

Semiconductor Spintronics And Quantum Computation

Spintronics - Wikipedia, the free encyclopedia -

leading to spin lifetimes of milliseconds in semiconductor quantum dots at low temperatures. Optical computing; Quantum computing; Quantum cryptography; RFID.

<http://en.wikipedia.org/wiki/Spintronics>

Semiconductors: Applications in spintronics and -

1 Tatiana G. Rappoport Advanced Summer School Cinvestav 2005 Semiconductors: Applications in spintronics and quantum computation

<http://www.if.ufrj.br/~tgrappoport/mexico/rappoport5.pdf>

Center for Spintronics and Quantum Computation -

that rely on the electronic and photonic manipulation of quantum information in semiconductors. for Spintronics and Quantum Computation

<http://www.csqc.ucsb.edu/>

IEEE Xplore Abstract - Semiconductor spintronics: -

field of spintronics, with potential applications in logic and quantum computation. In current semiconductor based semiconductor quantum

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&tp=&arnumber=6629283&queryText%3Dspintronics>

Semiconductors: Nanostructures and applications -

In this serie of lectures we present some of the basic issues in semiconductor spintronics at an and its applications in quantum computation. Abstract Text:

<http://adsabs.harvard.edu/abs/2006AIPC..809..326R>

IBM100 - The Application of Spintronics -

important in facilitating the development of the first quantum computer. be stored in semiconductors, CENTER FOR SPINTRONICS AND QUANTUM COMPUTATION

<http://www-03.ibm.com/ibm/history/ibm100/us/en/icons/spintronics/>

Semiconductor Spintronics for Quantum Computation -

offers several potential approaches towards solid-state quantum computation. spins embedded in semiconductors Semiconductor Spintronics for Quantum

http://link.springer.com/chapter/10.1007%2F978-1-4020-6137-0_1

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<http://www.worldcat.org/title/semiconductor-spintronics-and-quantum-computation/oclc/49355868>

References - Home | Boston University Physics -

The use of spin in electronic circuitry is a tantalizing method to increase computer performance. Semiconductor Spintronics and Quantum computation.

<http://physics.bu.edu/~goldberg/Bishop-543/PY354-03/PY543-presentations/Spintronics%20Paper.docx>

Colton Research Group: Home - BYU Physics and -

Welcome. Welcome to the The main research focus in our lab is the optical investigation of semiconductors and various semiconductor Spintronics/Quantum Computing.

<http://www.physics.byu.edu/research/coltonlab/>

Semiconductor Spintronics AND Quantum Computation -

Semiconductor Spintronics and Quantum Computation Awschalom, David D. (Editor)/ in Books, Magazines, Textbooks | eBay

<http://www.ebay.com.au/itm/Semiconductor-Spintronics-and-Quantum-Computation-Awschalom-David-D-Editor-/231615595171>

CiteULike: Semiconductor spintronics and quantum -

D. Awschalom, D. Loss, N. Samarth. (09 August 2002). {The manipulation of electric charge in bulk semiconductors and their heterostructures is the basis of nearly all

<http://www.citeulike.org/user/asawin/article/365346>

Semiconductor Spintronics and Quantum Computation -

NanoScience and Technology Semiconductor Spintronics and Quantum Computation von D.D Awschalom, D Loss, N Samarth 1. Auflage Springer-Verlag Berlin Heidelberg 2002

http://www.beck-shop.de/fachbuch/inhaltsverzeichnis/9783540421764_TOC_001.pdf

Physics - Trend: Spintronics without magnetism -

important advances have been made in semiconductor spintronics by using these Semiconductor Spintronics and Quantum Computation, edited by D. D

<http://physics.aps.org/articles/v2/50>

Spintronics - ASDN -

There are many schemes proposed for quantum computing This web page is an excerpt from the chapter "Fundamentals of Spintronics in Metal and Semiconductor

<http://www.asdn.net/asdn/electronics/spintronics.shtml>

9783540421764 - Semiconductor Spintronics and -

Semiconductor Spintronics and Quantum Computation by Editor-D.D. Awschalom; Editor-D. Loss; Editor-N. Samarth ISBN: 9783540421764 / 3540421769 Hardcover; Springer;

<http://www.biblio.com/9783540421764>

Spintronics and quantum computing: switching -

Quantum computing and quantum communication are remarkable and Applications of Spin-Related Phenomena in Semiconductors. Spintronics and quantum computing:

<http://www.sciencedirect.com/science/article/pii/S1386947701001369>

Quantum spintronics: engineering and manipulating -

Quantum spintronics: engineering and manipulating atom Center for Spintronics and Quantum Computation, charges and spins in semiconductors. Quantum control

<http://www.ncbi.nlm.nih.gov/pubmed/23471400>

Spintronics and quantum computing 1Web.Me -

Posted to Spintronics and quantum computing. SEMICONDUCTOR SPINTRONICS FOR QUANTUM COMPUTATION. and Spin Quantum Computation. Spintronics, or spin electronics,

<http://1web.me/web/spintronics-and-quantum-computing>

Quantum Spintronics: Engineering and Manipulating -

1 Center for Spintronics and Quantum Computation, University of California isolating and controlling quantum coherence using charges and spins in semiconductors.

<http://www.sciencemag.org/content/339/6124/1174.abstract>

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<http://www.openisbn.com/preview/3540421769/>

Keywords: Spintronics, Quantum Information, -

Keywords: Spintronics, Quantum Information, Semiconductor Physics The negatively-charged nitrogen-vacancy 1 Center for Spintronics and Quantum Computation,

<http://arxiv.org/pdf/1201.4420v2>

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