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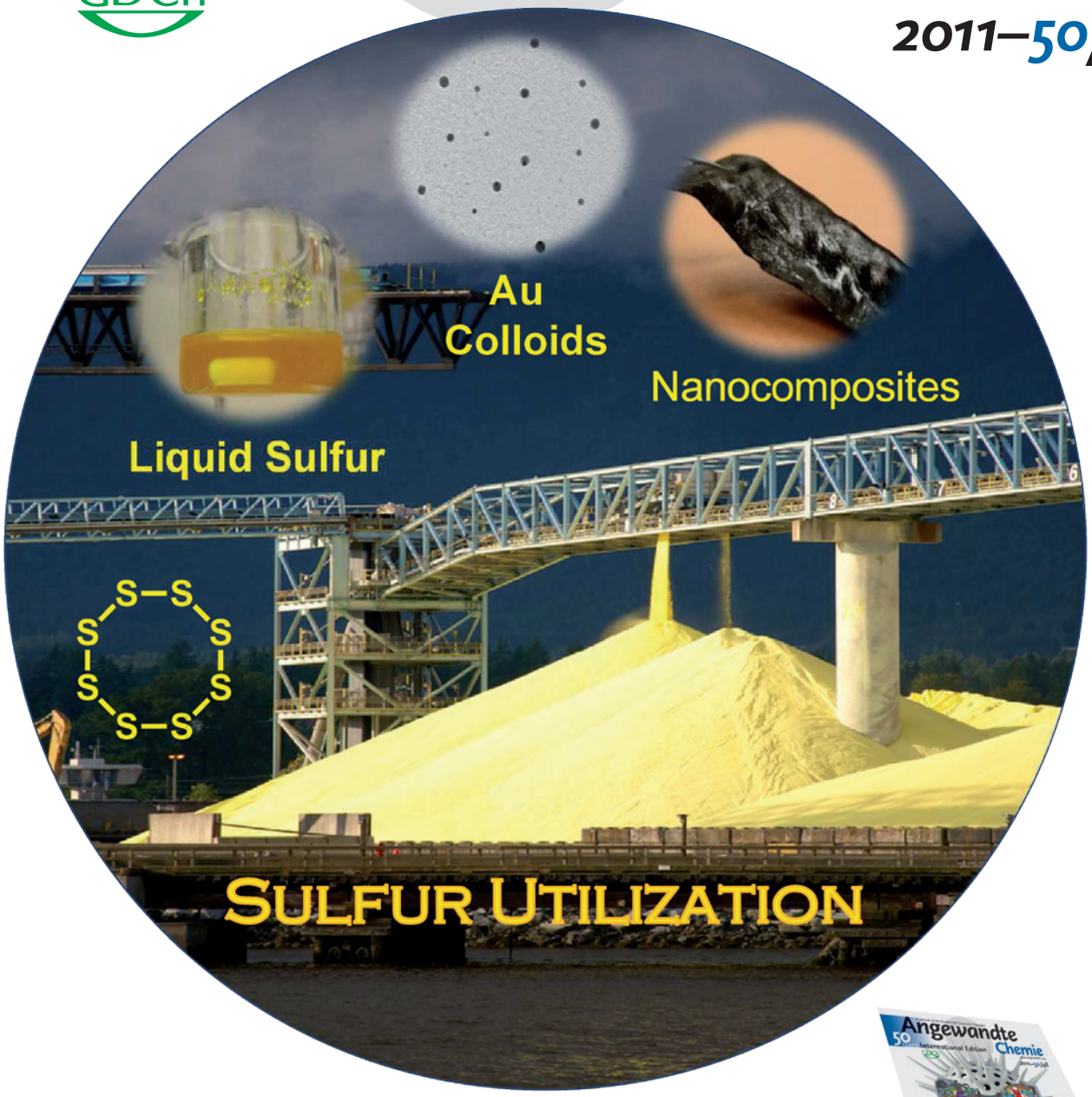

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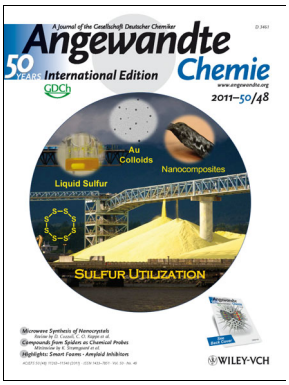
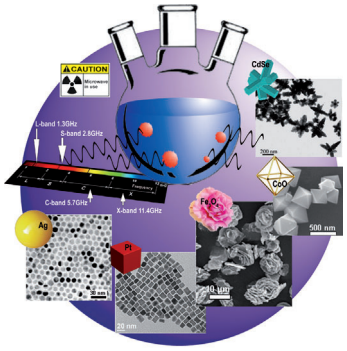
Cover Picture

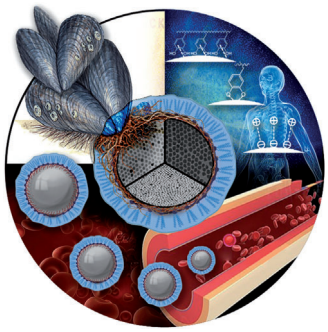


Woo Jin Chung, Adam G. Simmonds, Jared J. Griebel, Eui Tae Kim, Hyo Seon Suh, In-Bo Shim, Richard S. Glass, Douglas A. Loy, Patrick Theato, Yung-Eun Sung, Kookheon Char, and Jeffrey Pyun*

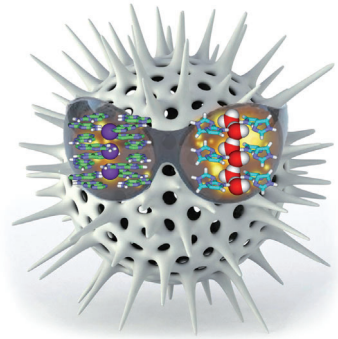
The direct use of elemental sulfur as a reaction medium for the preparation of Au nanoparticles and vulcanized nanocomposites is described by J. Pyun et al. in their Communication on page 11409 ff. Liquid sulfur serves multiple functions in this system—as a solvent, reducing agent, and colloidal stabilizer for the preparation of Au colloids. A tremendous excess of elemental sulfur is generated from petroleum refining, which creates new opportunities to use sulfur as a feedstock.



Microwaves and Nanocrystals
In their Review on page 11312 ff, P. D. Cozzoli, C. O. Kappe et al. present the use of microwave techniques for the preparation of colloidal nanocrystals and discuss the role microwaves play in the process.



Nanoparticles
The synthesis of multiple-interaction ligands inspired by mussel adhesive proteins are reported by K. Na, T. Hyeon et al. in their Communication on page 11360 ff. Nanoparticles containing these ligands are both stable and biocompatible.



Water Channels
M. Barboiu et al. describe in their Communication on page 11366 ff. how dipolar water wires stabilize quartets of ureido imidazole compounds (I quartets) in a manner reminiscent of stabilization of guanine (G) quartets by cation templating.