

عنوان مقاله:

Pore structures study of TiO₂/SiO₂ composites by means of BET/BJH Analyses

محل انتشار:

کنفرانس ملی مهندسی شیمی و نانو فناوری (سال: 1399)

تعداد صفحات اصل مقاله: 3

نویسندگان:

S. Janitabar-Darzi - Nuclear Science and Technology Research Institute, ۱۱۳۶۵-۱۴۸۶, Tehran, Iran

Hajieh Bastami - Technical and Vocational University of Tehran, Dr. Shariaty College, ۱۶۸۵۱-۱۸۹۱۸, Tehran, Iran

خلاصه مقاله:

A new TiO₂/SiO₂ nanocomposit was synthesized via a sol-gel method. Thermal phase transformation studies of the as-prepared composite were carried out to 1100 °C by means of XRD, TGA/DSC and BET/BJH analyses. According to BET/BJH analyses, prepared composites had mesoporous phase and increasing of calcination temperature giverise to decreasing surface area and pore diameter of nanoparticles. These analyses showed sample prepared at 1100 °C has slit-like pores

کلمات کلیدی:

.TiO₂/SiO₂ nanocomposit, Phase Transformation, BET/BJH, TGA/DSC

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1156081>

