

Nanotechnology and its impact on changing and developing the properties of materials in the interior design

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Abstract:

When controlling materials at the nano scale, scientists have different physical laws that enable them to produce new materials, change and develop the properties of different materials in terms of shape, function and performance.

For example, gold particles that have undergone nanotechnology are red in color and highly active in chemical reactions, and are completely different from natural gold particles, and so whenever the size of the grains changes their color.

The study deals with the study and detail of nanotechnology, which depends on its work on rearranging the atoms of elements and substances, of course whenever the atomic arrangement of a substance changes, its properties change.

Hence, it is possible to avoid some of the negative properties of some materials and add properties that increase the efficiency of the performance of those materials, so it is called "smart materials" .

They are the materials that change to respond to the surrounding environment, so some of them contain Tiny Computers that can send signals, and paint that threatens a gas leak or electrical defect, and paint that resists microbes and dirt, or stores electricity during the day to be broadcast at night.

key words :

Nano– Nano technology -Materials - Changing– Properties– Interior design