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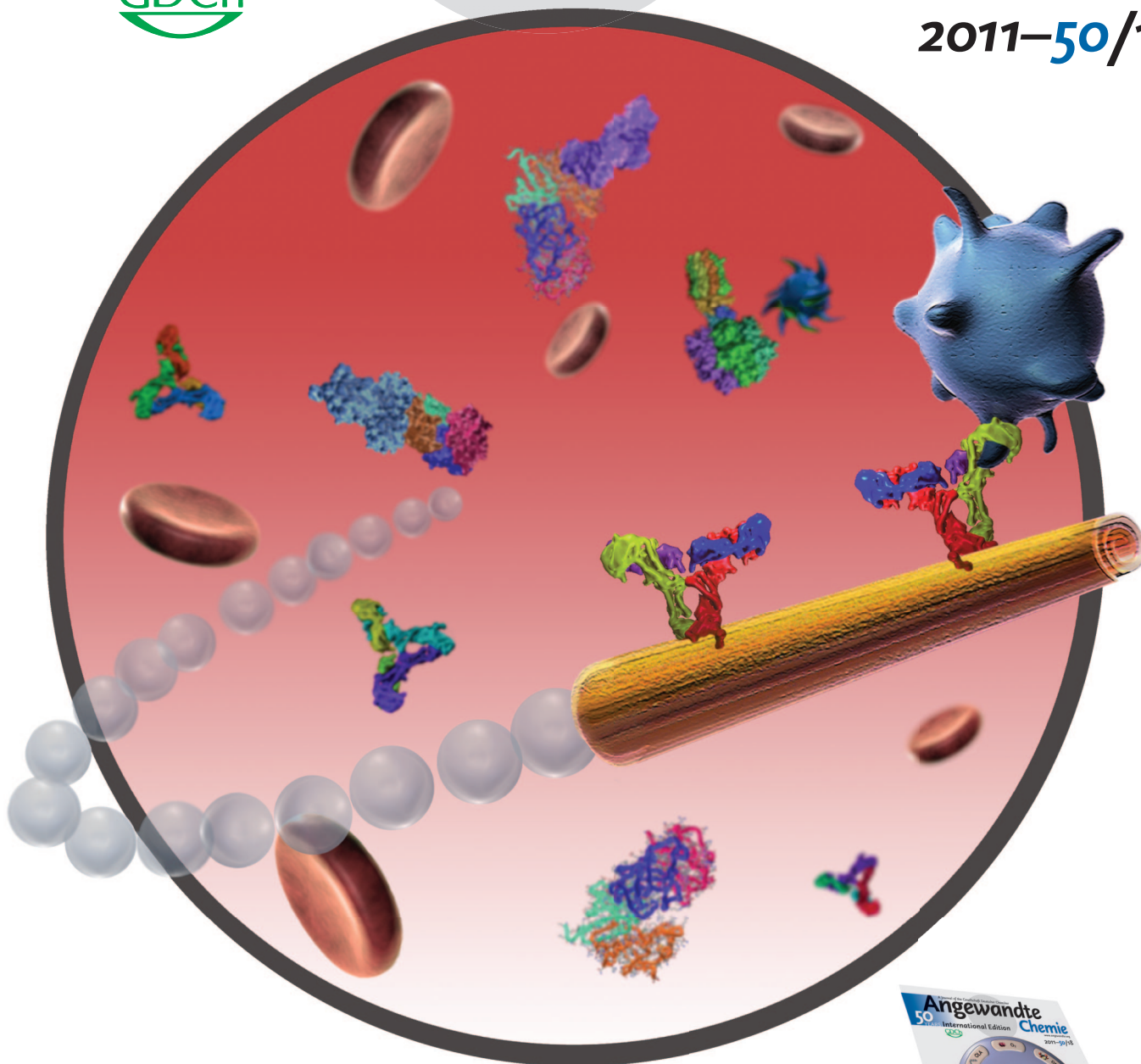
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Dearomatization Strategies

J. A. Porco, Jr. and S. P. Roche

Dihydrogen Complexes

R. M. Bullock

CO₂ Utilization

F. C. Meunier

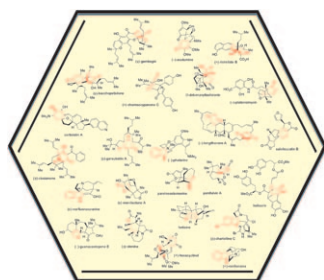


See
Back Cover

Cover Picture

Shankar Balasubramanian, Daniel Kagan, Che-Ming Jack Hu, Susana Campuzano, M. Jesus Lobo-Castañon, Nicole Lim, Dae Y. Kang, Maria Zimmerman, Liangfang Zhang,* and Joseph Wang*

Antibody-functionalized microengine rockets can selectively capture and transport pancreatic cancer cells in complex biological media. In their Communication on page 4161 ff., Zhang, Wang, and co-workers report that these microrockets recognize individual cancer cells from a cell mixture with high selectivity. This strategy holds promise for the design of bioanalytical protocols and microchip devices for early-stage tumor cell detection.

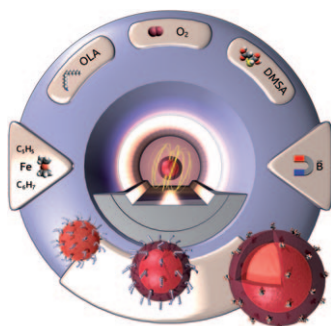
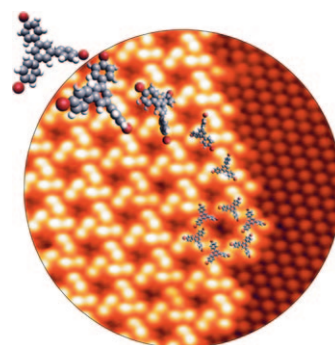


Natural Product Synthesis

In their Review on page 4068 ff., J. A. Porco, Jr. and S. P. Roche discuss a new dimension in natural product chemistry. Dearomatization processes can be used to convert planar aromatic intermediates into the three-dimensional frameworks of complex natural products.

Supramolecular Networks

In their Communication on page 4094 ff., F. Cherioux et al. present STM images of a large 2D open supramolecular framework with an unusually high resolution of both the silicon substrate and the molecular network at room temperature.



MRI Contrast Agents

R. D. Tilley et al., describe in their Communication on page 4206 ff. how small tumors can be visualized in a facile way with the help of strongly magnetic iron core/iron oxide shell nanoparticles.