



## Advances in Materials Problem Solving with the Electron Microscope: Volume 589 (Paperback)

By -

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2014. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book was motivated by the remarkable advances that continue to be made in electron microscope instrumentation and techniques for applications to materials science. Advances include quantitative high-resolution imaging, atomic-resolution Z-contrast imaging, elemental mapping by energy-filtered TEM or spectrum imaging, atomic resolution EELS for composition and bonding, quantitative CBED, site- occupancy determination by ALCHEMI, electron holography, EBSP in the SEM for phase identification and orientation imaging microscopy, low-voltage microanalysis of bulk specimens, and in situ experiments of dynamic phenomena. The book emphasizes how these recent developments in electron microscopy are being used to solve materials problems. It features different groups of materials or microstructural components rather than electron microscope techniques or instrumentation. Papers focus on low-energy electron microscopy of surfaces, crystallography, defects, specimen preparation, and interfaces in metals and ceramics. Technological applications include magnetic materials, microelectronic materials, partially ordered and nanophase materials, polymers, ceramics, metallic alloys, concrete, biomaterials, and glasses.



**READ ONLINE**

[ 1.75 MB ]

### Reviews

*Certainly, this is actually the best job by any article writer. It can be loaded with knowledge and wisdom I realized this pdf from my i and dad advised this book to discover.*

-- **Ms. Verlie Goyette**

*A new electronic book with a new perspective. Better then never, though i am quite late in start reading this one. Your life period will be change the instant you comprehensive looking at this pdf.*

-- **Dr. Constantin Marks II**

## See Also



### **Book Finds: How to Find, Buy, and Sell Used and Rare Books (Revised)**

Perigee. PAPERBACK. Book Condition: New. 0399526544 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREEtracking!!\* L...



### **9787538661545 the new thinking extracurricular required reading series 100 - fell in love with the language: interesting language story(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-04-01 Pages: 174 Publisher: Jilin Fine Arts Publishing House title: New Thinking Class Reading Series - fell in...



### **The Old Peabody Pew (Dodo Press)**

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 224 x 150 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



### **The Village Watch-Tower (Dodo Press)**

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



### **Rose O the River (Illustrated Edition) (Dodo Press)**

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. George Wright (illustrator). Illustrated. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She...



### **The Birds Christmas Carol (Dodo Press)**

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 221 x 147 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...