

Title: Novel nano materials

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New nano functional materials are very attractive in materials science research. The functional materials could have very useful properties such as ion exchange, molecular sieves, hydrogen storage, Magnetism and catalysis. There are many functional properties need to be explored in-depth. A few novel functional metal-organic polymers with interesting properties will be discussed along with their structural features and the syntheses.

Biography

Jack Y. Lu received his doctorate from Northwestern University in Inorganic Chemistry. His research activities are in the area of design and synthesis of new functional metal-organic polymers. For example, one of his research projects concerns rational approaches to new porous open-framework polymers with environmental significance in water purification, molecular separation and catalysis.