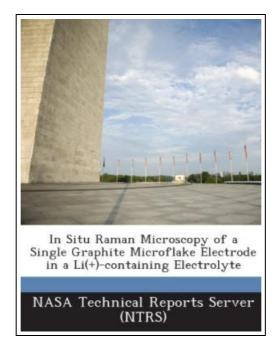
## In Situ Raman Microscopy of a Single Graphite Microflake Electrode in a Li()-Containing Electrolyte



Filesize: 6.04 MB

## Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.

(Kade Ankunding)

# IN SITU RAMAN MICROSCOPY OF A SINGLE GRAPHITE MICROFLAKE ELECTRODE IN A LI()-CONTAINING ELECTROLYTE



Bibliogov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 24 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Highly detailed Raman spectra from a single KS-44 graphite microflake electrode as a function of the applied potential have been collected in situ using a Raman microscope and a sealed spectroelectrochemical cell isolated from the laboratory environment. Correlations were found between the Raman spectral features and the various Li() intercalation stages while recording in real time Raman spectra during a linear potential scan from 0. 7 down ca. 0. 0V vs LiLi() at a rate of 0. 1 mVs in a 1M LiClO4 solution in a 1: l (by volume) ethylene carbonate (EC): diethyl carbonate (DEC) mixture. In particular, clearly defined isosbestic points were observed for data collected in the potential range where the transition between dilute phase 1 and phase 4 of lithiated graphite is known to occur, i. e. 0. 157 E 0. 215 vs LiLi(). Statistical analysis of the spectroscopic data within this region made it possible to determine independently the fraction of each of the two phases present as a function of potential without relying on coulometric information and then predict, based on the proposed stoichiometry for the transition, a spectrally-derived voltammetric feature. This item ships from La Vergne, TN. Paperback.



Read In Situ Raman Microscopy of a Single Graphite Microflake Electrode in a Li()-Containing Electrolyte Online Download PDF In Situ Raman Microscopy of a Single Graphite Microflake Electrode in a Li()-Containing Electrolyte

### **Related PDFs**



#### **Animalogy: Animal Analogies**

Sylvan Dell Publishing. Paperback. Book Condition: New. Cathy Morrison (illustrator). Paperback. 32 pages. Dimensions: 9.8in. x 8.4in. x 0.4in.Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible...

**Download Document** 

>>



 $The Whale Tells \ His \ Side of the \ Story \ Hey \ God, \ Ive \ Got \ Some \ Guy \ Named \ Jonah \ in \ My \ Stomach \ and \ I \ Think \ Im \ Gonna \ Throw \ Up$ 

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in.Oh sure, well all heard the story of Jonah and the Whale a hundred times. But have we...

**Download Document** 

>>



#### God Loves You. Chester Blue

Henry and George Press. Paperback. Book Condition: New. Ursula Andrejczuk (illustrator). Paperback. 140 pages. Dimensions: 8.0in. x 5.2in. x 0.3in.BEAUTIFUL NEW ILLUSTRATIONS BRING THE STORY TO LIFE!A charming book about a mysterious bear that shows...

**Download Document** 

»



#### Good Night, Zombie Scary Tales

Feiwel & Friends. Paperback. Book Condition: New. Iacopo Bruno (illustrator). Paperback. 112 pages. Dimensions: 8.2in. x 5.4in. x 0.2in.Welcome. Have a seat. Ignore the shambling undead outside. Let us tell you a story. But be...

**Download Document** 

»



#### Molly on the Shore, BFMS 1 Study score

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in.Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

Download Document

»