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VANÍČEK, PETR, Robert Kingdon, Marcelo Santos, Artu Ellmann and Robert Tenzer. Toward an Improved Orthometric Height System for Canada. 59(3)241-249.

VASARDANI, MARIA, Douglas Flewelling. Cascading Web Map Servers and GIS Web Services for Emergency Response Management. 59(4)435-444.

WANG, CHUN, Jeff Zhizhong Xu, Yonggang Hu, Arie Croitoru and Vincent Tao. A Web-Based Risk Assessment System and Service for Child Safety: The Case of Mid-Town Toronto. 59(2)149-158.

WANG, RUIHENG, Yong Hu and Xinmei Zhang. Extraction of Road Networks Using Pan-Sharpended Multispectral and Panchromatic Quickbird Images. 59(3)263-273.

WATERS, NIGEL. Book Reviews. Fundamentals of Geographic Information Systems by Michael N. DeMers. 59(1)90-91.

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Web-Based Risk Assessment System and Service for Child Safety: The Case of Mid-Town Toronto, A. (Jeff Zhizhong Xu, Chun Wang, Yonggang Hu, Arie Croitoru and Vincent Tao) 59(2)149-158.

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WOJCIECHOWSKI, A, Y. Gao and K. Chen. Airborne Kinematic Positioning Using Precise Point Positioning Methodology. 59(1)29-36.

XU, ZHIZHONG JEFF, Chun Wang, Yonggang Hu, Arie Croitoru and Vincent Tao. A Web-Based Risk Assessment System and Service for Child Safety: The Case of Mid-Town Toronto. 59(2)149-158.

YARBROUGH, LANCE and Greg Easson. Eye of the Storm. 59(4)451-453.

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ZHANG XINMEI, Ruisheng Wang and Yong Hu. Extraction of Road Networks Using Pan-Sharpned Multispectral and Panchromatic Quickbird Images. 59(3)263-273.
ZHAO, HONGMEI and Jonathan Li. Urban Change Detection and Population Prediction Modeling Using Remotely Sensed Images. 59(2)159-173.
ZIOU, DJEMEL and Mohand Saïd Allili. Automatic Change Detection and Updating of Topographic Databases by Using Satellite Imagery: A Level Set Approach. 59(3)275-281.