有機無機混成感光型奈米材料之製備

The compatibility between organic and inorganic compounds is usuallypoor. This reduces the physical properties of the composite materialsand hence limits their applications. The hybridization of materialswas accomplished using the sol-gel method; thereby, theincompatibility problem could be resolved and also to achieve thelevel of nano-scale dispersion that traditional methods couldn't do.The formed composite materials are found to own the properties both oforganic and inorganic components. Additionally, by introducingspecific functional groups into the chemical process, we have preparedphotosensitive hybrid films with nano-structure.