


[DOWNLOAD](#)


## FULLERENE-BASED SYSTEMS AS PROSPECTIVE SPIN CLUSTER QUBITS

By Polad, Serkan

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | QUANTUM MECHANICAL TREATMENT OF DIMER AND TRIMER FULLERENE SYSTEMS DOPED WITH VARIOUS METAL AND NON-METAL ELEMENTS | Starting with Richard Feynman's idea of possibility of quantum mechanical computers success of the special quantum algorithms proposed by Deutsch and Jozsa, Grover and Shor attracted the field of physical implementations of quantum computers. We already know that carbon based materials have attracted huge interest in chemistry, physics, material science and biology after the discovery of C60 fullerene, carbon nanotube and endohedral fullerene. Endohedrally doped fullerene chains can be a promising candidates in spin based quantum computer proposals because carbon based materials believed to have long spin coherence times due to low spin orbit coupling and provide isolated electronic properties allowing well defined spin-qubits. Nuclear or electron spins of metal and non-metal atoms inside the fullerenes serve as spin-qubits in these systems. The book contains the first principle electronic structure calculations of Li,Na,N and P doped carbon dimer and trimer fullerenes in order to investigate their spin qubit properties in the field of fullerene based quantum computer proposals. | Format: Paperback | Language/Sprache: english | 108 pp.



[READ ONLINE](#)  
[ 5.17 MB ]

### Reviews

*The most effective book i ever read through. it had been writtern quite flawlessly and valuable. I am just happy to let you know that here is the very best publication i have got read through during my individual daily life and may be he greatest pdf for ever.*

*-- Prof. Adonis Rodriguez*

*Comprehensive information for publication fans. I have got read and i am confident that i am going to likely to go through once again once again in the foreseeable future. I am just very happy to let you know that this is actually the greatest book i have read in my very own existence and could be he finest book for at any time.*

*-- Clair Windler*

## Related PDFs



### [Would It Kill You to Stop Doing That?](#)

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



### [Violet Rose and the Surprise Party](#)

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



### [The Well-Trained Mind: A Guide to Classical Education at Home \(Hardback\)](#)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to give your child an academically rigorous, comprehensive...



### [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...



### [Instrumentation and Control Systems](#)

Elsevier Science & Technology. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Instrumentation and Control Systems, William Bolton, In a clear and readable style, Bill Bolton addresses the basic principles of modern instrumentation and control systems, including examples of the latest...



### [Access2003 Chinese version of the basic tutorial \(secondary vocational schools teaching computer series\)](#)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 192 Publisher: People's Post Pub. Date :2011-10-01 version 1. Access 2003 Tutorial Chinese version of With a complete database...