

# Graphite Intercalation Compounds

By S. Tanuma



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[http://link.springer.com/chapter/10.1007/10332996\\_33](http://link.springer.com/chapter/10.1007/10332996_33)

### **Molecular-Sieve Type Sorption on Alkali Graphite -**

Molecular-sieve type sorption on alkali graphite intercalation compounds BY K. WATANABE, T. KONDOW, M. SOMA, T intercalation compounds of graphite.  
<http://www.jstor.org/stable/78413>

### **Graphite intercalation compound - Wikipedia, the -**

Graphite intercalation compounds have fascinated materials scientists for many years owing to their diverse electronic and electrical properties. Superconductivity  
[http://en.wikipedia.org/wiki/Graphite\\_intercalation\\_compound](http://en.wikipedia.org/wiki/Graphite_intercalation_compound)

### **CiteSeerX Intercalation compounds of graphite -**

A broad review of recent research work on the preparation and the remarkable properties of intercalation compounds of graphite,  
<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.170.2655>

### **Intercalation (chemistry) - Wikipedia, the free -**

Examples are found in graphite intercalation compounds. Model of intercalation of potassium into graphite. Many layered solids intercalate guest molecules.  
[http://en.wikipedia.org/wiki/Intercalation\\_compounds](http://en.wikipedia.org/wiki/Intercalation_compounds)

### **Absolute spin susceptibility of K- graphite -**

Absolute spin susceptibility of K-graphite intercalation compounds and Suematsu, H.; Tanuma, S. Affiliation: AA is smaller in acceptor compounds than  
<http://adsabs.harvard.edu/abs/1984SSCom..50..375I>

### **Intercalation compounds of graphite - Advances in -**

A broad review of recent research work on the preparation and the remarkable properties of intercalation compounds of graphite, graphite intercalation compounds S  
<http://www.tandfonline.com/doi/abs/10.1080/00018738100101367>

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### **Sei-ichi Tanuma -**

Interests: Chemical Physics & Material Physics, Condensed Matter Physics K. Okabe, S. Tanuma, I Ammonia absorption in calcium graphite intercalation compound:  
<http://academic.research.microsoft.com/Author/12634500/sei-ichi-tanuma>

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<https://hal.archives-ouvertes.fr/docs/00/22/16/18/PDF/ajp-jphyscol198142C682.pdf>

### **Graphite Intercalation Compounds -**

Graphite Intercalation Compounds. Buy: USD30.00. 10.1063/1.881095. By Hiroshi Kamimura; Tue Dec 01 00:00:00 UTC 1987 Previous Article; ARTICLES; Next Article

<http://scitation.aip.org/content/aip/magazine/physicstoday/article/40/12/10.1063/1.881095>

### **Graphite intercalation compounds I : structure -**

Graphite intercalation compounds I : structure and dynamics. [H Zabel; S A Solin; D M Hwang; et al] # Graphite intercalation compounds schema:

<http://www.worldcat.org/title/graphite-intercalation-compounds-i-structure-and-dynamics/oclc/20827925>

### **Graphite Intercalation Compounds I - Structure -**

Graphite Intercalation Compounds I Structure and Dynamics. Editors: Zabel, Hartmut, Solin, Stuart A. (Eds.) Buy this book eBook \$109.00

<http://www.springer.com/us/book/9783642752728>

### **Graphite intercalation compound -**

The properties of graphite intercalation compounds (GIC's) are discussed with respect to possible applications. Five families of intercalates give high electrical

[http://www.animalsillustrated.com/q/Graphite\\_intercalation\\_compound](http://www.animalsillustrated.com/q/Graphite_intercalation_compound)

### **Thermoelectric Properties and Electrical Transport -**

Keywords: graphite intercalation compound, thermoelectric property, Thermoelectric Properties and Electrical Transport of Graphite Intercalation Compounds 1611.

<http://www.jim.or.jp/journal/e/pdf3/50/07/1607.pdf>

### **The ultramicrostructure of commensurate graphite -**

The ultramicrostructure of commensurate graphite intercalation compounds View the table of contents for this issue, or go to the journal homepage for more

<http://iopscience.iop.org/0022-3719/17/15/004/pdf/jcv17i15p2641.pdf>

### **Graphite and Graphite Intercalation Compounds -**

Intercalation Compounds (GICs) Carbon taken from [web14] Carbon is a 4th column element with the electronic configuration  $[\text{He}]2s^2 2p^2$ . It is most common in organic

[http://www.pi1.uni-stuttgart.de/lehre/ws\\_2013-2014/handout.pdf](http://www.pi1.uni-stuttgart.de/lehre/ws_2013-2014/handout.pdf)

### **Superconductivity of Graphite Intercalation -**

The superconductivity of graphite intercalation compounds was first ed. by S. Tanuma,

[http://link.springer.com/chapter/10.1007/978-3-642-84479-9\\_5](http://link.springer.com/chapter/10.1007/978-3-642-84479-9_5)

### **Synthesis of intercalation compounds of alkali -**

Synthesis of intercalation compounds of alkali metal atoms and a halogen molecule with quasi one dimensional carbon crystal "carbolite" Authors: Tanuma, S

<http://www.ingentaconnect.com/content/els/03796779/1997/00000086/00000001/art80947%3Bjsessionid=loi53eocj9rw.alice?format=print>

### **Superconductivity in Li Ca C intercalated graphite -**

In this letter, we report the discovery of superconductivity in  $\text{Li}_3\text{Ca}_2\text{C}_6$ . Several graphite intercalation compounds (GICs) with electron donors, are well known as

<http://arxiv.org/pdf/cond-mat/0512114>

### **Superconductivity of graphite intercalation -**

IYE Y.; TANUMA S.-I.; Affiliation(s) du ou des auteurs / Author(s) Affiliation(s) Intercalation compound; Graphite; Potassium; Rubidium; Potassium;

<http://cat.inist.fr/?aModele=afficheN&cpsid=9426455>

### **Graphite Intercalation with Large Anions -**

Graphite Intercalation with Large Fluoroanions Graphite Intercalation with Large Anions Author: Michael Lerner Last modified by: Lerner, Michael M. Created Date:

<http://chemistry.oregonstate.edu/courses/ch412/Graphite%20Intercalation%20with%20Large%20Anions.ppt>

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[http://www.digplanet.com/wiki/Graphite\\_intercalation\\_compounds](http://www.digplanet.com/wiki/Graphite_intercalation_compounds)

### **Superconductivity in the Intercalated Graphite -**

Superconductivity in the Intercalated Graphite graphite intercalation compounds C6Yb and C6Ca, Higuchi, K. & Tanuma, S., Superconductivity in graphite-

<http://arxiv.org/pdf/cond-mat/0503570v1>

### **Graphite Intercalation Compounds: S. Tanuma, H -**

Graphite Intercalation Compounds [S. Tanuma, H. Kamimura] on Amazon.com. \*FREE\* shipping on qualifying offers.

<http://www.amazon.com/Graphite-Intercalation-Compounds-S-Tanuma/dp/9971978962>

### **Applications of graphite intercalation compounds -**

The properties of graphite intercalation compounds (GIC's) rapid heating of GIC's or their residue compounds leads to flexible graphite sheets which have great

<http://journals.cambridge.org/action/displayAbstract?aid=7936793>

### **Phase diagrams for alkali metal graphite -**

Phase diagrams for alkali metal graphite intercalation compounds S E Millman, G Kirczenow and D Solenberger Department of Physics, Boston University,

<http://iopscience.iop.org/0022-3719/15/36/003/pdf/jcv15i36pL1269.pdf>

### **Graphite Intercalation Compounds II: Transport -**

Graphite Intercalation Compounds II: Transport and Electronic Properties (Springer Series in Materials Science) [Hartmut Zabel, Stuart A. Solin, G.L. Doll, G

<http://www.amazon.com/Graphite-Intercalation-Compounds-Electronic-Properties/dp/3642844812>

### **Graphite Intercalation Compounds and Applications -**

They have specific structural features based on the alternating stacking of graphite and guest Graphite Intercalation Compounds and Applications

<https://global.oup.com/academic/product/graphite-intercalation-compounds-and-applications-9780195128277>

### **Magnetostriction of pristine graphite and SbCl5- -**

Magnetostrictive strain in pristine highly oriented pyrolytic graphite graphite intercalation compounds (GIC's) and S. TANUMA Xlu7 5 LJ i

<http://www.sciencedirect.com/science/article/pii/0008622385900302>

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<http://www.barnesandnoble.com/w/graphite-intercalation-compounds-s-tanuma/1113508322?ean=9789971978969>

**De Haas-van Alphen effect of SbCl<sub>5</sub>- graphite -**

Title: De Haas-van Alphen effect of SbCl<sub>5</sub>-graphite intercalation compounds. I, II: Authors: Yosida, Y.; Tanuma, S.-I. Affiliation: AA(Toyama University, Toyama, Japan

<http://adsabs.harvard.edu/abs/1985JPSJ...54..701Y>

**Patent US8753539 - Environmentally benign graphite -**

et al., Method of Producing a Graphite Intercalation Compound, U.S. Pat. No. 4,350,576 - Privacy Policy - Terms of Service - About Google Patents - Send

<http://www.google.com/patents/US8753539>

**Raman spectroscopy of graphite intercalation -**

Raman spectroscopy of graphite intercalation compounds: Graphite intercalation compounds under electrochemical intercalation have been and S. Tanuma,

<http://onlinelibrary.wiley.com/doi/10.1002/pssb.201451477/full>

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