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Autore	Batten Stuart R
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Sommario/riassunto	Awarded the 2009 Olle Prize! The field of coordination polymer research has undergone rapid expansion in recent years. No longer are these materials the vaguely defined 'insoluble material' at the bottom of your vessel that spell death for your reaction. They have gone from 'polymeric rubbish' to 'materials of the future'. Great leaps in the deliberate design of coordination polymers were made in the 1990s. These were allied with similar advances in related areas such as organic crystal engineering, metallosupramolecular chemistry and X-ray diffraction. No longer did we assemble things atom by