

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering)

W Sha, Xiaomin Wu, K G Keong



Click here if your download doesn"t start automatically

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering)

W Sha, Xiaomin Wu, K G Keong

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) W Sha, Xiaomin Wu, K G Keong Unlike electroplating, electroless plating allows uniform deposits of coating materials over all surfaces, regardless of size, shape and electrical conductivity. Electroless copper and nickel-phosphorus deposits provide protective and functional coatings in industries as diverse as electronics, automotive, aerospace and chemical engineering. This book discusses the latest research in electroless depositions.

After an introductory chapter, part one focuses on electroless copper depositions reviewing such areas as surface morphology and residual stress, modelling surface structure, adhesion strength of electroless copper deposit, electrical resistivity and applications of electroless copper deposits. Part two goes on to look at electroless nickel-phosphorus depositions with chapters on the crystallisation of nickel-phosphorus deposits, modelling the thermodynamics and kinetics of crystallisation of nickel-phosphorus deposits, artificial neural network (ANN) modelling of crystallisation temperatures, hardness evolution of nickel-phosphorus deposits and applications of electroless nickel-phosphorus deposits.

Written by leading experts in the field Electroless copper and nickel-phosphorus plating: Processing, characterisation and modelling is an invaluable guide for researchers studying electroless deposits or materials science as well as for those working in the chemical, oil and gas, automotive, electronics and aerospace industries.

- Written by leading experts in the field, this important book reviews the deposition process and the key properties of electroless copper and nickel-phosphorus deposits as well as their practical applications
- Chapters review areas such as surface morphology and residual stress, modelling surface structure, crystallisation of nickel-phosphorus deposits and hardness evolution
- An invaluable guide for researchers studying electroless deposits or materials science as well as for those working in the chemical, oil and gas, automotive, electronics and aerospace industries

Download Electroless Copper and Nickel-Phosphorus Plating: ...pdf

Read Online Electroless Copper and Nickel-Phosphorus Plating ...pdf

Download and Read Free Online Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) W Sha, Xiaomin Wu, K G Keong

From reader reviews:

Corene Albert:

Book will be written, printed, or highlighted for everything. You can recognize everything you want by a guide. Book has a different type. As we know that book is important issue to bring us around the world. Close to that you can your reading ability was fluently. A guide Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) will make you to end up being smarter. You can feel a lot more confidence if you can know about every thing. But some of you think which open or reading a new book make you bored. It is not make you fun. Why they could be thought like that? Have you searching for best book or suitable book with you?

James Furlow:

Nowadays reading books become more and more than want or need but also be a life style. This reading addiction give you lot of advantages. The advantages you got of course the knowledge the rest of the information inside the book this improve your knowledge and information. The knowledge you get based on what kind of guide you read, if you want attract knowledge just go with knowledge books but if you want sense happy read one along with theme for entertaining like comic or novel. Typically the Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) is kind of publication which is giving the reader unforeseen experience.

Willie Navarro:

People live in this new day time of lifestyle always try and must have the spare time or they will get lots of stress from both everyday life and work. So, when we ask do people have free time, we will say absolutely yes. People is human not just a robot. Then we question again, what kind of activity do you have when the spare time coming to anyone of course your answer can unlimited right. Then do you try this one, reading books. It can be your alternative in spending your spare time, often the book you have read is definitely Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering).

Charlotte Lee:

Do you like reading a reserve? Confuse to looking for your favorite book? Or your book seemed to be rare? Why so many issue for the book? But any people feel that they enjoy to get reading. Some people likes reading, not only science book but additionally novel and Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) or even others sources were given know-how for you. After you know how the fantastic a book, you feel need to read more and more. Science e-book was created for teacher as well as students especially. Those publications are helping them to increase their knowledge. In additional case, beside science publication, any other book likes Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) to make your spare time more colorful. Many types of book like this one.

Download and Read Online Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) W Sha, Xiaomin Wu, K G Keong #S2EC0NILTWY

Read Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong for online ebook

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong books to read online.

Online Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong ebook PDF download

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong Doc

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong Mobipocket

Electroless Copper and Nickel-Phosphorus Plating: Processing, Characterisation and Modelling (Woodhead Publishing Series in Metals and Surface Engineering) by W Sha, Xiaomin Wu, K G Keong EPub