

1. Record Nr.	UNINA9910619461703321
Autore	Venditti Iole
Titolo	Metal Nanoparticles-Polymer Hybrid Materials
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2022
ISBN	3-0365-5204-9
Descrizione fisica	1 online resource (144 p.)
Soggetti	History of engineering and technology Mining technology and engineering Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Metal nanoparticles/polymers hybrid materials have significantly contributed to the develop of nanotechnology. Moreover, these hybrid materials can respond to stimuli (e.g., pH, temperature, light, magnetic field) or self-degrade in a controlled manner to release metal nanoparticles or therapeutics encapsulated. Functional and structural hybrid materials provide opportunities for creative fields, remarkable properties, and future advanced applications. This Special Issue focuses on highlighting the progress of new hybrid materials, based on metal nanoparticles and polymers, their design, preparation, functionalization, characterization, and advanced applications.