



Optica Applicata 2005(Vol.35), No.4, pp. 735-743

Size spectroscopy of porous glasses and porous glasses with metal nanoparticles using UV-VIS and X-ray radiation

Volodymyr Ovechko, Olexander Schur

SEARCH

[Advanced search](#)

Keywords

porous silica, X-ray diffraction (XRD), plasmon, silver nanoparticles

Abstract

UV-VIS and X-rays radiation were used for porous silica (PS) and porous silica with Ag nanoparticles investigations. It has been shown that XRD experiment gives information about the correlation function of heterogeneity in PS. Well-known plasmon resonance in UV spectral region was applied for the concentration and mean diameter of the metal particles determination.



349.1 kB

[Back to list](#)

© Copyright 2007 T.Przerwa-Tetmajer All Rights Reserved 2007

[About Optica Applicata](#)

[Current issue](#)

[Browse archives](#)

[Search](#)

[Editorial Board](#)

[Instructions for Authors](#)

[Ordering](#)

[Contact us](#)