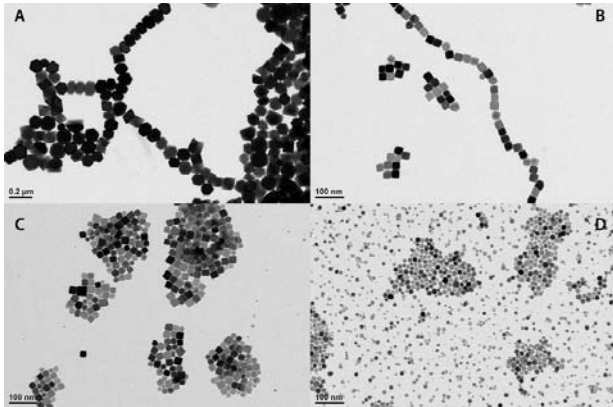




ISTITUTO ITALIANO
DI TECNOLOGIA

TITLE		
Ferrite nanocrystals		
INVENTORS		
Pablo Guardia, Andreas Riedinger, Simone Nitti, Teresa Pellegrino, Liberato Manna, Roberto Cingolani		
DESCRIPTION		
<p>Iron oxide nanocubes over a wide range of sizes are synthesized by using a controlled colloidal method. The synthesis allows obtaining monodisperse magnetic and cubic nanocrystals in a wide range of dimensions.</p>		
APPLICATIONS		
Pharmaceutical companies interested in cancer treatments and magnetic guide for drug delivery, companies working in the field of nanomaterials and localized heat application (e.g. cross linking of polymers for adhesive applications)		
KEYWORDS		
Ferrite nanocrystals, magnetic nanoparticles, hyperthermia treatment		
BIBLIOGRAPHIC DATA TO2011A000174		
Nanocristalli di ferrite e loro usi		
Application Number	TO2012A000331	
Priority Date	April 16, 2012	
Applicants	Fondazione Istituto Italiano di Tecnologia	
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