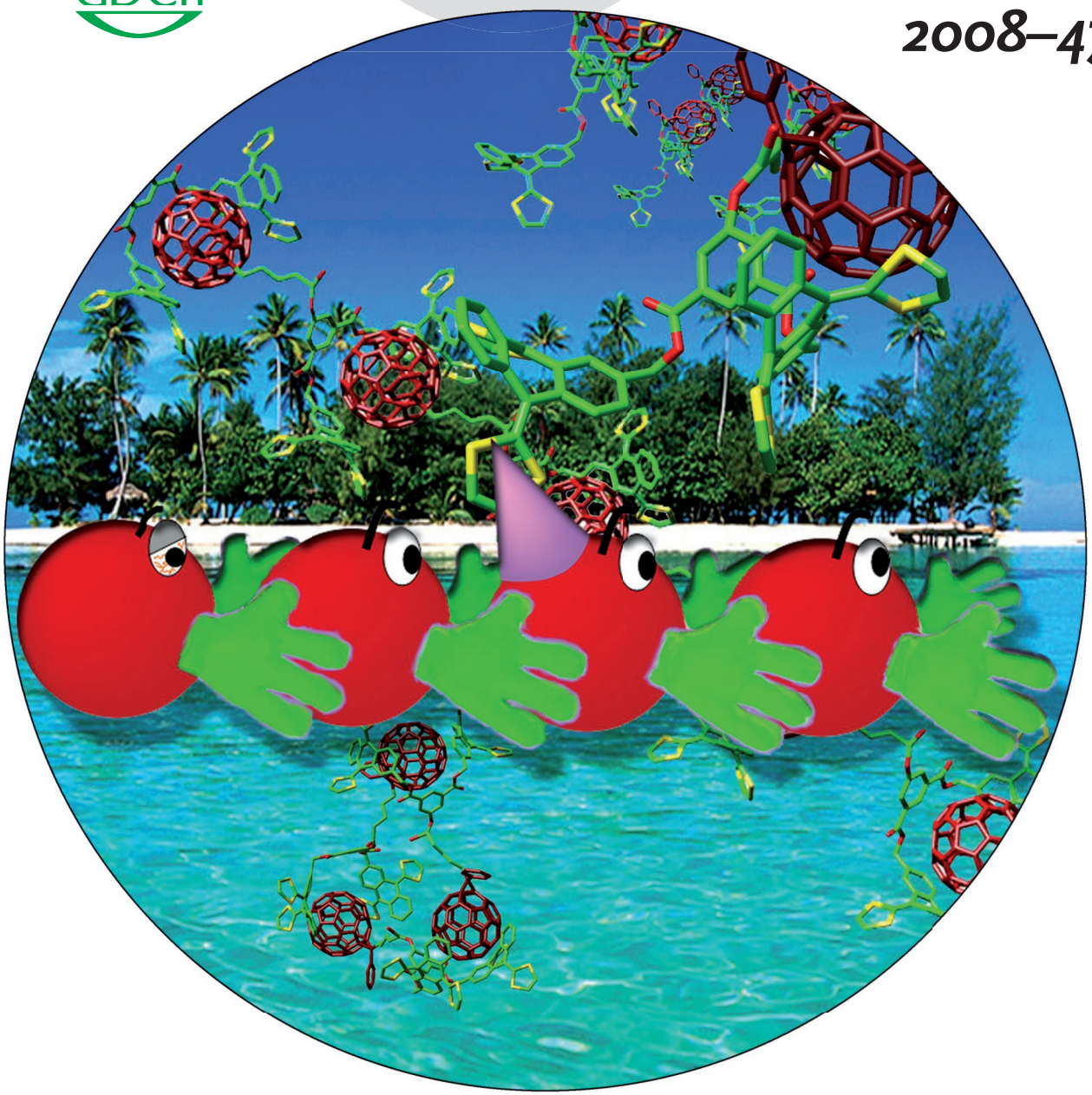

Diamondoid Chemistry
A. A. Fokin, P. R. Schreiner, and H. Schwertfeger

Hugo Schiff
T. T. Tidwell

Highlights: Light Harvesters • Structure of Water

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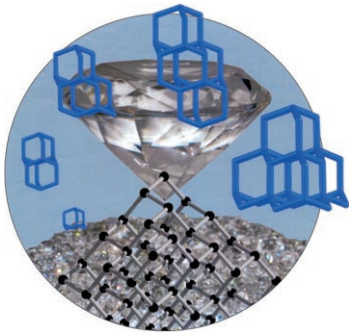
Cover Picture

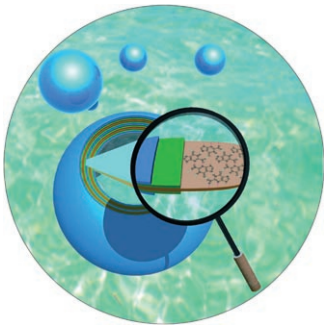
Gustavo Fernández, Emilio M. Pérez, Luis Sánchez, and Nazario Martín*

Fullerenes do the conga Fullerenes and their derivatives are widely used as electron-acceptor moieties in organic photovoltaics. In their Communication on pp. 1094 ff. N. Martín and co-workers describe the synthesis and self-recognition of a monomer featuring both a receptor for [60]fullerene (based on the electron-donor exTTF) and a C_{60} derivative. The monomers link head-to-tail to form linear oligomers and provide a new approach for the organization of electroactive donor–acceptor fragments.

Hugo Schiff
In his Essay on page 1016 ff. T. T. Tidwell portrays the life and times of the father of Schiff bases. Although the imines named after him are well-known, Schiff himself, a pioneer of organic chemistry, has been almost forgotten.



Nanodiamonds
Diamondoids are a largely unstudied class of carbon-rich nanomaterials. In their Review on page 1022 ff. P. R. Schreiner et al. describe the latest developments in the synthesis, functionalization, and utilization of these hydrocarbons.



Supramolecular Vesicles
K. Araki et al. describe micrometer-scale vesicles in their Communication on page 1038 ff. Nonpolar layers shield a two-dimensional hydrogen-bonding network, allowing highly stable capsules to form even in highly polar aqueous media.