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Deposition of SiO_x layer by plasma-enhanced chemical vapor deposition for the protection of silver (Ag) surfaces

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RADIATION EFFECTS AND DEFECTS IN SOLIDS

Volume: 169 Issue: 3 Pages: 217-224

DOI: 10.1080/10420150.2013.860972

Published: MAR 4 2014

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Abstract

Silver surfaces have been treated with plasma-enhanced chemical vapor deposition to produce SiO₂-like coatings for possible applications in the jewelry industry. Different experimental conditions have been tested in order to optimize the protective effectiveness of the deposited layers. Samples were analyzed with optical and scanning electron microscopy and energy-dispersive spectrometry.

Keywords

Author Keywords: SiO₂-like coating; optical microcopy; scanning electron microscopy; silver surface; scanning electron microscopy; plasma-enhanced chemical vapor deposition

KeyWords Plus: THIN-FILMS; PECVD; STATE

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Publisher

TAYLOR & FRANCIS LTD, 2-4 PARK SQUARE, MILTON PARK, ABINGDON OR14 4RN, OXON, ENGLAND

Categories / Classification

Research Areas: Nuclear Science & Technology; Physics

Web of Science Categories: Nuclear Science & Technology; Physics, Fluids & Plasmas; Physics, Condensed Matter

Document Information

Document Type: Article

Language: English

Accession Number: WOS:000331929000004

ISSN: 1042-0150

eISSN: 1029-4953

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