



Molecular Beam Epitaxy of Graphene on Gold Foils: Growth and Characterization

By Anand Sampat

GRIN Verlag Feb 2013, 2013. Taschenbuch. Book Condition: Neu. 210x148x4 mm. This item is printed on demand - Print on Demand Neuware - Master's Thesis from the year 2012 in the subject Materials Science, grade: -, University of California, Berkeley, language: English, comment: Research conducted was done at Lawrence Berkeley National Laboratory and UC Berkeley and was completed within one year (5th year MS program)., abstract: The application of graphene for large-area electronics requires controllable growth of single crystalline quasi-freestanding graphene films. Controllable growth of graphene films on gold foils at various temperatures using molecular beam epitaxy is shown. Film quality and electrical characteristics probed using Hall measurement, Raman spectroscopy, and Rutherford backscattering spectrometry are shown to improve at lower temperature possibly peaking at ~825 C. Further experiments are required to assess a stronger correlation between growth parameters and film characteristics. In particular, varying carbon flux and increasing the number of growths are discussed. 52 pp. Englisch.



READ ONLINE
[5.9 MB]

Reviews

Completely among the finest pdf I actually have ever read through. it was actually writtern extremely completely and beneficial. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Santos Metz

Very good eBook and beneficial one. It generally is not going to price a lot of. I discovered this ebook from my i and dad advised this book to learn.

-- Tyrel Bartell

You May Also Like

**Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph**

Free Press. Hardcover. Book Condition: New. 1439143102 SHIPS WITHIN 24 HOURS!! (SAME BUSINESS DAY) GREAT BOOK!!.

**Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products**

Fair Winds Press, 2006. Paperback. Book Condition: New. Brand new books and maps available immediately from a reputable and well rated UK bookseller - not sent from the USA; despatched promptly and reliably worldwide by Royal Mail;

**Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success**

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How can inclusive early educators plan and deliver...

**Dom's Dragon - Read it Yourself with Ladybird: Level 2**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Dom's Dragon - Read it Yourself with Ladybird: Level 2, Mandy Ross, One day, Dom finds a little red egg and soon he is the owner of a friendly dragon called Glow! But...

**Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age**

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video Games. iPods. Kids today are plugged into...

**A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)**

Dover Publications, 2011. Paperback. Book Condition: New. No Jacket. New paperback book copy of A Dog of Flanders by Ouida (Marie Louise de la Ramee). Unabridged in easy to read type. Dover Children's Thrift Classic. Reprint of original edition. Green edition. Mineola...