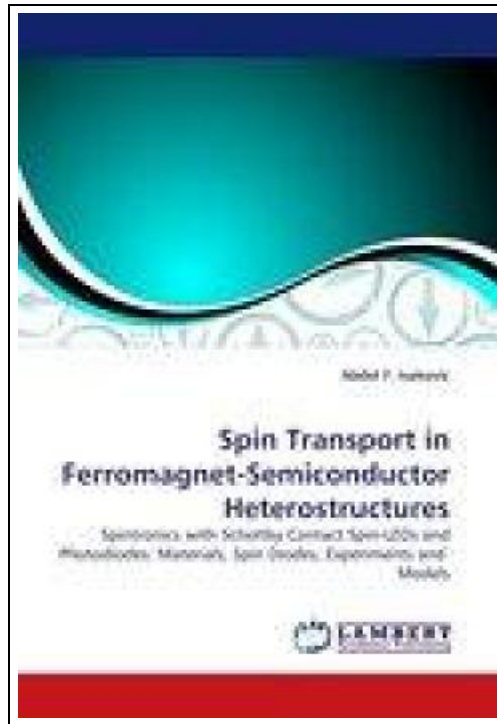


Spin Transport in Ferromagnet-Semiconductor Heterostructures



Filesize: 6.42 MB

Reviews

This ebook is worth purchasing. It is written in straightforward words and not hard to understand. You will not feel monotony at any time of your respective time (that's what catalogs are for about in the event you ask me).
(Eileen Kling I)

SPIN TRANSPORT IN FERROMAGNET-SEMICONDUCTOR HETEROSTRUCTURES



LAP Lambert Acad. Publ. Apr 2010, 2010. Taschenbuch. Book Condition: Neu. 220x151x15 mm. This item is printed on demand - Print on Demand Neuware - The book provides an introductory review of the concepts in physics of semiconductor heterostructures (quantum wells) and basic problems in spin transport and spin relaxation. Materials discussed in the book are iron and iron-cobalt as conventional ferromagnets, and III-V semiconductors (GaAs, InGaAs, AlGaAs). A detailed guidance is provided on performing and analyzing spin photodiode experiments, in which spin polarized electrons are created via excitation with circularly polarized light, and transferred across the interface (the spin ejection process). The book also addresses the spin injection process, where a fraction of electrons preserve their spin polarization while tunneling through the Schottky barrier, from the FM into the SC (the spin-LED concept). A supplemental chapter addressing magnetic anisotropy properties of such heterostructures and its active role in the process of spin transport is provided. The book contains 119 relevant figures and 6 appendices addressing experimental techniques in electro- and magneto-optics, numerical modeling and nanofabrication of spin diodes. MS PowerPoint slides are available from the author, for lecture and training preparation. 240 pp. Englisch.



[Read Spin Transport in Ferromagnet-Semiconductor Heterostructures Online](#)



[Download PDF Spin Transport in Ferromagnet-Semiconductor Heterostructures](#)

Relevant Kindle Books

**Where Is My Mommy?: Children s Book**

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This children s book is wonderfully illustrated. It has an awesome plot to...

[Read Book »](#)

**Where is My School?: Band 03/Yellow: Band 3/Yellow**

HarperCollins Publishers. Paperback. Book Condition: new. BRAND NEW, Where is My School?: Band 03/Yellow: Band 3/Yellow, Alison Sage, Cliff Moon, This is a non-fiction information book about Kim, who tells us about the location of...

[Read Book »](#)

**Li Xiuying preschool fun games book: Lingling tiger awesome (connection) (3-6 years old)(Chinese Edition)**

paperback. Book Condition: New. Paperback. Pub Date: 2010. Pages: 30 Language: Chinese in Publisher: Time Publishing and Media Co. Ltd. Anhui Children's Publishing House Hi. you do! I called Lingling Tiger. my vision is to...

[Read Book »](#)

**TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Read Book »](#)

**TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Read Book »](#)