

## How to make nano-waves on solid surfaces : A theoretical study on surface nano-fabrication by ion-beam sputtering, based on Monte Carlo computer simulations



Filesize: 3.11 MB

### **Reviews**

*If you need to adding benefit, a must buy book. Better then never, though i am quite late in start reading this one. I discovered this publication from my i and dad advised this pdf to find out.*


*(Mrs. Glenda Rodriguez)*

## HOW TO MAKE NANO-WAVES ON SOLID SURFACES : A THEORETICAL STUDY ON SURFACE NANO-FABRICATION BY ION-BEAM SPUTTERING, BASED ON MONTE CARLO COMPUTER SIMULATIONS

[DOWNLOAD](#)

VDM Verlag Sep 2010, 2010. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - Self-organized, nano-scale structures appear on solid surfaces under ion beam irradiation with ion energies in the keV range. Within the last decade, surface engineering by ion beam sputtering (IBS) has become a very promising candidate for bottom-up production techniques of nano-devices. Morphologies like ripples, and regular arrays of dots, pyramids and pits as well as ultra-smooth surfaces have been obtained on a wide variety of substrates, including important semiconductor materials like Si, Ge, GaAs and InP. In spite of many substantial improvements of experimental surface structuring by IBS, the physical mechanisms underlying the pattern formation are still poorly understood. In this book we report the results obtained by usage of a Kinetic Monte Carlo simulations and continuum theory to study the physical mechanisms in atomic scale, which lead to pattern formation in general, as well as further possibilities to improve and fine-tune the properties of emerging patterns. 156 pp. Englisch.

 [Read How to make nano-waves on solid surfaces : A theoretical study on surface nano-fabrication by ion-beam sputtering, based on Monte Carlo computer simulations Online](#)

 [Download PDF How to make nano-waves on solid surfaces : A theoretical study on surface nano-fabrication by ion-beam sputtering, based on Monte Carlo computer simulations](#)

## Related Books



**My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests**

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts...

[Read PDF »](#)



**My Ebay Sales Suck!: How to Really Make Money Selling on Ebay**

Createspace, United States, 2013. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.What s your eBay story? My name is Nick Vulich. Over the years...

[Read PDF »](#)



**Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned**

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Mr. George Smith, a children s book author, has been...

[Read PDF »](#)



**Absolutely Lucy #4 Lucy on the Ball A Stepping Stone BookTM**

Random House Books for Young Readers. Paperback. Book Condition: New. David Merrell (illustrator). Paperback. 112 pages. Dimensions: 7.4in. x 5.1in. x 0.4in. Ilene Coopers fourth story of a boy and his beagle takes Bobby and Lucy...

[Read PDF »](#)



**On Your Case: A Comprehensive, Compassionate (and Only Slightly Bossy) Legal Guide for Every Stage of a Woman s Life**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 132 mm. Language: English . Brand New Book. Compelling. . . . A must-read for all women. Lee Woodruff, New York Times...

[Read PDF »](#)