

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



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

NASA Technical Reports Server
(NTRS)

Filesize: 8.62 MB

Reviews

These types of book is the greatest ebook readily available. I was able to comprehended every little thing using this published e pdf. I realized this pdf from my dad and i encouraged this publication to discover.

(Dr. Porter Mitchell)

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

[DOWNLOAD PDF](#)

To download **In Situ Raman Microscopy of a Single Graphite Microflake Electrode in a Li()-Containing Electrolyte** eBook, remember to follow the web link below and download the file or gain access to other information which are have conjunction with IN SITU RAMAN MICROSCOPY OF A SINGLE GRAPHITE MICROFLAKE ELECTRODE IN A Li()-CONTAINING ELECTROLYTE ebook.

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: 1 (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](#)

See Also



[PDF] **Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Follow the web link beneath to download "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" document.

[Download eBook »](#)



[PDF] **The Red Leather Diary: Reclaiming a Life Through the Pages of a Lost Journal (P.S.)**

Follow the web link beneath to download "The Red Leather Diary: Reclaiming a Life Through the Pages of a Lost Journal (P.S.)" document.

[Download eBook »](#)



[PDF] **Read Write Inc. Phonics: Green Set 1 Storybook 4 the Spell**

Follow the web link beneath to download "Read Write Inc. Phonics: Green Set 1 Storybook 4 the Spell" document.

[Download eBook »](#)



[PDF] **Baby Tips for New Moms Vol 1 First 4 Months by Jeanne Murphy 1998 Paperback**

Follow the web link beneath to download "Baby Tips for New Moms Vol 1 First 4 Months by Jeanne Murphy 1998 Paperback" document.

[Download eBook »](#)



[PDF] **Diary of a Blaze Boy: The War Between Mobs and Miners: An Unofficial Minecraft Family War Story (Adventure, Friendship, Monsters, Nether, Herobrine Books)**

Follow the web link beneath to download "Diary of a Blaze Boy: The War Between Mobs and Miners: An Unofficial Minecraft Family War Story (Adventure, Friendship, Monsters, Nether, Herobrine Books)" document.

[Download eBook »](#)



[PDF] **Adobe Photoshop 7.0 - Design Professional**

Follow the web link beneath to download "Adobe Photoshop 7.0 - Design Professional" document.

[Download eBook »](#)