



Nanostructured Thin Films and Nanodispersion Strengthened Coatings

By -

Springer. Paperback. Book Condition: New. Paperback. 322 pages. Dimensions: 9.4in. x 6.3in. x 0.7in. This volume contains proceedings of the NATO-Russia Advanced Research Workshop on Nanostructured Thin Films and Nanodispersion Strengthened Coatings (December, 2003, Moscow). During this Workshop leading researchers from twelve countries had presented and discussed most recent developments in the fields of plasma physics and surface engineering related to the preparation and applications of nanostructured thin films and nanodispersion strengthened coatings. These presentations are encompassed in 31 individual chapters. The chapters are assembled in five parts in according to the workshop sessions. Part I is a compilation of chapters on hard and tribological coatings. The recent advances in this area are significant in that it is now possible to engineer strong, hard, and tough coatings that can operate at temperatures higher than 1200 C and exhibit smart, adaptive characteristics. These coatings are based on an amorphous matrix, e. g. nitrides, carbides, borides, or carbon, in which there is a controlled nucleation and growth of ultra hard nanoparticles of crystalline carbides, nitrides, borides and oxides. The critical feature is the control of both the particle size, i. e. , less than 10 nm, and interpartical spacing of a few nanometers....



READ ONLINE
[2.94 MB]

Reviews

Extensive information for book fans. It is written in basic words and never hard to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Otis Wisoky**

This publication is great. It is full of wisdom and knowledge You will not really feel monotony at any time of the time (that's what catalogs are for relating to when you ask me).

-- **Dr. Everett Dicki DDS**

See Also



DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs to life. Join the ducklings, cows, and...



DK Readers Disasters at Sea Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. From fog, ice, and rocks to cannon fire and torpedo attacks--read the story of five doomed sea voyages and the fate of those who took part in them....



DK Readers Animal Hospital Level 2 Beginning to Read Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.8in. x 0.1in. This Level 2 book is appropriate for children who are beginning to read alone. When Jack and Luke take an injured duck to the vet, it is just...



DK READERS Pirates Raiders of the High Seas

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.9in. x 0.2in. Meet Pirates who got away with murder... and pirates who died in the hangmans noose! These 48-page books about fascinating subjects like pirates, mummies, and volcanoes...



Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large

Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. This book is about my cousin, Billy a guy who taught me a lot over the years and who can teach you a lot. Everyone who...



Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One

Balboa Press. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. We all have dreams of what we want to do and who we want to become. Many of us eventually decide it is too late; we have missed...