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Studies in Mathematical Sciences

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Research Articles are innovative reports whose conclusions represent a substantial advance in the understanding of a significant problem and have directly, farreaching implications.

Research Articles include an abstract, an introduction, up to 20 figures or tables, sections with brief subheadings. Materials and Methods should usually be included which will also be needed to support the paper's conclusions.

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Reports are short articles of creative research focused on an outstanding finding whose importance means that it will be of interest to scientists in other fields. They should have less than 30 references.

They begin with a fully referenced paragraph, of about 200 words, (definitely no more than 300 words) aimed at readers in other disciplines. The letters (up to ~5000 words including references, notes and captions or ~15 printed pages) should include an abstract, an introductory paragraph, up to six figures or tables. Materials and Methods should usually be included, which should be needed to support the paper's conclusions.

► Reviews

Reviews describe new developments of interdisciplinary significance and highlight future directions. They include an abstract, an introduction that outlines the main theme, brief subheadings, and an outline of important unresolved questions. A maximum of 50 references is suggested. Most Reviews are solicited by the editors, but unsolicited submissions may also be considered.

▶ Other contributions to *CSCanada*

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CSCanada makes decisions about submitted papers as rapidly as possible. All manuscripts are handled electronically throughout the consideration process. Authors are usually informed within a week if the paper is not being considered.

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- ► Title
- ► Abstract and Keywords
- ► Text
- ► End Notes
- ► References
- ► Appendices
- ► Figure Legends
- ► Tables (each table complete with title and footnotes)
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Title

Titles do not exceed two lines in print. This equates to 90 characters (including spaces) for Letters or 75 characters (including spaces) for Research Articles. Titles do not normally include numbers, acronyms, abbreviations or punctuation. They should include sufficient detail for indexing purposes but be general enough for readers outside the field to appreciate what the paper is about.

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We suggest each manuscript should accompany a structured abstract to explain to the general reader why the research was done and why the results are significant. A structured abstract should include such contents: the purpose of the research, the materials and methods and the results. Please do not include citations or undefined abbreviations in the abstract. The preferred length of the abstract is less than 300.

Text

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Author Contributions: authors are required to include a statement to specify the contributions of each co-author. The statement can be up to several sentences long, describing the tasks of individual authors referred to by their initials.

References

References are each numbered, ordered sequentially as they appear in the text, methods summary, tables, boxes, figure legends, online-only methods in our nature science and engineering journals. When cited in the text, reference numbers are superscript, not in brackets unless they are likely to be confused with a superscript number. Only one publication can be listed for each number. We preferred articles that have been published or submitted to a named publication in the reference list; papers in preparation should be mentioned in the text with a list of authors (or initials if any of the authors are co-authors of the present contribution). Published conference abstracts, numbered patents and preprints on recognized servers may be included in reference lists, but text, grant details and acknowledgements may not. Please follow the style below in the published edition of

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We advise the authors to use the APA style to write the references list. You can visit http://www.apastyle.org for detail information. There are some examples for APA style.

▶ Books

One author:

Gardner, H. (1993). Frames of Mind: The Theory of Multiple Intelligences. New York: Basic Books.

Two to seven authors:

Cargill, O., Charvat, W., & Walsh, D.D. (1966). *The Publication of Academic Writing*. New York: Modern Language Association.

More than seven authors:

Cooper, L., Eagle, K., Howe, L., Robertson, A., Taylor, D., Reims, H., . . . Smith, W.A. (1982). How to Stay Younger While Growing Older: Aging for All Ages. London: Macmillan.

No author given:

Experimental Psychology. (1938). New York: Holt.

No publication date given:

Smith, J. (n.d.). *Morality in Masquerade*. London: Churchill.

An organization or institution as "author": University of Minnesota. (1985). Social Psychology. Minneapolis: University of Minnesota Press.

U.S. Census Bureau. (2000). Statistical Abstract of the United States. Washington, DC: U.S. Government Printing Office.

An editor as "author":

Updike, J. (Ed.). (1999). *The Best American Short Stories of the Century*. Boston: Houghton Mifflin.

An edition of an author's work:

Brockett, O. (1987). *History of the Theatre* (5th ed.). Boston: Allyn and Bacon.

A translation:

Freud, S. (1970). An Outline of Psychoanalysis (J. Strachey, Trans.). New York: Norton (Original work published 1940).

A work in a series:

Cousins, M. (1984). Michel Foucault.

Theoretical Traditions in the Social Sciences. New York: St. Martin's Press.

A work in several volumes:

Wilson, J.G., & Fraser, F.C. (Eds.). (1977-1978). *Handbook of Teratology* (Vols. 1-4). New York: Plenum Press.

Conference proceedings:

Schnase, J.L., & Cunnius, E.L. (Eds.). (1995). Proceedings of CSCL '95: The First InternationalConference on Computer Support for Collaborative Learning. Mahwah, NJ: Erlbaum.

Chapter in an edited book:

Rubenstein, J.P. (1967). The Effect of Television Violence on Small Children. In B.F. Kane (Ed.), *Television and Juvenile Psychological Development* (pp. 112-134). New York: American Psychological Society.

▶ Articles

Journal / periodical (continuous pagination):

Prasart Nuangchalerm (2011). In-service Science Teaches' Pedagogical Content Knowledge, *Studies in Sociology of Science*, 2(2), 35-39.

Journal / periodical (non-continuous pagination):

Sawyer, J. (1966). Measurement and Prediction, Clinical and Statistical. *Psychological Bulletin*, 66(3), 178-200.

Journal article with three to seven authors:

Huang, Yanbo, Lan, Yubin, Hoffmann, W. C., & Lacey, R.E. (2011). A Pixel-Level Method for Multiple Imaging Sensor Data Fusion through Artificial Neural Networks. Advances in Natural Science, 4(1), 1-13.

Journal article more than seven authors:

Akaria, Z., Hussin, Z.H., Zakaria, Z., Noordin, N.B., Hilmie, M.Z., Sawal, B.M., Saad, S.F.,...Kamil, S.B.O. (2009). E-Filing System Practiced by Inland Revenue Board (IRB): Perception towards Malaysian Taxpayers. *Cross-cultural Communication*, 5(4), 10-20.

Newspaper:

Monson, M. (1993, September 16). Urbana

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Firm Obstacle to Office Project. *The Champaign-Urbana News-Gazette*, pp. 1-8.

Magazine:

Raloff, J. (2001, May 12). Lead Therapy Won't Help Most Kids. Science News, 159, 292.

Review:

Gleick, E. (2000, December 14). The Burdens of Genius [Review of the book *The Last Samurai* by H. DeWitt]. Time, 156, 171.

Article in a reference book or encyclopedia - signed and unsigned:

Sturgeon, T. (1995). Science fiction. In *The Encyclopedia Americana* (Vol. 24, pp. 390-392). Danbury, CT: Grolier.

Islam. (1992). In *The New Encyclopedia Britannica* (Vol. 22, pp. 1-43). Chicago: Encyclopedia Britannica.

A work in a collection or anthology:

Jesrani, P.J. (1998). Working Turn Tables. In N. Bhatia, S. Dhand, & V. Rupaleria (Eds.), *Throwing a Great Party* (pp. 19-48). Chicago: NT Publishers.

Shapcott, T. (1980). Margaret Atwood's Surfacing. In K.L. Goodwin (Ed.), Commonwealth Literature in the Curriculum (pp. 86). South Pacific Association of Common-wealth Literatures and Language Studies.

Paper published as part of the proceedings of a conference:

Nicol, D.M., & Liu, X. (1997). The Dark Side of Risk (What Your Mother Never Told You About Time Warp). In Proceedings of the 11th Workshop on Parallel and Distributed Simulation, Lockenhaus, Austria, 10-13 June 1997 (pp. 188-195). Los Alamitos, CA: IEEE Computer Society.

▶ Dissertation

Obtained from university:

Carlson, W.R. (1977). *Dialectic and Rhetoric in Pierre Bayle*. (Unpublished doctoral dissertation). Yale University, USA.

Obtained from Dissertations and Theses database:

Mancall, J.C. (1979). Resources Used by

High School Students in Preparing Independent Study projects: A bibliometric Approach (Doctoral dissertation). Retrieved from ProQuest Dissertations and Theses database. (UMI No. AAT 7905069)

An abstract from DAI:

Delgado, V. (1997). An Interview Study of Native American Philosophical Foundations in Education. *Dissertation Abstracts International: Section A. Humanities and Social Sciences*, 58(9), 3395.

▶ Other materials

Patent:

Islam. (1992). In The New Encyclopedia Britannica (Vol. 22, pp. 1-43). Chicago: Encyclopedia Lemelson, J.H. (1981). U.S. Patent No. 4,285,338. Washington, D.C.: U.S. Patent and Trademark Office.

Video or DVD (motion pictures):

Jesrani, P.J. (1998). Working Turn Tables. In N. Bhatia, S. Dhand & V. Rupaleria (Eds.), Mass, J.B. (Producer), & Gluck, D.H. (Director). (1979). *Deeper into Hypnosis* [Motion picture]. Englewood Cliffs, NJ: Prentice Hall.

Television program:

Pratt, C. (Executive Producer). (2001, December 2). Face the Nation [Television broadcast]. Washington, DC: CBS News.

Personal communications (email messages, interviews, lectures, and telephone conversations):

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An entire electronic book retrieved from a database:

Murray, T.H. (1996). *The Worth of a Child*. Berkeley: University of California Press. Retrieved from netLibrary database.



An entire electronic book with direct link to item:

Bryant, P. (1999). Biodiversity and Conservation. Retrieved from http://darwin.bio.uci.edu/~sustain/bio65/Titlpage.htm

An article or chapter in an electronic book

Symonds, P.M. (1958). Human drives. In C. L. Stacey & M. DeMartino (Eds.), *Understanding Human Motivation* (pp. 11-22). Retrieved from PsycBOOKS database.

Entire electronic technical or research report - available on the web:

Russo, A.C., & Jiang, H.J. (2006). Hospital Stays among Patients with Diabetes, 2004 (Statistical Brief #17). Retrieved from Agency for Healthcare Research & Quality: http://www.hcup-us.ahrq. gov/reports/statbriefs/sb17.jsp

Paper from the proceedings of a conference:

Miller, S. (2000). Introduction to Manufacturing Simulation. In *Proceedings of the 2000 Winter Simulation Conference*, (pp. 63-66). Retrieved from http://www.informssim.org/wsc00papers/011.PDF

▶ Journal Articles (Online)

New style guidelines use the DOI (Digital Object Identifier) which is an assigned alpha-numeric code that usually appears on the article or in the database record. If the DOI is not provided, enter the citation information using Cross/Ref Simple Text Query http://www.crossref.org/SimpleTextQuery/. The retrieval date is no longer required.

Article with DOI assigned:

Demir, Müge (2011). Using Nonverbal Communication in Politics. *Canadian Social Science*, 7(5), 1-14. DOI:10.3968/ J.css.1923669720110705.19

Article from electronic journal (no print version):

Phouphet KYOPHILAVONG, Jeff BENNETT (2011). Willingness to Pay for Cleaning up Road Dust in Vientiane. Retrieved from *International Business and Management*, http://www.cscanada.net/index.php/ibm/article/view/j.ibm.1923842820110302.070

Article with no DOI: (include URL for journal website not database)

Tyrer, Pat (2011). Food and Fantasy as Reflection of Female Repression in Like Water for Chocolate. *Studies in Literature and Language*, 3(2), 1-5. Retrieved from http://www.cscanada.net/index.php/sll/article/view/1992

Article - preprint version

Shi, Guangren (in press). Finite Volume Method for Solving a Modified 3-D 3-Phase Black-Oil. *Journal of Advances in Petroleum Exploration and Development*. Retrieved from http://cogprints.org/6305/1/NRC-50738.pdf

Newspaper article from an online database:

Altman, L.K. (2001, January 18). Mysterious Illnesses often Turn Out to be Mass Hysteria. *New York Times*. Retrieved from the ProQuest Newspapers database.

A newspaper article from newspaper's website:

Cary, B. (2001, June 18). Mentors of the Mind. Los Angeles Times. Retrieved from http://www.latimes.com

company information from a database:

Ingersoll-Rand Company Limited. (2004). Company Profile. Retrieved July 29, 2008 from Hoovers in Lexis-Nexis.

An article posted on an open-access or personal website:

Cain, A., & Burris, M. (1999, April). Investigation of the Use of Mobile Phones while Driving. Retrieved from http://www.cutr.eng.usf.edu/its/mobile_phone_text.htm

Archer, Z. (n.d.). Exploring Nonverbal Communication. Retrieved from http://zzyx.ucsc.edu/~archer

A cd-rom publication:

Reporter, M. (1996, April 13). Electronic Citing Guidelines Needed [CD-ROM]. *New York Times*, (late ed.), p. c1. Retrieved from New York Times Ondisc. Studies in Mathematical Sciences



Websites

Website of an organization or government:

Wisconsin Department of Natural Resources. (2001). Glacial Habitat Restoration Areas. Retrieved from http://www.cscanada.net/index.php/

Midwest League. (n.d.). Pitching, Individual Records. Retrieved from http://www.cscanada.net/index.php/

A personal homepage: (retrieval date is included due to possibility of change)

Duncan, D. (1998, August 1). Homepage. Retrieved July 30, 2007 from http:// www.cscanada.net/index.php/ibm

A posting to an online discussion group or listserv:

Marcy, B. (1999, April 3). Think They'll Find any Evidence of Mallory & Irvine [electronic mailing list message]. Retrieved from http://www.cscanada. net/index.php/mse

A blog post:

MiddleKid. (2007, January 22). The Unfortunate Prerequisites and Consequences of Partitioning Your Mind [Web log message]. Retrieved from http://www.cscanada.net/index. php/pam

An online video:

Norton, R. (2006, November 4). How to Train a Cat to Operate a Light Switch [Video file]. Retrieved from http:// www.cscanada.net/index.php/sll

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Table 1 **Error Rates of Older and Younger Groups**

Number	Group1	Group 2	Total
1	A11	A12	A13
2	A21	A22	A23
3	A31	A32	A33
•••		•••	
n	An1	An2	An3

Top line: 0.9 pt Middle line: 0.45 pt Bottom line: 1.5 pt

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