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References

1. Journal article

Hamburger, C.: Quasimonotonicity, regularity and duality for nonlinear systems of partial differential equations. *Ann. Mat. Pura. Appl.* **169**, 321–354 (1995)

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Rodent genes: *Mod. Genomics J.* **14(6)**:126–233 (1998)

5. Book chapter

- Broy, M.: Software engineering – from auxiliary to key technologies. In: Broy, M., Denert, E. (eds.) *Software Pioneers*, pp. 10–13. Springer, Berlin Heidelberg New York (2002)
6. Book, authored
Geddes, K.O., Czapor, S.R., Labahn, G.: *Algorithms for Computer Algebra*. Kluwer, Boston (1992)
7. Book, edited
Seymour, R.S. (ed.): *Conductive Polymers*. Plenum, New York (1981)
8. Chapter in a book in a series without volume titles
MacKay, D.M.: Visual stability and voluntary eye movements. In: Jung, R., MacKay, D.M. (eds.) *Handbook of Sensory Physiology*, vol. 3, pp. 307–331. Springer, Berlin Heidelberg New York (1973)
9. Chapter in a book in a series with volume titles
Smith, S.E.: Neuromuscular blocking drugs in man. In: Zaimis, E. (ed.) *Neuromuscular Junction*. *Handbook of Experimental Pharmacology*, vol. 42, pp. 593–660. Springer, Berlin Heidelberg New York (1976)
10. Proceedings as a book (in a series and sub-series)
Zowghi, D., et al.: A framework for reasoning about requirements in evolution. In: Foo N., Goebel R. (eds.) *Topics in Artificial Intelligence, 4th Pacific Rim Conference on Artificial Intelligence*, Cairns, August 1996. *Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence*, vol. 1114, pp. 157–168. Springer, Berlin Heidelberg New York (1996)
11. Proceedings with an editor (without a publisher)
Aaron, M.: The future of genomics. In: Williams, H. (ed.) *Proceedings of the Genomic Researchers*, Boston, 1999
12. Proceedings without an editor (without a publisher)
Chung, S.-T., Morris, R.L.: Isolation and characterization of plasmid deoxyribonucleic acid from *Streptomyces fradiae*. In: *Abstracts of the 3rd International Symposium on the Genetics of Industrial Microorganisms*, University of Wisconsin, Madison, 4–9 June 1978
13. Paper presented at a conference
Chung, S.-T., Morris, R.L.: Isolation and characterization of plasmid deoxyribonucleic acid from *Streptomyces fradiae*. Paper presented at the 3rd international symposium on the genetics of industrial microorganisms, University of Wisconsin, Madison, 4–9 June 1978
14. Patent.
Name and date of patent are optional
L.O. Norman: Lightning rods. US Patent 4,379,752, 9 Sept 1998
15. Dissertation, Ph.D. thesis (either text is acceptable)
J.W. Trent: Experimental acute renal failure. Dissertation, University of California (1975)
16. Institutional author (book)
International Anatomical Nomenclature Committee: *Nomina anatomica*. (Excerpta Medica, Amsterdam 1966)
17. Non-English publication cited in an English publication
Wolf, G.H., Lehman, P.-F.: *Atlas der Anatomie*, vol. 4/3, 4th edn. Fischer, Berlin (1976) [NB: Use the language of the primary document, not that of the reference for "vol" etc.!]
18. Non-Latin alphabet publication.
The English translation is optional.
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19. Published and In press articles with or without DOI:
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19.4. Article in electronic journal by DOI (no paginated version)

Slifka, M.K., Whitton, J.L.: Dig. J. Mol. Med. DOI 10.1007/s801090000086 (2000)

20. Internet publication/Online document

Doe, J. In: The dictionary of substances and their effects. Royal Society of Chemistry. Available via DIALOG. <http://www.rsc.org/dose/title> of subordinate document. Cited 15 Jan 1999 (1999)

20.1. Online database

Healthwise Knowledgebase. US Pharmacopeia, Rockville. <http://www.healthwise.org>. Cited 21 Sept 1998 (1998)

Supplementary material/private homepage

Doe, J.: <http://www.privatehomepage.com>. Cited 22 Feb 2000 (2000)

University site

Doe, J.: <http://www.uni-heidelberg.de/mydata.html>. Cited 25 Dec 1999 (1999)

FTP site

Doe, J.: <ftp://ftp.isi.edu/in-notes/rfc2169.txt>. Cited 12 Nov 1999 (1999)

Organization site

ISSN International Centre: Global ISSN database. <http://www.issn.org>. Cited 20 Feb 2000 (1999)

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