

به نام خدا

سمینار و روش تحقیق

اصول تحقیق و جستجوی علمی

ارائه دهنده: حسین کرمی طاهری

karamitaheri@kashanu.ac.ir

دانش آموز، دانشجو و پژوهشگر

- دبیرستان یا هنرستان فنی و حرفه‌ای
- کارشناسی (۴ ترم، ۳۲ واحد)
- آموزشی (۲۶ واحد، ۲۴ واحد درس و ۲ واحد سمینار)
- پژوهشی (۶ واحد، پایان نامه)
- کارشناسی (۸ ترم، ۱۴۰ واحد)
- دروس پایه
- دروس عمومی
- دروس تخصصی
- دکتری تخصصی (۸ ترم و ۳۶ واحد)
- آموزشی (۱۵ واحد)
- پژوهشی (۲۱ واحد، رساله)

تفاوت بین Search و Research



- جستجو یا Search:

تلاش غیر سیستماتیک به منظور یافتن جواب سوالی که جواب آن قبلاً توسط دیگران داده شده است.

- پژوهش یا Research:

مطالعه و تحقیق سیستماتیک منابع مختلف به منظور دستیابی به حقایق و نتایج نو

موضوع و منابع پژوهش



Books



Academic journals



Newspapers & magazines



Websites

- موضوع پژوهش
 - انتخاب شخصی + مشورت با استاد راهنما
 - متناسب با پروژه و نظر کارفرما
- منابع پژوهش
 - سایتها
 - کتاب
 - مقاله (مجلات و کنفرانس‌های معتبر)
 - پایان نامه‌ها و پروپوزال‌ها
 - اختراع‌ها و پتنت‌ها
 - مستندات نرم افزارها

مرتب سازی مستندات



- مقالات
- کتابها
- پایان نامهها
- گزارشها
- نرم افزارها



- در صورت بزرگ بودن موضوع، هر یک به چند دسته تقسیم شود
- تهیه نسخه پشتیبان به صورت دوره‌ای

آدرس سایت برخی از مجلات تخصصی

- <https://ieeexplore.ieee.org/Xplore/home.jsp>
- <https://www.nature.com/>
- <https://www.science.org/journals>
- <https://www.sciencedirect.com/journal/microelectronics-journal>
- <https://aip.scitation.org/journal/apl>

Advancing Technology for Humanity

SEARCH **5,739,611** ITEMS

- ✓ All
- Books
- Conferences
- Courses
- Journals & Magazines
- Standards
- Authors
- Citations



ADVANCED SEARCH ▶

TOP SEARCHES +

FREE LIVE Webinar

Transforming the Engineering Design Process with Digital and AI Technologies

IEEE

Register Now

Featured Authors



- Any time
- Since 2022
- Since 2021
- Since 2018
- Custom range...

- Sort by relevance
- Sort by date

- Any type
- Review articles

- include patents
- include citations

- Create alert

Theory of ballistic nanotransistors

[A Rahman, J Guo, S Datta...](#) - IEEE Transactions on ..., 2003 - [ieeexplore.ieee.org](#)

Numerical simulations are used to guide the development of a simple analytical theory for ballistic field-effect transistors. When two-dimensional (2-D) electrostatic effects are small (and ...

☆ Save Cite Cited by 902 Related articles All 13 versions

[PDF] [academia.edu](#)

The ballistic nano-transistor

[G Timp, J Bude, KK Bourdelle, J Garno...](#) - ... Digest (Cat. No ..., 1999 - [ieeexplore.ieee.org](#)

We have achieved extremely high drive current performance and ballistic (T>0.8) transport using ultra-thin (<2 nm) gate oxides in sub-30 nm effective channel length nMOSFETs. The ...

☆ Save Cite Cited by 136 Related articles All 4 versions

A review of the top of the barrier nanotransistor models for semiconductor nanomaterials

[MW Chuan, KL Wong, A Hamzah, S Rusli...](#) - Superlattices and ..., 2020 - Elsevier

The modelling and simulation of low-dimensional nanoelectronic devices is important, because the semiconductor industry has scaled transistors down to the sub- 10 n m regime. The ...

☆ Save Cite Cited by 11 Related articles All 3 versions

The ballistic nanotransistor: A simulation study

[Z Ren, R Venugopal, S Datta...](#) - ... Digest. IEDM (Cat ..., 2000 - [ieeexplore.ieee.org](#)

The device design and physics issues of ballistic double-gate (DG) MOSFETs are explored using semiclassical and quantum simulations. We find that tunneling from source-to-drain ...

☆ Save Cite Cited by 146 Related articles All 5 versions

[PDF] [psu.edu](#)

sci-hub.ru



sci-hub

<https://ieeexplore.ieee.org/abstract/document/1224486>

[open](#)

access to information is a human right

[database](#) [about](#) [Elbakyan](#) [stats](#) [donate](#)

language **English** 简体中文 Русский Português

mirrors [sci-hub.se](#) [sci-hub.st](#) [sci-hub.ru](#) [see all](#) →

latest reads

- 17:46:28 MicroRNA-214-3p: A Link between Autophagy and Endothelial Cell Dysfunction in Atherosclerosis / Acta Physiol Wang, 2017
- 17:46:28 Fine tuning of medium chain fatty acids levels increases fruity ester production during alcoholic fermentation / Food Chemistry Kong, 2021
- 17:46:28 Cytotoxicity of p-tyrosol and its derivatives may correlate with the inhibition of DNA replication initiation / Oncology Reports Ahn, 2008
- 17:46:28 The relationship between shear stress and flow-mediated dilatation: implications for the assessment of endothelial function / The Journal of Physiology Pyke, 2005
- 17:46:28 Renal tubular epithelial cell-derived BAFF expression mediates kidney damage and correlates with activity of proliferative lupus nephritis in mouse and men / Lupus Schwarting,



sci
hub
to open
science

↓ save

Rahman, A., Jing Guo,
Datta, S., & Lundstrom, M.
S. (2003). *Theory of
ballistic nanotransistors.*
*IEEE Transactions on
Electron Devices, 50(9),
1853-1864.*
doi:10.1109/ted.2003.815366

10.1109/TED.2003.815366

Library Genesis

[Call for developers: let's design the new API!](#)
[A guide to effective catalog searching](#)
Try [Libgen Desktop](#) application! Now with IPFS downloads!
[Letter of Solidarity](#)

Search in :
 Non-fiction / Sci-tech Fiction Scientific articles Magazines

LibGen Search options:
Download type: Resumed dl with original filename
View results: Simple Detailed
Results per page 25
Search with mask (word*): No Yes
Search in fields The column set default Title Author(s) Series
 Publisher Year ISBN Language MD5 Tags Extension

Library Genesis

Call for developers: let's design the new API!

A guide to effective catalog searching

Try Libgen Desktop application! Now with IPFS downloads!

Letter of Solidarity

Nano Electronics

Batch search for books

Download type: Resumed dl with original filename Results per page: 25

View results: Simple Detailed Search with mask (word*): No Yes

Search in fields: The column set default Title Author(s) Series

Publisher Year ISBN Language MD5 Tags Extension

19 files found

also search "Nano Electronics" in fiction

ID	Author(s)	Title	Publisher	Year	Pages	Language	Size	Extension	Mirrors	Edit
57262	Sergey Edward Lyshevski	<i>Nano- and microscience, engineering, technology, and medicine series</i> Nano and Molecular Electronics Handbook [1 ed.] 9780849385285, 0849385288	CRC Press	2007	931	English	32 Mb	pdf	[1][2][3]	[edit]
76052	J.M. Seminario (Eds.)	<i>Theoretical and Computational Chemistry 17</i> Molecular and Nano Electronics:Analysis, Design and Simulation [1 ed.] 0444527257, 9780444527257	Elsevier Science	2007	1-286 [293]	English	5 Mb	pdf	[1][2][3]	[edit]
137776	J.M. Seminario (Eds.)	<i>Theoretical and Computational Chemistry 17</i> Molecular and Nano Electronics:Analysis, Design and Simulation [1 ed.] 0-444-52725-7, 978-0-444-52725-7	Elsevier Science	2007	1-286 [293]	English	16 Mb	pdf	[1][2][3]	[edit]
166628	Maxim Ryzhii, Maxim Ryzhii, Victor Ryzhii	<i>Selected topics in electronics and systems 47</i> Physics and modeling of tera- and nano-devices 9789812779045, 9812779043	World Scientific	2008	194	English	14 Mb	pdf	[1][2][3]	[edit]
223135	T. Chakraborty, F. Peeters, U. Sivan	Nano-Physics & Bio-Electronics: A New Odyssey [1 ed.] 9780444509932, 0444509933	Elsevier Science	2002	363	English	20 Mb	pdf	[1][2][3]	[edit]
229339	Sergey Edward Lyshevski	<i>Nano and Microengineering Series</i> Nano and Molecular Electronics Handbook [1 ed.] 0849385288, 9780849385285	CRC Press	2007	931	English	32 Mb	pdf	[1][2][3]	[edit]
551523	T. Chakraborty, F. Peeters, U. Sivan	Nano-Physics & Bio-Electronics: A New Odyssey [1 ed.]		2002	362	English	18 Mb	pdf	[1][2][3]	[edit]