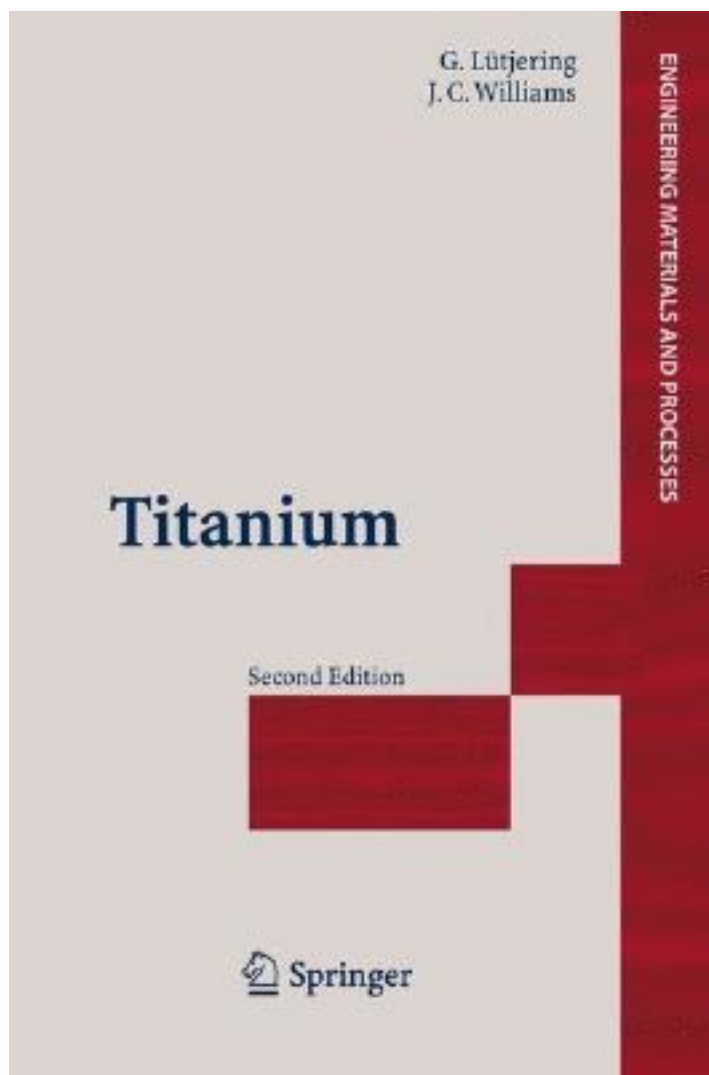


# Titanium



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著者:Sha, Wei/ Malinov, Savko

出版者:

出版时间:

装帧:

isbn:9781439801482

An exploration of modeling techniques for the microstructure and properties of titanium and its alloys, this book discusses experimental techniques such as microscopy, synchrotron radiation X-ray diffraction and differential scanning calorimetry. It reviews physical modelling methods including thermodynamic modelling, the Johnson-Mehl-Avrami method, finite element modelling, the Phase-field method, the cellular automata method, crystallographic and fracture behaviour of titanium aluminide and atomistic simulations of interfaces and dislocations relevant to TiAl. The coverage includes neural network models and surface engineering products. Multi/Card Deck Copy

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