



ISTITUTO ITALIANO  
DI TECNOLOGIA

## TITLE

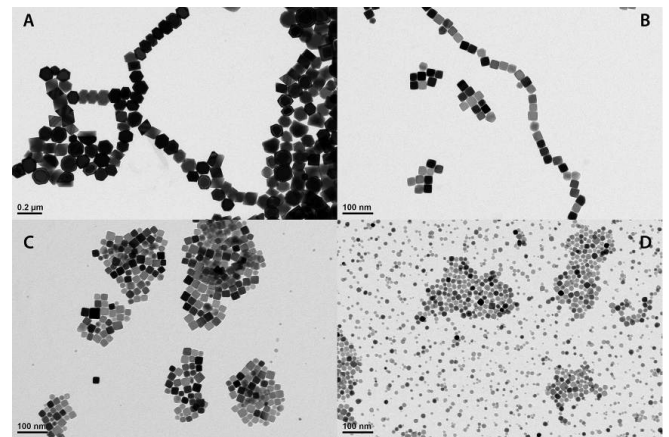
A process for preparing ferrite nanocrystals

## INVENTORS

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## DESCRIPTION

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.



## 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

Nanocristalli di ferrite e loro usi

Application Number

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Priority Date

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Applicants

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