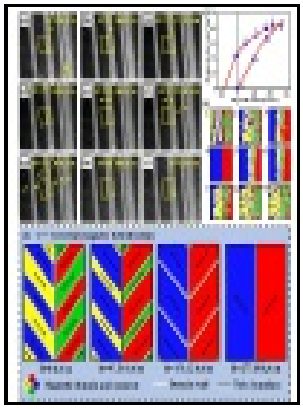
Rare earth metals based permanent magnets - a literature study

Elsevier - Structure of alloys for permanent magnets based on compounds of rare



Description: -
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Water conservation -- Economic aspects -- Africa, Southern -- Congresses.
Water conservation -- Economic aspects -- Congresses.
Soil conservation -- Economic aspects -- Africa, Southern -- Congresses.
Soil conservation -- Economic aspects -- Congresses.
Social contract.
Kitchens -- Safety aspects.
Kitchens -- Health aspects.
Caterers and catering -- Safety aspects.
Caterers and catering -- Health aspects.
Philosophy, Medieval.
Philosophy, Ancient.
Magnetic materials.
Rare earth metals -- Magnetic properties.
Permanent magnets.Rare earth metals based permanent magnets - a literature study
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Notes: Includes bibliographical references.
This edition was published in 1989

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Tags: #Hope #for #a #new #permanent #magnet #that's #cheap #and #sustainable

Hope for a new permanent magnet that's cheap and sustainable

To find out whether it does, the team compared the figures above to the environmental impact associated with recycling the neodymium in the magnets of hard drives.

Preparation and Fabrication of Rare Earth Magnetic Materials

GE is pursuing nanocomposite magnets because it's the largest manufacturer of wind turbines in the United States.

Rare earth recycling: Is it worth it?

At the same time, demand for permanent magnets is increasing as they are a common component in renewable energy, consumer electronics and electric-powered vehicles. And, because it is more open, one ligand-neodymium complex can combine with another, and that really changes its solubility. Synthesis, characterization and the rapid response property of the temperature responsive PVP- g-PNIPAM hydrogel.

Hope for a new permanent magnet that's cheap and sustainable

Fortunately, in 1913—14 the research of Danish physicist and English physicist resolved this situation.

Recycling of rare earths: a critical review

In this study, PVP-HoCl 3 films showed slightly better magnetic properties compared with PVP-GdCl 3 films.

Hope for a new permanent magnet that's cheap and sustainable

The cube-shaped atomic lattices that make up iron cobalt give atoms too much freedom to wiggle around.

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