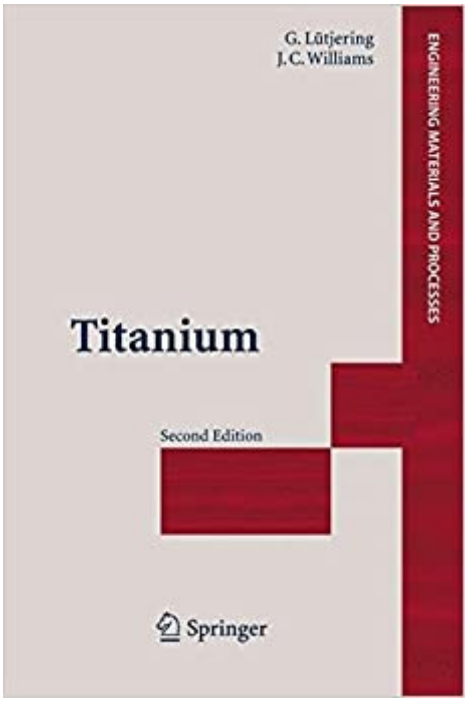
Titanium (Engineering Materials And Processes)



Synopsis

This comprehensive summary of the current state of the art of titanium addresses all aspects of titanium. It is all covered, from the magical metalÃ¢â ¬â„¢s basic characteristics and physical metallurgy to the correlations between processing, microstructure and properties. Richly illustrated with more than 300 figures, this compendium takes a conceptual approach to the physical metallurgy and applications of titanium, making it suitable as a reference and tutorial for materials scientists and engineers.

Book Information

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Customer Reviews

This comprehensive summary of the current state of the art of titanium addresses, in varying levels of detail, all aspects of titanium, including: basic characteristics and physical metallurgy, the extractive metallurgy, the various production processes, the correlations between processing, microstructure and properties, and all aspects of applications including economic ones. The book covers commercially pure (CP) titanium, alpha + beta and beta alloys, as well as titanium based intermetallics and titanium matrix composites. Richly illustrated with more than 300 figures, this compendium takes a conceptual approach to the physical metallurgy and applications of titanium, making it suitable as a reference and tutorial for materials scientists and engineers. In this Second Edition the authors included new information on topics that have emerged after the First Edition was

completed and published in 2003. Ã Â

From the reviews: "This comprehensive summary of the current state of the art of titanium addresses, in varying levels of detail, all aspects of titanium Ã¢â ¬Â¦ . Richly illustrated, this compendium takes a conceptual approach to the physical metallurgy and applications of titanium, making it suitable as a reference and tutorial for materials scientists and engineers." (Materiaux et Techniques, Issue 5-6, 2003) "The book has achieved a comprehensive coverage on physical metallurgy and applications of titanium alloys. It would be suitable for varying levels of people from postgraduate students just entering the titanium field, to experienced researchers and engineers. I started working with titanium in 1998 Ã¢â ¬Â¦ but was still able to find much new and interesting information in this book." (Wei Sha, Materials World, Inc. Metals and Materials, Plastic and Rubber, British Ceramic Jl., Vol. 13 (5), May, 2005)

A excellent book with well-organized, comprehensive and very current knowledges on every major aspects of Ti science and engineering. Good for scientists and engineers of related fields.

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