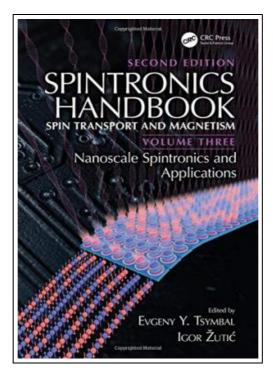
Spintronics Handbook, Second Edition: Spin Transport and Magnetism: Volume Three: Nanoscale Spintronics and Applications (Hardback)



Filesize: 2.2 MB

Reviews

This is the finest book i have got go through right up until now. I have got read and i also am confident that i am going to planning to read once again yet again in the future. You will not truly feel monotony at at any time of the time (that's what catalogs are for about if you check with me).

(Taylor Medhurst)

SPINTRONICS HANDBOOK, SECOND EDITION: SPIN TRANSPORT AND MAGNETISM: VOLUME THREE: NANOSCALE SPINTRONICS AND APPLICATIONS (HARDBACK)



Taylor & Francis Inc, United States, 2019. Hardback. Condition: New. 2nd New edition. Language: English. Brand new Book. Spintronics Handbook, Second Edition offers an update on the single most comprehensive survey of the two intertwined fields of spintronics and magnetism, covering the diverse array of materials and structures, including silicon, organic semiconductors, carbon nanotubes, graphene, and engineered nanostructures. It focuses on seminal pioneering work, together with the latest in cutting-edge advances, notably extended discussion of two-dimensional materials beyond graphene, topological insulators, skyrmions, and molecular spintronics. The main sections cover physical phenomena, spindependent tunneling, control of spin and magnetism in semiconductors, and spin-based applications. Features: Presents the most comprehensive reference text for the overlapping fields of spintronics (spin transport) andmagnetism. Covers the full spectrum of materials and structures, from silicon and organic semiconductors to carbon nanotubes, graphene, and engineered nanostructures. Extends coverage of two-dimensional materials beyond graphene, including molybdenum disulfide and study of their spin relaxation mechanisms Includes new dedicated chapters on cutting-edge topics such as spin-orbit torques, topological insulators, half metals, complex oxide materials and skyrmions. Discusses important emerging areas of spintronics with superconductors, spin-wave spintronics, benchmarking of spintronics devices, and theory and experimental approaches to molecular spintronics. Evgeny Tsymbal's research is focused on computational materials science aiming at the understanding of fundamental properties of advanced ferromagnetic and ferroelectric nanostructures and materials relevant to nanoelectronics and spintronics. He is a George Holmes University Distinguished Professor at the Department of Physics and Astronomy of the University of Nebraska-Lincoln (UNL), Director of the UNL's Materials Research Science and Engineering Center (MRSEC), and Director of the multi-institutional Center for NanoFerroic Devices (CNFD). Igor Zutic received his Ph.D. in theoretical physics at the University of Minnesota. His work spans a range of topics from hightemperature superconductors and ferromagnetism that can get stronger as the temperature is increased, to prediction of...

- Read Spintronics Handbook, Second Edition: Spin Transport and Magnetism: Volume Three: Nanoscale Spintronics and Applications (Hardback) Online
- Download PDF Spintronics Handbook, Second Edition: Spin Transport and Magnetism: Volume Three: Nanoscale Spintronics and Applications (Hardback)

See Also



Ventures: Ventures Level 1 Teacher's Edition with Assessment Audio CD/CD-ROM (Mixed media product)

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2013. Mixed media product. Condition: New. 2nd Revised edition. Language: English. Brand new Book. Ventures 2nd Edition is a six-level, standards-based ESL series for adult-education ESL. The Ventures 2nd Edition...

>>



The Business Student's Handbook: Skills for Study and Employment (Paperback)

Pearson Education Limited, United Kingdom, 2016. Paperback. Condition: New. 6th New edition. Language: English. Brand new Book. 'It is very clear and easy to understand and well laid out. A good key text.' Alison Bragg,...

Read Book

>>



Hacks for Minecrafters: Combat Edition: The Unofficial Guide to Tips and Tricks That Other Guides Won't Teach You (Hardback)

Skyhorse Publishing, United States, 2014. Hardback. Condition: New. Language: English. Brand new Book. From the author of Hacks for Minecrafters and Hacks for Minecrafters: Master Builder comes the most encompassing guide ever to combat in...

Read Bool

>>



That's Not the Monster We Ordered (Hardback)

Skyhorse Publishing, United States, 2016. Hardback. Condition: New. Richard Fairgray, Terry Jones (illustrator). Language: English. Brand new Book. The day the Turner family gets their very own monster is a momentous event in the neighborhood....

Read Book

*



Unlock: Unlock Level 4 Listening, Speaking & Critical Thinking Student's Book, Mob App and Online Workbook w/ Downloadable Audio and Video (Mixed media product)

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2019. Mixed media product. Condition: New. 2nd Revised edition. Language: English. Brand new Book. Get your students thinking critically. A six-level skills-based English course. Unlock Listening, Speaking & Critical Thinking...

Read Book

»