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New Graduate Student Resource Guide

The screenshot shows the 'Physics Information Resources' page from the University of Illinois at Urbana-Champaign library. The page is organized into several sections:

- Faculty Research:** A list of research areas with expandable options (+): AMO/Quantum Physics, Astrophysics/Cosmology, Biological Physics, Condensed Matter Physics, High Energy Physics, Nuclear Physics, and Physics Education.
- Engineering Easy Search:** A search box labeled 'Search Grainger here' with a 'SEARCH' button.
- DOI Search:** A search box labeled 'Enter DOI here' with a 'SEARCH' button.
- Find Citing Articles:** A search form with fields for 'Full or partial journal name', 'Article title words', 'Author last name', 'Year', 'Volume', and 'Starting page', followed by a 'SEARCH' button.
- Top Journals:** A list of journals including 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, and The Astrophysical Journal Letters. Below this is a 'Journal Search' box with the text 'Enter journal title here' and a 'SEARCH' button.
- Recommended Search Tools:** A list of search tools: Scopus, INSPEC, Web of Science, and arXiv.
- Professional Organizations:** A list of organizations including American Physical Society (APS), Astronomical Society of the Pacific, CERN - European Organization for Nuclear Research, European Physical Society (EPS), Institute of Physics (IOP), Los Alamos National Lab, NASA Jet Propulsion Laboratory (JPL), National Institute of Standards and Technology (NIST), Physics and Astronomy Associations, SPIE - The International Society for Optics and Photonics, Stanford Linear Accelerator, and The American Institute of Physics (AIP).

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

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The image shows a screenshot of the Physical Review Letters website. The main header features the journal title "Physical Review Letters" with the American Physical Society logo and the tagline "moving physics forward". Below the header, there are navigation links for "APS Journals", "Current Issue", "Earlier Issues", "About This Journal", "Journal Staff", "About the Journals", "Search the Journals", "APS Home", and "Join APS".

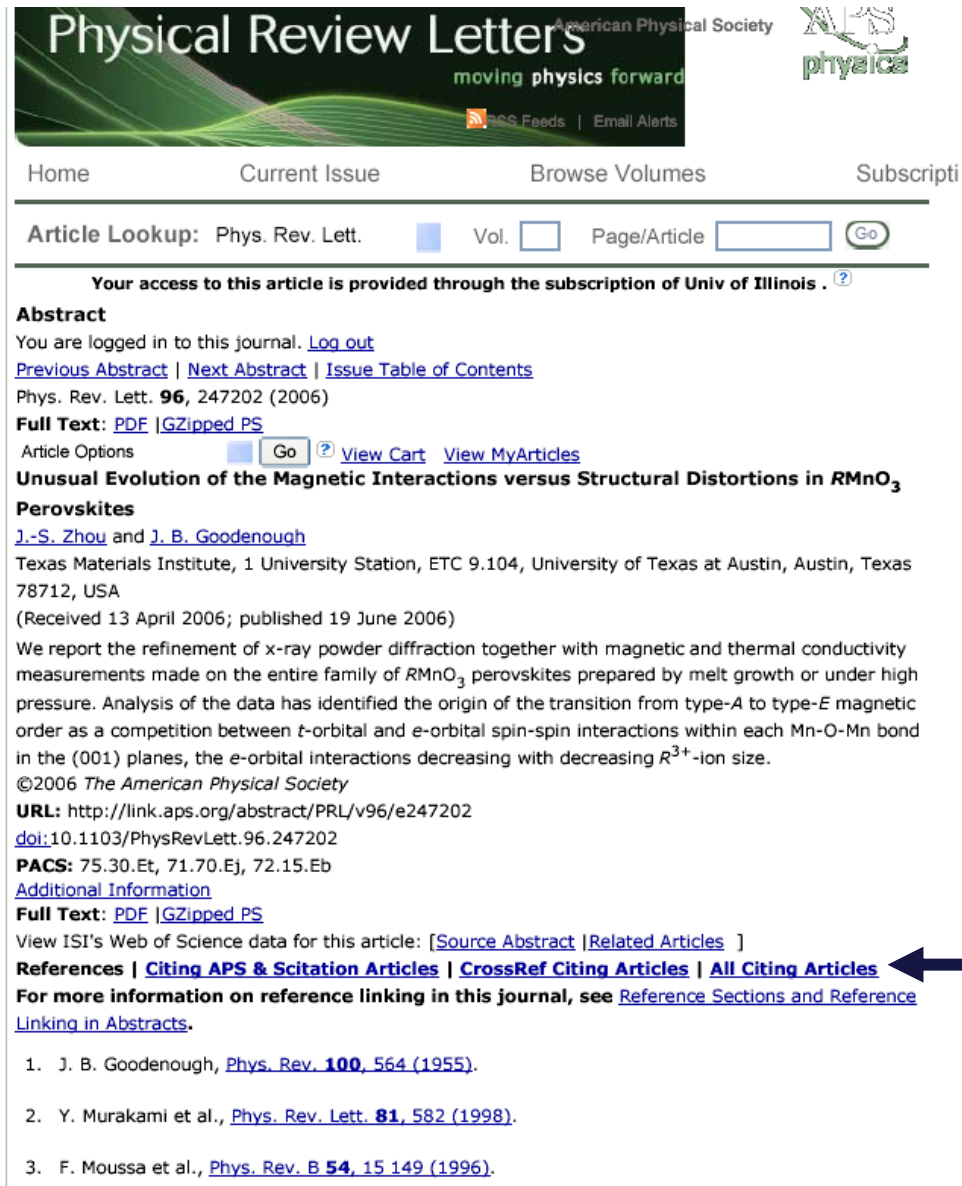
The central content area displays "Physical Review Letters" and includes a search bar with the following options: "Article Lookup", "Journal Search", "Phys. Rev. Lett.", "Vol.:", and "or by citation or". A blue oval highlights the search bar area. Below the search bar, there are links for "Highlights", "Editors' Suggestions", "Recent", and "Accepted".

The "On the Cover" section features a 3D visualization of a particle and text describing the calculation of angular distribution of ejected electrons for direct ionization of He from electron bombardment. The text states: "February 15, 2008 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." Below this, there are links for "Read Article | More Covers".

The "50 years PR" section celebrates the journal's 50th anniversary with the tagline "moving physics forward". It includes the text "PRL Celebrates 50 years" and "Join us as we commemorate 50 years forward." Below this, there are links for "Editorials and Essays" and "Milestone Letters".

The "Did you know?" section mentions that APS provides a variety of RSS feeds for journal feeds covering topics of strong interest.

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[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)
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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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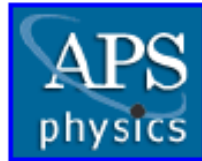
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- Anomalous thermal expansion and strong damping of the thermal conductivity of $NdMnO_3$ and $TbMnO_3$ due to 4f crystal-field excitations
[K. Berggold et al., Phys. Rev. B **76**, 094418 \(2007\)](#)
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- Resonant x-ray emission spectroscopy of multiferroic $TbMnO_3$
[J. M. Chen et al., Appl. Phys. Lett. **91**, 054108 \(2007\)](#)
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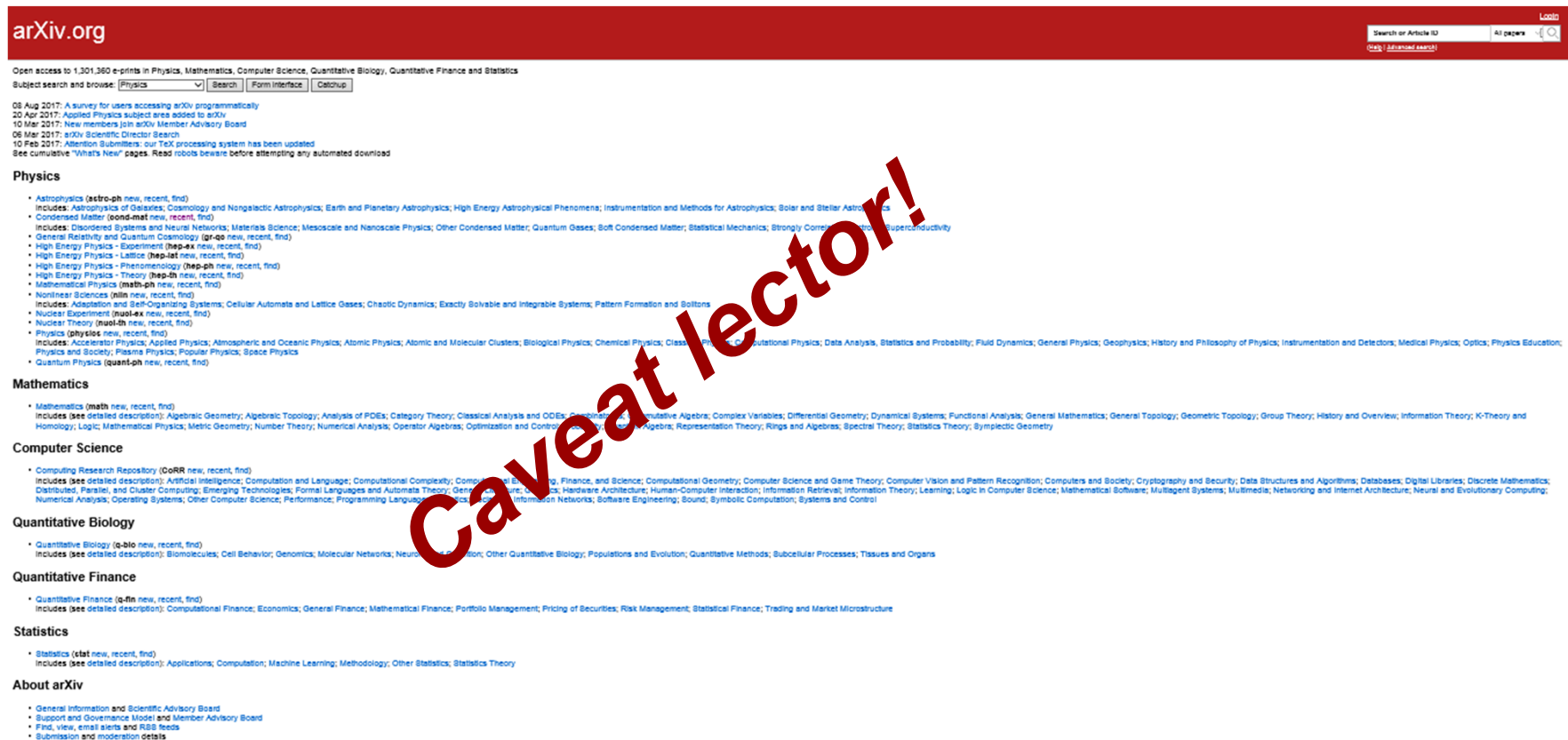
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SPIRES syntax is (mostly) supported (requires "find")

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find j phys.rev.,D50,1140 or j hep,0903,112
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find fulltext "quark-gluon plasma" (Note new "fulltext" operator)
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