

Online Scientific Resources and Performing Scientific Literature Searches



The place to start: <http://www.library.illinois.edu/phx/>

The screenshot shows the footer of the University of Illinois Physics webpage. On the left, there is the University of Illinois logo and contact information for the Department of Physics. In the center, a 'LEARN MORE' section lists various links, with 'Physics Library' circled in yellow and an arrow pointing to it. On the right, there are social media icons and a 'Contact Us' button. The footer also contains legal and technical information.

UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN

Physics Library link at bottom of Physics webpage

Physics

The Grainger College of Engineering
University of Illinois

Department of Physics
1110 West Green Street
Urbana, IL 61801-3003, USA

Contact Form: Email us
Main Office: (217) 333-3761 | mainoffice@physics.illinois.edu
Graduate Office: (217) 333-3645 | grad@physics.illinois.edu
Undergrad Office: (217) 333-4361 | undergrad@physics.illinois.edu

LEARN MORE

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- News
- Physics Library**

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Mary Schlembach: <http://www.library.illinois.edu/phx/>

Physics Librarian

Mary Schlembach

Introduce yourself to Mary and make her your friend—she can find *anything!*

The screenshot shows the Illinois Library website. At the top, there is a navigation bar with links for About, Libraries & Hours, Find Materials, Borrow Materials, Research Services, and Technologies. Below this is the Illinois Library logo and a search bar. A banner for the Physics & Astronomy Library is displayed, featuring images of blue and yellow beads, a nebula, and a close-up of a textured surface. Below the banner are links for Electronic Resources, Handbooks & Reference Resources, Reserves, and Web Resources. The main content area includes an Easy Search section with a search box and a Keyword dropdown, and a Journal and Article Locator section with a DOI of Article search box. A blue circle highlights the Contact information for Mary C. Schlembach, Physics Librarian, with an arrow pointing to the text. The contact information includes her email (schlemba@illinois.edu) and phone number (217) 333-3158. Below this, the Departments Served are listed as the Department of Physics and the Department of Astronomy. The footer contains contact information for the Main Library Information Desk, social media icons, and links for Privacy Policy, Library Building Project, Accessibility, Suggest a Purchase, and Library Staff Website.

ILLINOIS LIBRARY

Search Library Webpages

My Account

Physics & Astronomy Library

Electronic Resources Handbooks & Reference Resources Reserves Web Resources

Easy Search

Enter search terms Keyword Search

Advanced Search

Journal and Article Locator

DOI of Article Search

Contact

Mary C. Schlembach
Physics Librarian
Email: schlemba@illinois.edu
Phone: [\(217\) 333-3158](tel:2173333158)

Departments Served

Department of Physics
Department of Astronomy

Electronic Resources

- Graduate Student Resource Guides
- Astronomy Information Resources
- Physics Information Resources

Article Databases

Full-Text Portals

Reference Data, Image Sources, and Pathfinders

Dissertation and Theses

- IDEALS (U of I Institutional Repository)
- ProQuest

Handbooks and Reference Resources

Web Resources

- Data Sources
- Major Laboratories and Observatories
- Professional Societies

Grant Resources

- NSF Directorate of Mathematical and Physical Sciences
- Division of Physics (PHY) Advice to PIs on Data Management Plans
- Data Management Plan Overview
- NSF Engineering Directorate Data Management Plan Template (PDF)
- Data Management Plan (DMP) for NSF Proposal (Word)

Main Library Information Desk
(217) 333-2290
1408 W. Gregory Dr.
Urbana, IL 61801

ILLINOIS University Library

Privacy Policy
Library Building Project
Accessibility
Suggest a Purchase
Library Staff Website

Electronic resources: <http://www.library.illinois.edu/phx/>

Electronic Resources

[New Graduate Student Resource Guide](#)

[Article Databases](#)

[Full-Text Portals](#)

[Reference Data, Image Sources, and Pathfinders](#)

The screenshot shows the Illinois Library website for the Physics & Astronomy Library. The top navigation bar includes links for About, Libraries & Hours, Find Materials, Borrow Materials, Research Services, and Technologies. The main header features the Illinois Library logo and a search bar. Below the header is a banner for the Physics & Astronomy Library with images of blue and yellow beads, a nebula, and orange crystals. A navigation bar below the banner lists Electronic Resources, Handbooks & Reference Resources, Reserves, and Web Resources. The main content area is divided into two columns. The left column contains search options (Easy Search, Journal and Article Locator) and a list of resource categories: Electronic Resources, Web Resources, Grant Resources, Dissertation and Theses, and Handbooks and Reference Resources. The right column contains contact information for Mary C. Schlembach, Physics Librarian, and a list of departments served: Department of Physics and Department of Astronomy. The footer includes contact information for the Main Library Information Desk, the Illinois University Library logo, and links for Privacy Policy, Library Building Project, Accessibility, Suggest a Purchase, and Library Staff Website.

Electronic resources: <http://www.library.illinois.edu/phx/>

Electronic Resources

[New Graduate Student Resource Guide](#)

[Article Databases](#)

[Full-Text Portals](#)

[Reference Data, Image Sources, and Pathfinders](#)

The screenshot shows the Illinois Library website for the Physics & Astronomy Library. The header includes navigation links: About, Libraries & Hours, Find Materials, Borrow Materials, Research Services, and Technologies. The main navigation bar contains: Electronic Resources, Handbooks & Reference Resources, Reserves, and Web Resources. The page features two search bars: 'Easy Search' with a 'Keyword' dropdown and 'Advanced Search', and 'Journal and Article Locator' with a 'DOI of Article' input. A 'Contact' section lists Mary C. Schlembach, Physics Librarian, with email schlemba@illinois.edu and phone (217) 333-3158. The 'Departments Served' section lists the Department of Physics and the Department of Astronomy. The 'Electronic Resources' section includes links for Graduate Student Resource Guides, Astronomy Information Resources, Physics Information Resources, Article Databases, Full-Text Portals, and Reference Data, Image Sources, and Pathfinders. The 'Web Resources' section includes Data Sources, Major Laboratories and Observatories, and Professional Societies. The 'Grant Resources' section includes NSF Directorate of Mathematical and Physical Sciences Division of Physics (PHY) Advice to PIs on Data Management Plans, Data Management Plan Overview, NSF Engineering Directorate Data Management Plan Template (PDF), and Data Management Plan (DMP) for NSF Proposal (Word). The footer contains contact information for the Main Library Information Desk, the Illinois University Library logo, and links for Privacy Policy, Library Building Project, Accessibility, Suggest a Purchase, and Library Staff Website.

Grad Resource Guide: <http://www.library.illinois.edu/phx/>

New Graduate Student Resource Guide

UNIVERSITY LIBRARY
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Grainger Engineering Library > Departmental Resources Page > Department of Physics

Physics Information Resources

Faculty Research ⓘ

- AMO/Quantum Physics [+]
- Astrophysics/Cosmology [+]
- Biological Physics [+]
- Condensed Matter Physics [+]
- High Energy Physics [+]
- Nuclear Physics [+]
- Physics Education [+]

Engineering Easy Search ⓘ

Search Grainger here

SEARCH

DOI Search ⓘ

Enter DOI here

SEARCH

Find Citing Articles ⓘ

Full or partial journal name

Article title words

Author last name

Year

Volume

Starting page

SEARCH

Top Journals ⓘ

- Applied Physics Letters
- Astronomy and Astrophysics
- Biophysical Journal
- Journal of Applied Physics
- Journal of Chemical Physics
- Journal of High Energy Physics
- Physical Review
- Physical Review B
- Physical Review C
- Physical Review D
- Physical Review Letters
- The Astrophysical Journal Letters

Journal Search ⓘ

Recommended Search Tools ⓘ

- Scopus
- INSPEC
- Web of Science
- arXiv

Professional Organizations ⓘ

- American Physical Society (APS)

Finding Scientific Papers

Article Databases



Article Databases

[SCOPUS](#) (Stay tuned for more on Celia's favorite database)

[ARIBIB \(Astronomisches Rechen-Institut BIBliographical Database for Astronomical References\)](#)

[arXiv.org E-Print Archive](#)

[Astrophysical Data System \(ADS\)](#)

[INSPEC \(Physics Abstracts: 1895- \)](#)

[inSPIRE High Energy Physics Database](#)

[Web of Science](#)

[Database of Observatory Publications](#)

[SciTech Connect](#)

[Department of Energy Pages: Public Access Gateway for Energy & Science](#)

Finding Scientific Papers

Full-Text Portals



Full-Text Portals

[IEEE/IEE Full-Text](#)

[AIP Scitation](#)

[AIP Scitation User Guide \(pdf\)](#)

Dissertations: <http://www.library.illinois.edu/phx/>

Dissertations and Theses

[IDEALS \(U of I Institutional Repository\)](#)

[ProQuest](#)

The screenshot shows the Illinois University Library website for the Physics & Astronomy Library. The header includes navigation links: About, Libraries & Hours, Find Materials, Borrow Materials, Research Services, and Technologies. The main navigation bar contains the Illinois Library logo, a search bar for library webpages, and a My Account link. Below the header is a banner for the Physics & Astronomy Library with three images: blue and yellow beads, a nebula, and a close-up of a textured surface. A secondary navigation bar lists Electronic Resources, Handbooks & Reference Resources, Reserves, and Web Resources. The main content area features an Easy Search bar with a search button and an Advanced Search link. Below this is a Journal and Article Locator search bar. To the right, there is a Contact section for Mary C. Schlembach, Physics Librarian, with her email (schlemba@illinois.edu) and phone number ((217) 333-3158). Below the contact information is a list of Departments Served: Department of Physics and Department of Astronomy. The footer contains a grid of resource categories: Electronic Resources (Graduate Student Resource Guides, Astronomy Information Resources, Physics Information Resources, Article Databases, Full-Text Portals, Reference Data, Image Sources, and Reminders), Web Resources (Data Sources, Major Laboratories and Observatories, Professional Societies), Grant Resources (NSF Directorate of Mathematical and Physical Sciences, Division of Physics (PHY) Advice to PIs on Data Management Plans, Data Management Plan Overview, NSF Engineering Directorate Data Management Plan Template (PDF), Data Management Plan (DMP) for NSF Proposal (Word)), and Handbooks and Reference Resources. A dark blue footer bar contains contact information for the Main Library Information Desk, the Illinois University Library logo, and links for Privacy Policy, Library Building Project, Accessibility, Suggest a Purchase, and Library Staff Website.

Handbooks: <http://www.library.illinois.edu/phx/>

Dissertations and Theses

[IDEALS \(U of I Institutional Repository\)](#)

[ProQuest](#)

Handbooks and Reference Resources

The screenshot shows the Illinois Library website with the following elements:

- Navigation Menu:** About, Libraries & Hours, Find Materials, Borrow Materials, Research Services, Technologies.
- Header:** ILLINOIS LIBRARY logo, Search Library Webpages, My Account.
- Section:** Physics & Astronomy Library.
- Sub-sections:** Electronic Resources, Handbooks & Reference Resources, Reserves, Web Resources.
- Search:** Easy Search (Keyword), Advanced Search.
- Journal and Article Locator:** DOI of Article search.
- Contact:** Mary C. Schlembach, Physics Librarian, Email: schlemba@illinois.edu, Phone: (217) 333-3158.
- Departments Served:** Department of Physics, Department of Astronomy.
- Resource Lists:**
 - Electronic Resources:** Graduate Student Resource Guides, Astronomy Information Resources, Physics Information Resources, Article Databases, Full-Text Portals, Reference Data, Image Sources, and Pathfinders.
 - Web Resources:** Data Sources, Major Laboratories and Observatories, Professional Societies.
 - Grant Resources:** NSF Directorate of Mathematical and Physical Sciences, Division of Physics (PHY) Advice to PIs on Data Management Plans, Data Management Plan Review, NSF Engineering Directorate Data Management Plan template (PDF), Data Management Plan (DMP) for NSF Proposal (Word).
- Dissertation and Theses:** IDEALS (U of I Institutional Repository), ProQuest.
- Handbooks and Reference Resources:** (indicated by an arrow pointing to the 'Handbooks & Reference Resources' sub-section).

Footer: Main Library Information Desk (217) 333-2290, 1408 W. Gregory Dr. Urbana, IL 61801, Privacy Policy, Library Building Project, Accessibility, Suggest a Purchase, Library Staff Website.

Web resources: <http://www.library.illinois.edu/phx/>

Web Resources

[Data Sources](#)

[Major Laboratories and Observatories](#)

[Professional Societies](#)

The screenshot shows the Illinois Library website's Physics & Astronomy Library page. The page has a dark blue header with the Illinois Library logo and navigation links: About, Libraries & Hours, Find Materials, Borrow Materials, Research Services, and Technologies. Below the header is a search bar and a 'My Account' link. The main content area features a banner for the Physics & Astronomy Library with three images: blue and yellow beads, a nebula, and a close-up of a textured surface. Below the banner are navigation links: Electronic Resources, Handbooks & Reference Resources, Reserves, and Web Resources. The page also includes an 'Easy Search' section with a search bar and a 'Journal and Article Locator' section with a search bar. On the right side, there is a 'Contact' section for Mary C. Schlembach, a Physics Librarian, with her email and phone number, and a 'Departments Served' section listing the Department of Physics and the Department of Astronomy. At the bottom, there is a footer with contact information for the Main Library Information Desk, the Illinois University Library logo, and links to Privacy Policy, Library Building Project, Accessibility, Suggest a Purchase, and Library Staff Website.

Electronic Resources

- Graduate Student Resource Guides
- Astronomy Information Resources
- Physics Information Resources
- Article Databases
- Full-Text Portals
- Reference Data, Image Sources, and Pathfinders

Dissertation and Theses

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Where to download published scientific papers:

Go to Physics Library: <http://www.library.illinois.edu/phx/>

Select “Electronic Resources (ORR)” link

Search on Title of Journal, follow “Full Text Available” links



Phys. Rev. Lett.: <http://prl.aps.org/> (general physics)

Phys. Rev. A: <http://pra.aps.org/> (atomic, mol., optical)

Phys. Rev. B: <http://prb.aps.org/> (condensed matter)

Phys. Rev. C: <http://prc.aps.org/> (nuclear physics)

Phys. Rev. D: <http://prd.aps.org/> (particle/cosmology)

Phys. Rev. E: <http://pre.aps.org/> (soft matter, statistical)

Science

Science: <http://www.sciencemag.org/>

nature

Nature: <http://www.nature.com/nature/index.html>

Where to download published scientific papers:

The image shows a screenshot of the Physical Review Letters website. The main header features the journal title "Physical Review Letters" and the American Physical Society logo. Below the header, there are navigation links for "Article Lookup" and "Journal Search", which are circled in blue. The "Article Lookup" section includes a search bar for "Phys. Rev. Lett." and a "Vol." dropdown menu. Below the search bar, there are options for "Recent" and "Accepted" articles. The "On the Cover" section features a 3D visualization of a particle and a description of the cover article. The "50 years PR" anniversary banner is also visible.

Physical Review Letters
American Physical Society
moving physics forward
RSS Feeds | Email Alerts

APS Journals

Current Issue
Earlier Issues
About This Journal
Journal Staff
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- > Policies & Practices
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Referees

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- > Submit a Report

APS » Journals » Physical Review Letters

Article Lookup Journal Search

Phys. Rev. Lett. Vol.

or by citation or

Paste or enter a citation

Recent Accepted

50 years PR
moving physics forward

PRL Celebrates 50 Years

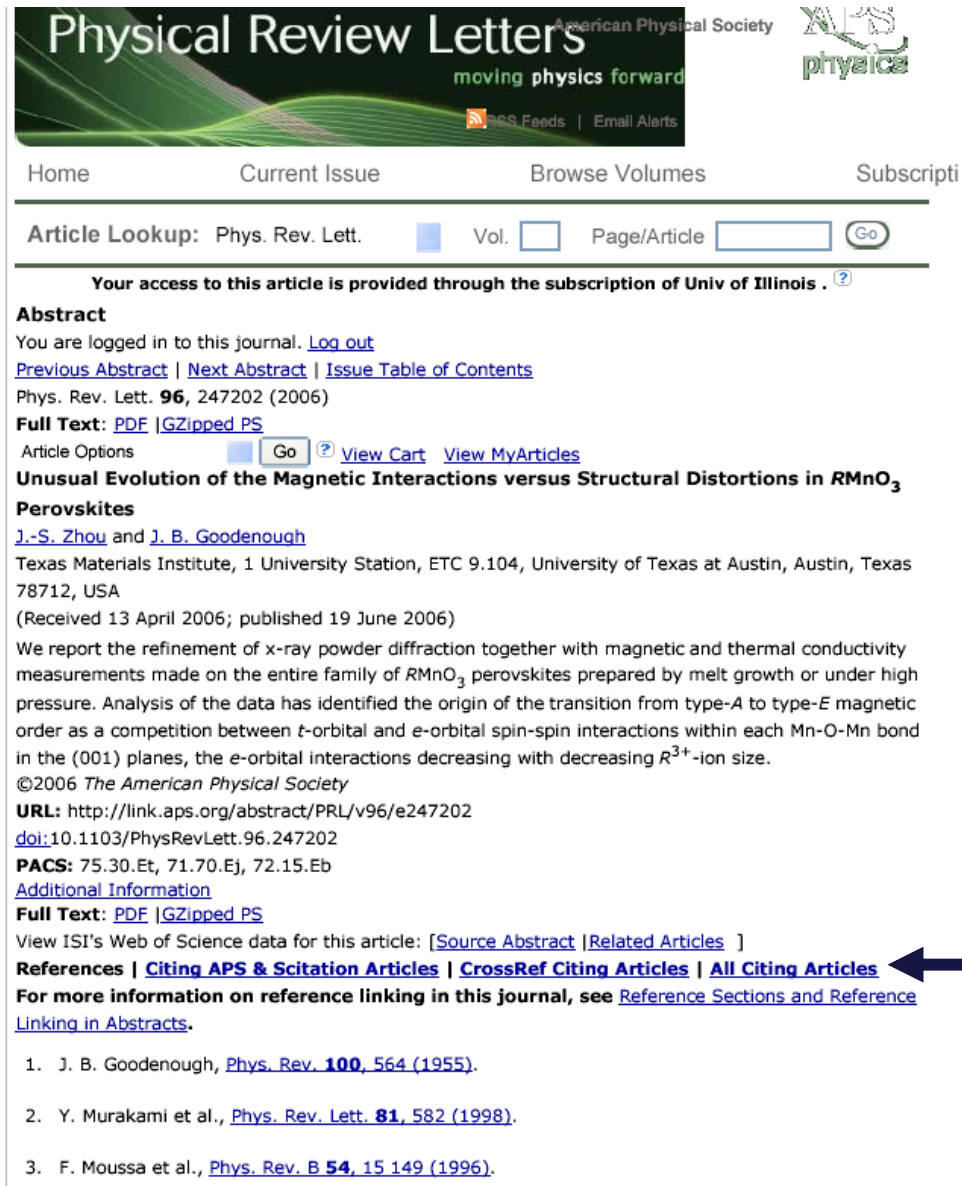
Join us as we commemorate 50 years forward.

- Editorials and Essays
- Milestone Letters

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APS provides a variety of RSS feeds in journal feeds covering topics of strong

Where to download published scientific papers:



Physical Review Letters
American Physical Society
moving physics forward
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Article Lookup: Phys. Rev. Lett. Vol. Page/Article Go

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Abstract
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Phys. Rev. Lett. **96**, 247202 (2006)
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Unusual Evolution of the Magnetic Interactions versus Structural Distortions in $RMnO_3$ Perovskites
[J.-S. Zhou](#) and [J. B. Goodenough](#)
Texas Materials Institute, 1 University Station, ETC 9.104, University of Texas at Austin, Austin, Texas 78712, USA
(Received 13 April 2006; published 19 June 2006)

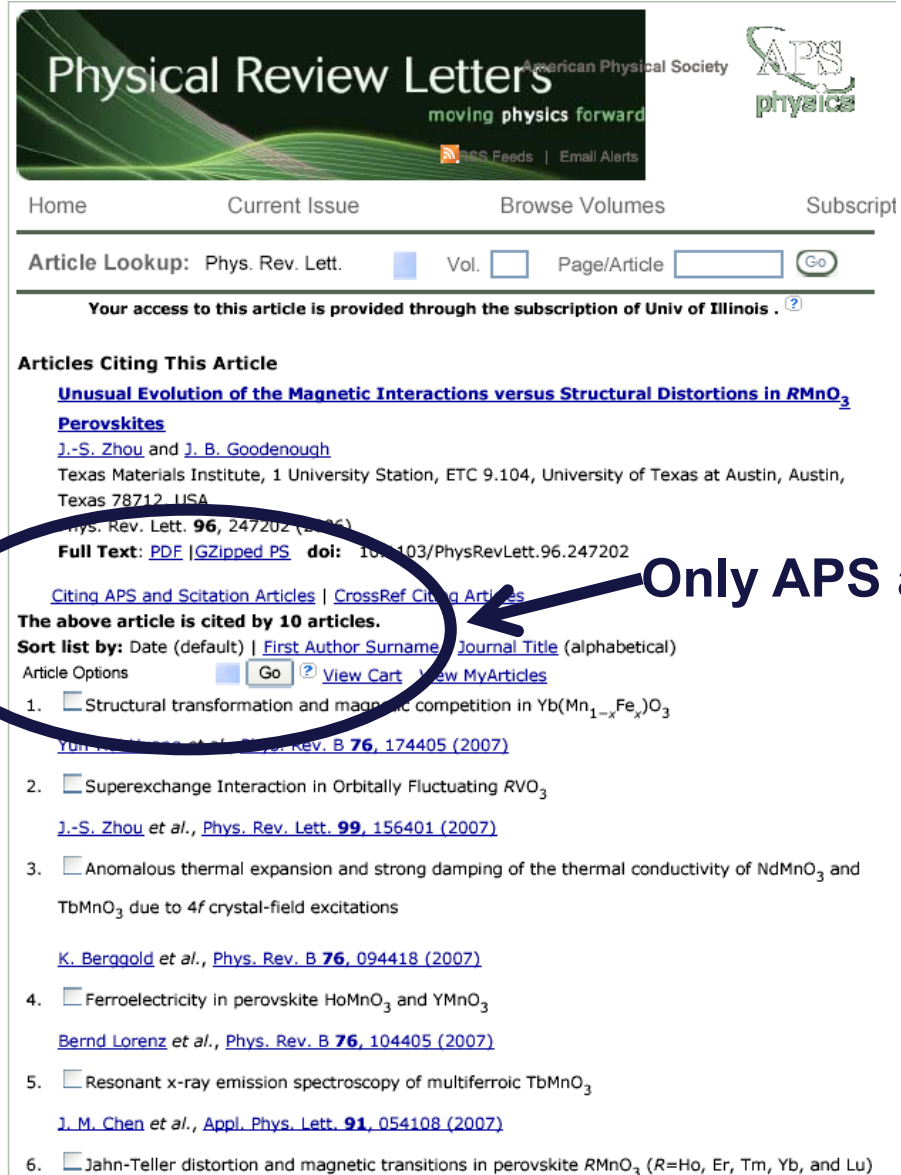
We report the refinement of x-ray powder diffraction together with magnetic and thermal conductivity measurements made on the entire family of $RMnO_3$ perovskites prepared by melt growth or under high pressure. Analysis of the data has identified the origin of the transition from type-A to type-E magnetic order as a competition between t -orbital and e -orbital spin-spin interactions within each Mn-O-Mn bond in the (001) planes, the e -orbital interactions decreasing with decreasing R^{3+} -ion size.
©2006 The American Physical Society
URL: <http://link.aps.org/abstract/PRL/v96/e247202>
doi: [10.1103/PhysRevLett.96.247202](https://doi.org/10.1103/PhysRevLett.96.247202)
PACS: 75.30.Et, 71.70.Ej, 72.15.Eb
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References | [Citing APS & Scitation Articles](#) | [CrossRef Citing Articles](#) | [All Citing Articles](#)
For more information on reference linking in this journal, see [Reference Sections and Reference Linking in Abstracts](#).

1. J. B. Goodenough, [Phys. Rev.](#) **100**, 564 (1955).
2. Y. Murakami et al., [Phys. Rev. Lett.](#) **81**, 582 (1998).
3. F. Moussa et al., [Phys. Rev. B](#) **54**, 15 149 (1996).

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PDF

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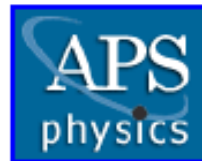
Where to download published scientific papers:



The screenshot displays the Physical Review Letters website interface. At the top, the journal title "Physical Review Letters" is prominently featured, along with the American Physical Society logo and the tagline "moving physics forward". Navigation links for "Home", "Current Issue", "Browse Volumes", and "Subscribe" are visible. Below the navigation bar is an "Article Lookup" section with input fields for "Phys. Rev. Lett.", "Vol.", and "Page/Article", accompanied by a "Go" button. A message states: "Your access to this article is provided through the subscription of Univ of Illinois." The main content area is titled "Articles Citing This Article" and lists the article "Unusual Evolution of the Magnetic Interactions versus Structural Distortions in $RMnO_3$ Perovskites" by J.-S. Zhou and J. B. Goodenough. The article's citation information is: "Phys. Rev. Lett. **96**, 247202 (2006)". A "Full Text" link is provided, along with a "doi" link: "10.1103/PhysRevLett.96.247202". A blue circle highlights the text "The above article is cited by 10 articles." and the "Sort list by" options, which include "Date (default)", "First Author Surname", and "Journal Title (alphabetical)". A list of 10 citing articles is shown, each with a checkbox and a "Go" button. The first article is "Structural transformation and magnetic competition in $Yb(Mn_{1-x}Fe_x)O_3$ " by Yun et al., Phys. Rev. B **76**, 174405 (2007). The second article is "Superexchange Interaction in Orbitally Fluctuating RVO_3 " by J.-S. Zhou et al., Phys. Rev. Lett. **99**, 156401 (2007). The third article is "Anomalous thermal expansion and strong damping of the thermal conductivity of $NdMnO_3$ and $TbMnO_3$ due to 4f crystal-field excitations" by K. Berggold et al., Phys. Rev. B **76**, 094418 (2007). The fourth article is "Ferroelectricity in perovskite $HoMnO_3$ and $YMnO_3$ " by Bernd Lorenz et al., Phys. Rev. B **76**, 104405 (2007). The fifth article is "Resonant x-ray emission spectroscopy of multiferroic $TbMnO_3$ " by J. M. Chen et al., Appl. Phys. Lett. **91**, 054108 (2007). The sixth article is "Jahn-Teller distortion and magnetic transitions in perovskite $RMnO_3$ ($R=Ho, Er, Tm, Yb, \text{ and } Lu$)".

Only APS and affiliated articles!

Where to download published scientific papers:



Physical Review Online A

AMERICAN PHYSICAL SOCIETY

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Search

Journals: Search All Journals or [Select Specific Journal\(s\)](#)

Years: Search All Years or [Select Specific Years\(s\)](#)

Author

Criteria: AND Abstract/Title

AND Full Text

Category: Rapid Communication PRL Editors' Suggestion Free to Read Featured
in Phys. Rev. Focus

Sort by: Most Recent Oldest First Most Cited Most Relevant

Per page: 25

Search

Search Partners: [CrossRef Search Pilot](#) [Google Scholar](#) [Microsoft Academic](#)

Helpful Hints for Searching

Where to download published scientific papers:

<http://www.arXiv.org> Preprint server—NOT peer-reviewed

The screenshot shows the arXiv.org homepage with a red header bar. The arXiv logo is on the left, and a search bar with the text "Search or Article ID" and "All papers" is on the right. Below the header, there is a navigation menu with "Open access to 1,301,360 e-prints in Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance and Statistics" and "Subject search and browse: Physics" with a dropdown menu and "Search", "Form interface", and "Contact" buttons. A "Login" link is in the top right corner. The main content area lists various scientific fields with their respective sub-fields and a brief description of each. The fields listed are Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance, and Statistics. Each field has a list of sub-fields and a link to "see detailed description".

arXiv.org Login

Search or Article ID All papers (Help / Advanced Search)

Open access to 1,301,360 e-prints in Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance and Statistics

Subject search and browse: **Physics**

08 Aug 2017: A survey for users accessing arXiv programmatically
20 Apr 2017: Applied Physics subject area added to arXiv
10 Mar 2017: New members join arXiv Member Advisory Board
06 Mar 2017: arXiv Scientific Director Search
10 Feb 2017: Attention Submitters: our TDX processing system has been updated
See cumulative "What's New" pages. Read robots beware before attempting any automated download

Physics

- Astrophysics ([astro-ph new](#), [recent](#), [find](#))
Includes: Astrophysics of Galaxies; Cosmology and Nongalactic Astrophysics; Earth and Planetary Astrophysics; High Energy Astrophysical Phenomena; Instrumentation and Methods for Astrophysics; Solar and Stellar Astrophysics
- Condensed Matter ([cond-mat new](#), [recent](#), [find](#))
Includes: Disordered Systems and Neural Networks; Materials Science; Mesoscale and Nanoscale Physics; Other Condensed Matter; Quantum Gases; Soft Condensed Matter; Statistical Mechanics; Strongly Correlated Electrons; Superconductivity
- General Relativity and Quantum Cosmology ([gr-qc new](#), [recent](#), [find](#))
- High Energy Physics - Experiment ([hep-ex new](#), [recent](#), [find](#))
- High Energy Physics - Lattice ([hep-lat new](#), [recent](#), [find](#))
- High Energy Physics - Phenomenology ([hep-ph new](#), [recent](#), [find](#))
- High Energy Physics - Theory ([hep-th new](#), [recent](#), [find](#))
- Mathematical Physics ([math-ph new](#), [recent](#), [find](#))
- Nonlinear Sciences ([nlin new](#), [recent](#), [find](#))
Includes: Adaptation and Self-Organizing Systems; Cellular Automata and Lattice Gases; Chaotic Dynamics; Exactly Solvable and Integrable Systems; Pattern Formation and Solitons
- Nuclear Experiment ([nucl-ex new](#), [recent](#), [find](#))
- Nuclear Theory ([nucl-th new](#), [recent](#), [find](#))
- Physics ([physics new](#), [recent](#), [find](#))
Includes: Accelerator Physics; Applied Physics; Atmospheric and Oceanic Physics; Atomic Physics; Atomic and Molecular Clusters; Biological Physics; Chemical Physics; Classical Physics; Computational Physics; Data Analysis, Statistics and Probability; Fluid Dynamics; General Physics; Geophysics; History and Philosophy of Physics; Instrumentation and Detectors; Medical Physics; Optics; Physics Education; Physics and Society; Plasma Physics; Popular Physics; Space Physics
- Quantum Physics ([quant-ph new](#), [recent](#), [find](#))

Mathematics

- Mathematics ([math new](#), [recent](#), [find](#))
Includes (see detailed description): Algebraic Geometry; Algebraic Topology; Analysis of PDEs; Category Theory; Classical Analysis and ODEs; Combinatorics; Commutative Algebra; Complex Variables; Differential Geometry; Dynamical Systems; Functional Analysis; General Mathematics; General Topology; Geometric Topology; Group Theory; History and Overview; Information Theory; K-Theory and Homology; Logic; Mathematical Physics; Metric Geometry; Number Theory; Numerical Analysis; Operator Algebras; Optimization and Control; Probability; Quantum Algebra; Representation Theory; Rings and Algebras; Spectral Theory; Statistics Theory; Symplectic Geometry

Computer Science

- Computing Research Repository (CoRR) ([new](#), [recent](#), [find](#))
Includes (see detailed description): Artificial Intelligence; Computation and Language; Computational Complexity; Computational Engineering, Finance, and Science; Computational Geometry; Computer Science and Game Theory; Computer Vision and Pattern Recognition; Computers and Society; Cryptography and Security; Data Structures and Algorithms; Databases; Digital Libraries; Discrete Mathematics; Distributed, Parallel, and Cluster Computing; Emerging Technologies; Formal Languages and Automata Theory; General Literature; Graphics; Hardware Architecture; Human-Computer Interaction; Information Retrieval; Information Theory; Learning; Logic in Computer Science; Mathematical Software; Multiscale Systems; Multimedia; Networking and Internet Architecture; Neural and Evolutionary Computing; Numerical Analysis; Operating Systems; Other Computer Science; Performance; Programming Languages; Robotics; Social and Information Networks; Software Engineering; Sound; Symbolic Computation; Systems and Control

Quantitative Biology

- Quantitative Biology ([q-bio new](#), [recent](#), [find](#))
Includes (see detailed description): Biomolecules; Cell Behavior; Demographics; Molecular Networks; Neurons and Cognition; Other Quantitative Biology; Populations and Evolution; Quantitative Methods; Subcellular Processes; Tissues and Organs

Quantitative Finance

- Quantitative Finance ([q-fin new](#), [recent](#), [find](#))
Includes (see detailed description): Computational Finance; Economics; General Finance; Mathematical Finance; Portfolio Management; Pricing of Securities; Risk Management; Statistical Finance; Trading and Market Microstructure

Statistics

- Statistics ([stat new](#), [recent](#), [find](#))
Includes (see detailed description): Applications; Computation; Machine Learning; Methodology; Other Statistics; Statistics Theory

About arXiv

- General Information and Scientific Advisory Board
- Support and Governance Model and Member Advisory Board
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- Submission and moderation details

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<http://inspirehep.net/> inSPIRE: High-Energy Physics Literature



Welcome to [INSPIRE](#), the High Energy Physics information system. Please direct questions, comments or concerns to feedback@inspirehep.net

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HEP Search

High-Energy Physics Literature Database

Use "find" for SPIRES-style search ([other tips](#))

Brief format [Easy Search](#) [Advanced Search](#)

[find "Phys.Rev.Lett." : npxe](#)

HOW TO SEARCH

SPIRES syntax is (mostly) supported (requires "find")
[find a richter, b and t quark and date > 1984](#)
[find j phys.rev.,D50,1140 or j hep,0903,112](#)
[find eprint arxiv:1007.5048](#) (Note the plots available on the detailed record)
[find fulltext "quark-gluon plasma"](#) (Note new "fulltext" operator)
[find a ellis and refersto a witten](#) (Note "refersto")
[find a kane and citedby title SUSY and topcite 200+](#) (Note "citedby")

New techniques:

[1985 richter quark multiplicity](#)
[arXiv:1007.5048](#)
[citedby:author:ellis -refersto:author:witten](#)
[author:randall | author:sundrum cited:450->1350](#)

Additional Help:

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2017-09-04 #Service_tweet INSPIRE is still having intermittent problems, due to storage issues. More info here:
<https://t.co/pbUzaEQryZ>



Keeping track of scientific papers:

Choosing a citation manager

- [EasyBib](#)

Automatic works cited and bibliography formatting for MLA, APA, and Chicago/Turabian citation styles.

- [Mendeley](#)

Mendeley is a free reference manager and academic social network. Make your own fully-searchable library in seconds, cite as you write, and read and annotate your PDFs on any device.

- [Zotero](#)

Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share your research sources.

More information on citation managers

[Citation Management Overview](#)—University Library

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To recap:

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Get familiar with the Physics Library website

Make friends with Mary Schlembach

If you need help finding something, ASK!

Figure out how you're going to keep track of all those papers



Questions?
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