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- Textbooks
Reason, J., *Human Error*, Cambridge University Press, New York, 1990.
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Polymer Society of Korea Home page, <http://www.polymer.or.kr> (retrieved July 14, 2003).
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University of Georgia, Points of Pride, *University of Georgia*, <http://www.uga.edu/profile/pride.html> (retrieved October 21, 2009).
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