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TITLE

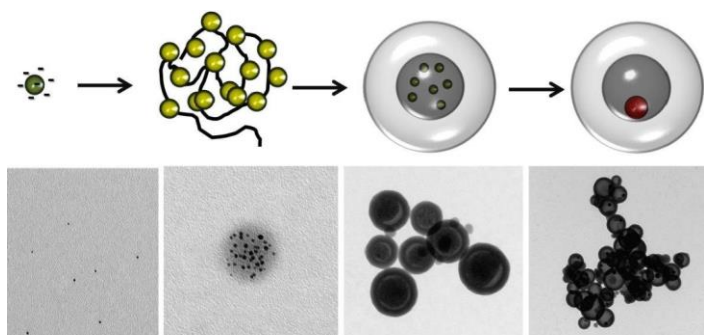
Nanoparticelle Cave Aventi Un Core Metallico Modulabile

INVENTORS

Valerio Voliani, Vincenzo Piazza

DESCRIPTION

The invention relates to nanoparticles which are composed by a hollow silica nanostructure in which negative charged gold seeds are embedded in its central cavity by positive-charged polymer. In this system, every component is synergistically associated to the other, resulting in a complex object able to reach the target in the organism, to produce the theranostics action, and finally to be biodegraded and cleared out. The nanoparticles can be used in in vivo analysis of the systems with theranostics features (photoacoustic and x-ray enhancement).



APPLICATIONS

Photoacoustic, x-ray enhancement, theranostics

KEYWORDS

Nanoparticles, gold, polymer, hollow silica

BIBLIOGRAPHIC DATA

Gold Seeds Embedded in Hollow Silica Nanoparticles

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CONTACTS

Technology Transfer Office	Augusta Galano	augusta.galano@iit.it
		+39 010 71781 568