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Publication date: 2004. Volume 9 is a comprehensive guide to metallography and its application in product design and manufacturing. It provides detailed information on a wide range of metallographic techniques and how to interpret the microstructure and phase constituents commonly found in metals and alloys used throughout industry. It addresses composition, sample preparation, imaging technology, and analysis.

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Metallography and Microstructures was published in 2004 as Volume 9 of the ASM Handbook. The Volume was prepared under the direction of the ASM Handbook Committee. Volume Editors The Volume Editor was George F. Vander Voort. Authors and Contributors Brent L. Adams, Brigham Young University

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Introduction to Structures in Metals | Metallography and ...

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Microstructure is the very small scale structure of a material, defined as the structure of a prepared surface of material as revealed by an optical microscope above 25 × magnification. The microstructure of a material (such as metals, polymers, ceramics or composites) can strongly influence physical properties such as strength, toughness, ductility, hardness, corrosion resistance, high/low ...

Microstructure - Wikipedia

Metallography and microstructure of ancient and historic metals/ David A. Scott. p. cm. Includes bibliographical references and index. ISBN 0-89236-195-6 (pbk.) 1. Metallography. 2.

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1. " Conducting the Failure Examination, " ASM .Metals Eng. Q, Vol. 15, May 1975, pp. 31-36. 2. " Analyzing Ductile and Brittle Failures, " ASM Metals Eng. Q ...

Publications List – Vander Voort

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