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Sommario/riassunto

The development of sensors at macroscopic or nanometric scales in solid, liquid, or gas phases, contact or noncontact configurations, has driven the research of sensor & detection materials and technology into high gear. The emphasis on detection techniques requires the use of spin crossover organic, inorganic and composite materials and methods that could be unique for sensors fabrication. The influence of length, composition and conformation structure of materials on their properties and the possibilities to adjust sensing properties by doping or addin