1. Record Nr. UNIORUON00404268

Autore	LÄGREID, Anneliese
Titolo	Die russischen Lehnwörter im Slovenischen : Die in der ersten Hälfte des 19. Jahrhunderts übernommen Wörter / Annelies Lägreid
Pubbl/distr/stampa	Müunchen, : Rudolf Trofenik, 1973
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Soggetti	LINGUA SLOVENA - LESSICO - PRESTITI LINGUISTICI
Lingua di pubblicazione	Tedesco
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Livello bibliografico	Monografia

2. Record Nr. UNINA9911007367703321

Autore	Bogdanov Viacheslav L
Titolo	Identification of Special-Purpose Structures by Their Fragments Based on Scanning Electron Microscopy / / by Viacheslav L. Bogdanov, Alexander Ya. Grigorenko, Ihor B. Chepkov, Ihor V. Odnoralov, Andrii V. Kuchynskyi, Valerii V. Kremenytskyi, Svitlana O. Sperkach
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
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Altri autori (Persone)	GrigorenkoAlexander Ya ChepkovIhor B OdnoralovIhor V KuchynskyiAndrii V KremenytskyiValerii V SperkachSvitlana O
Disciplina	543.62
Soggetti	X-ray spectroscopy Materials - Microscopy Metals Materials - Analysis Composite materials X-Ray Spectroscopy Microscopy Metals and Alloys

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Nota di contenuto	Analysis of Available Methods of Investigating Metallic and Composite Materials, and the Choice of Optimal Research Methods -- Using Scanning Electron Microscopy for Studying Metal Fragments of Special-Purpose Structures -- Application of Scanning Electron Microscopy for the Study of Fragments of Special-Purpose Structures Made of Composite Materials -- Application of Scanning Electron Microscopy for the Study of Fragments of Radio-Absorbing Composite Materials and Coatings -- Using Scanning Electron Microscopy to Identify Special-Purpose Structures by Their Fragments.
Sommario/riassunto	This book contains previously classified information on the physical and chemical characteristics of metallic and composite materials used in the production of elements of special-purpose structures, and reveals the set of techniques and tools through which this information was obtained. It sets the foundations for the methodology of systematic automated identification of the special-purpose structures by their fragments. The main topics are theoretical foundations and practical results of scanning electron microscopy in determining chemical composition, structure, surface topography and frequency characteristics (reflection and absorption coefficients of electromagnetic waves) of fragments of the structures made of both metal alloys and composite materials. Applied aspects such as the parameters of electromagnetic radiation recommended for effective identification of special-purpose structures made of composite radiation absorbent materials and coatings; development of a scientifically based system for automated identification of the structures by their fragments. The book is aimed at solving the problem to prevent uncontrolled or "gray" transfer of special-purpose products, technologies and materials of military or dual use by forming a scientifically based automatic identification system (by class and country of origin) of special-purpose products by their fragments, using scanning electron microscopy to determine their chemical composition, structure, surface topography, and frequency characteristics. The book is useful to a wide range of specialists in the field of materials science, as well as specialists in the defense sector of industry.