



GUIDELINES FOR AUTHORS

(Revised July 2013)

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Journal article

Travis, E. R.; Hannink, N. K.; van der Gast, C. J.; Thompson, I. P.; Rosser, S. J.; Bruce, N. C. Impact of transgenic tobacco on trinitrotoluene (TNT) contaminated soil community. *Environ. Sci. Technol.* **2007**, *41* (16), DOI 10.1021/es070507a. (DOI or page range are interchangeable.)

Book with author

Criss, R. E. *Principles of Stable Isotope Distribution*; Oxford University Press: Oxford, U.K., 1999.

Book with editors

Coghill, A. M., Garson, L. R., Eds. The ACS Style Guide, 3rd ed.; Oxford University Press: New York, 2006.

Chapter in edited book

Snape, I.; et al. Contamination, regulation, and remediation: An introduction to bioremediation of petroleum hydrocarbons in cold regions. In *Bioremediation of Petroleum Hydrocarbons in Cold Regions*; Filler, D. M., Snape, I., Barnes, D. L., Eds.; Oxford University Press: Oxford, U.K., 1999

Thesis

Masson, J.-F. Surface plasmon resonance sensors for biochemical and chemical monitoring. Ph.D. Dissertation, Arizona State University, Tempe, AZ, 2005.

Institutional report (e.g., U.S. or international government; private institution)

Biofuels: DOE lacks a strategic approach to coordinate increasing production with infrastructure development and special needs. Highlights of GAO-07-713; United States Government Accountability Office: Washington, DC, 2007; www.gao.gov/new.items/d07713.pdf.

Law

Energy independence and security act of 2007. Public Law 110-140, 2007; http://frwebgate.access.gpo.gov/cgiLegal decision, State of New Jersey v. EPA, No. 05-1097 (D.C. Cir. Feb 8, 2008).

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