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Sommario/riassunto	<p>Synthesis is the crucial creative step by which new compounds are made. It is also the means by which important chemicals are formulated and processed from initial laboratory experiments to industrial scale production. Inorganic compounds demonstrate huge diversity and so vastly different approaches are required to achieve a multitude of synthetic targets from delicate complexes to robust extended solids. Unifying this cornucopia of concepts and techniques are principles of inspiration and design; if realising new compounds is a process of discovery, then devising the successful synthesis route is a process of invention. This Special Issue provides examples of the inventive strategies exploited to prepare inorganic compounds. Insightful review papers and original research articles highlight some of the most recent developments in innovative inorganic synthesis.</p>