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New Graduate Student Resource Guide

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<p>Locate Full-Text of Articles and Papers</p> <p>Journal Title or ISSN <input type="text"/></p> <p>OR</p> <p>DOI of Article (Explanation) <input type="text"/></p> <hr/> <p>Specific Information (if known) Not needed if DOI entered</p> <p>First Author's Last Name <input type="text"/></p> <p>Article Title Words <input type="text"/></p> <p>Volume: <input type="text"/></p> <p>Issue: <input type="text"/></p> <p>Starting Page: <input type="text"/></p> <p>Year: <input type="text"/></p> <p><input type="button" value="Look for Journal Article or Title"/></p>	<p>Frequent Searches for Articles, Papers, and Books</p> <p>Search for Angle-resolved photoemission spectroscopy in articles, conferences, books.</p> <p>Search for Topological insulators in articles, conferences, books.</p> <p>Search for Strongly correlated electron systems in articles, conferences, books.</p> <p>Search for Low-dimensional materials in articles, conferences, books.</p> <p>Search for Soft resonant x-ray diffraction in articles, conferences, books.</p> <p>Search for Electron-energy-loss spectroscopy in articles, conferences, books.</p> <p>Search for Molecular beam epitaxy in articles, conferences, books.</p> <p>Search for Articles, Papers, and Books</p> <p>Search for: <input type="text"/> <input type="button" value="Look for Articles"/></p> <p>Direct Links to Article Indexes and Databases</p> <p>Scopus INSPEC Web of Science arXiv</p>
<p>Google News Matches</p> <p>The search for Topological insulators retrieved 2250 matches</p> <p>The search for Strongly correlated electron systems retrieved 88 matches</p> <p>The search for Low-dimensional materials retrieved 158 matches</p> <p>The search for Quantum dynamics retrieved 572 matches</p> <p>The search for Angle-resolved photoemission spectroscopy retrieved 283 matches</p> <p>The search for Soft resonant x-ray diffraction retrieved 232 matches</p> <p>The search for Electron-energy-loss spectroscopy retrieved 289 matches</p> <p>The search for Molecular beam epitaxy retrieved 1460 matches</p>	<p>Find Citing Articles</p> <p>Enter Article information (as much as you know)</p> <p>Journal Name: <input type="text"/></p> <p>Article Title Words: <input type="text"/></p> <p>Author Last Name: <input type="text"/></p> <p>Volume: <input type="text"/></p> <p>Issue: <input type="text"/></p> <p>Starting Page: <input type="text"/></p> <p>Year: <input type="text"/></p> <p><input type="button" value="Search for Citing Articles"/></p>

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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

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Where to download published scientific papers:

The image shows a screenshot of the Physical Review Letters website. At the top, the journal title "Physical Review Letters" is displayed in large white font on a dark green background with abstract light patterns. Below the title, the American Physical Society logo and the tagline "moving physics forward" are visible. A navigation bar includes "Article Lookup" and "Journal Search" links, both of which are circled in blue. Below this bar, there are input fields for "Phys. Rev. Lett." and "Vol.:" with a search button. A search bar below that says "Paste or enter a citation".

The left sidebar contains a menu with the following items:

- APS Journals
 - Current Issue
 - Earlier Issues
 - About This Journal
 - Journal Staff
- About the Journals
- Search the Journals
- APS Home
- Join APS

Below the menu, there are sections for "Authors" and "Referees", each with a list of links:

- Authors**
 - > General Information
 - > Submit a Manuscript
 - > Copyright Form
 - > Free to Read
 - > Policies & Practices
 - > Tips for Authors
 - > Professional Conduct
- Referees**
 - > General Information
 - > Submit a Report

The main content area features a breadcrumb trail: "APS » Journals » Physical Review Letters". Below this is the journal title "Physical Review Letters" and a "Highlights" section. The "On the Cover" section for February 15, 2008, includes an image of a particle and the text: "Calculation of angular distribution of ejected electrons for direct ionization of He from electron bombardment. The larger lobe is due to binary collisions, while the smaller one comes from recoil events." A link "Read Article | More Covers" is provided.

On the right side, there is a "50 years PR" anniversary banner with the tagline "moving physics forward". Below it, a section titled "PRL Celebrates 50 Years" includes the text "Join us as we commemorate 50 years forward." and a list of featured content:

- Editorials and Essays
- Milestone Letters

At the bottom right, a "Did you know?" section states: "APS provides a variety of RSS feeds in journal feeds covering topics of strong interest."

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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.
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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 \(1996\)](#).

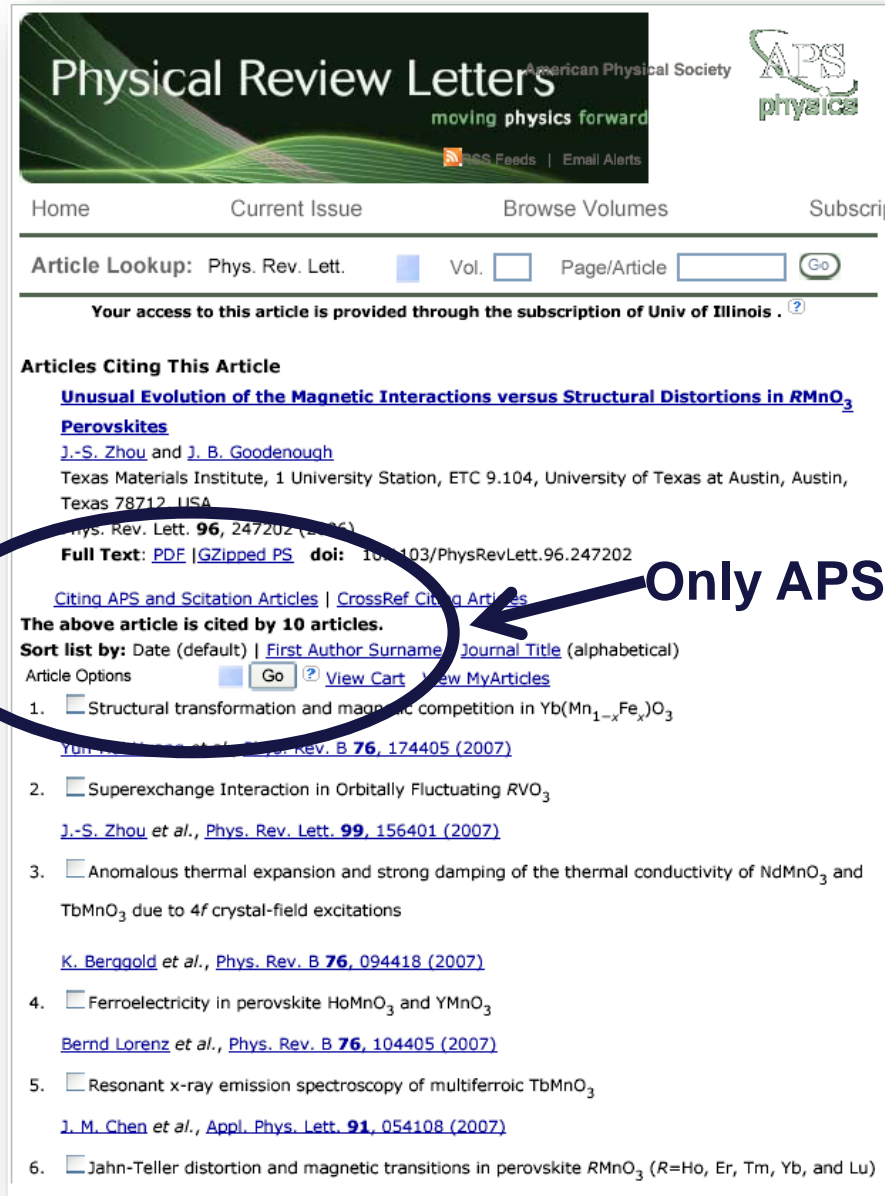
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The screenshot shows the Physical Review Letters website interface. At the top, there is a banner with the journal title and the American Physical Society logo. Below the banner, there are navigation links for Home, Current Issue, Browse Volumes, and Subscriptions. A search bar is present with the text "Article Lookup: Phys. Rev. Lett." and input fields for "Vol." and "Page/Article". A "Go" button is next to the search bar. Below the search bar, a message states: "Your access to this article is provided through the subscription of Univ of Illinois . ?".

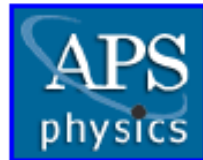
The main content area is titled "Articles Citing This Article". The first article listed is "Unusual Evolution of the Magnetic Interactions versus Structural Distortions in $RMnO_3$ Perovskites" by J.-S. Zhou and J. B. Goodenough. The authors' affiliation is listed as Texas Materials Institute, 1 University Station, ETC 9.104, University of Texas at Austin, Austin, Texas 78712, USA. The article is cited in Phys. Rev. Lett. **96**, 247202 (2006). The full text is available as PDF or GZipped PS, and the DOI is 10.1103/PhysRevLett.96.247202.

Below the article information, there are links for "Citing APS and Scitation Articles" and "CrossRef Citing Articles". A note states: "The above article is cited by 10 articles." Below this, there are sorting options: "Sort list by: Date (default) | First Author Surname | Journal Title (alphabetical)". There are also "Article Options" with a "Go" button and links for "View Cart" and "View MyArticles".

A list of 10 citing articles is shown, each with a checkbox and a link to the article. 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 Orbitaly 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 $RMnO_3$ ($R=Ho, Er, Tm, Yb, \text{ and } Lu$)".

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Helpful Hints for Searching

Where to download unpublished scientific papers:

http://www.arXiv.org

Preprint server—NOT peer-reviewed

The image shows a screenshot of the arXiv.org website. At the top left is the arXiv.org logo. On the right, there is a search bar with the text "Search or Article ID" and "All papers" next to it. Below the search bar, there are several lines of text providing information about open access to e-prints and subject search options. The main content area is divided into sections for Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance, and Statistics. Each section lists various sub-fields and includes links to "new" and "recent" papers. A large, diagonal red watermark with the text "Caution lector!" is overlaid across the center of the page.

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

The screenshot displays the inSPIRE website's search interface. At the top left is the inSPIRE logo, and at the top right is a welcome message: "Welcome to inSPIRE, the High Energy Physics information system. Please direct questions, comments or concerns to feedback@inspirehep.net". Below this is a navigation bar with links for HEP, HEPNAMES, INSTITUTIONS, CONFERENCES, JOBS, EXPERIMENTS, JOURNALS, and HELP. The main content area is titled "HEP Search High-Energy Physics Literature Database". It features a search input field with a dropdown menu set to "Brief format", a "Search" button, and links for "Easy Search" and "Advanced Search". Below the search field is a link to "find 'Phys.Rev.Lett.' : more". On the left side, there is a "HOW TO SEARCH" section with instructions on SPIRES syntax and new techniques. On the right side, there are sections for "HEP" (Additions, Corrections, Search Tips, FAQ, Topicals, Reviews, HEP Citesummary, Tools), "INSPIRE" (About INSPIRE, INSPIRE Help Central, Blog, Twitter, feedback@inspirehep.net), "RESOURCES" (ADS, arXiv, HepData, INIS, PDG, PDG review of online resources), and "INSPIRE NEWS" (2017-09-08 Add your ORCID to your INSPIRE record, 2017-09-05 Got a question about INSPIRE?, 2017-09-04 #Service_tweet INSPIRE is still having intermittent problems, due to storage issues. More info here: <https://t.co/pbUzaEQryZ>). A Twitter icon is visible in the bottom right corner of the news section.

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High-Energy Physics Literature Database

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

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

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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](#)

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See our blog at blog.inspirehep.net for updates on new features and other news. You can also follow us at [@inspirehep](https://twitter.com/inspirehep) on twitter. To send us feedback use feedback@inspirehep.net. The data in INSPIRE is updated daily. To request corrections to data in INSPIRE, write us at help@inspirehep.net. INSPIRE superseded SPIRES in 2012.

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- 2017-09-05 Got a question about INSPIRE? Try our FAQ:
<https://t.co/IO3eUSYYw2>
- 2017-09-04 #Service_tweet INSPIRE is still having intermittent problems, due to storage issues. More info here:
<https://t.co/pbUzaEQryZ>

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Choosing a citation manager

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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](#)

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More information on citation managers

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To recap:

Huge resources are available on your desktop

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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