Urban Climatology (11 articles)


Urban Energy and Air Quality (8 articles)


Urban Impervious Surfaces (8 articles)


Urbanization, Environmental Quality, Public Health, and Sustainability (8 articles)


Urban Landscape Characterization and Land Cover Classification (8 articles)


Impacts of Dr. Qihao Weng’s Works

1. Citations

According to Web of Science, as of January 24, 2016, SCI citations reach 4,078 (without self-citations), with H-index of 32.

According to Google Scholar, as of January 24, 2016, total citations reach 8,236, with h-index of 43.

2. Productivity

Dr. Weng ranks #1 (the most prolific author) in four sub-fields of remote sensing applications to urban areas: (1) urban remote sensing; (2) remote sensing of impervious surface; (3) urban land surface temperature; and (4) remote sensing of urban heat island.
Urban Remote Sensing

Remote Sensing Impervious Surface

Urban Land Surface Temperature

Remote Sensing Urban Heat Island
3. Awards and Honors

- 2015 AAG Willard and Ruby S. Miller Award, Association of American Geographers, (“for his significant and pioneering contributions in the field of urban remote sensing”)
- NASA Senior Fellowship, National Aeronautics and Space Administration, 2009.

4. Keynote Speeches and Major Invited Lectures (since 2012)

Total 90 invited talks worldwide, including keynote address, public speech, colloquia and seminars.

- 2014. “Evidence of the Periodic Pattern and Long-Term Trend in Land Surface Temperature Revealed by Landsat TIR Data Series”, LSGI 30th Anniversary Symposium on Geomatics Education and Research: Challenges and Opportunities, Hong Kong Polytechnic University, May 29, 2014.
- 2013. “Maximizing the Use of Satellite Thermal Infrared Data for Advancing Land Surface Temperature Analysis”, Hong Kong Polytechnic University, June 24, 2013.

5. Other Contributions

- Panelist/reviewer for research proposals for 18 funding organizations in 13 countries: including National Science Foundation, NASA, National Geographic Society, NIH National Institute of Environmental Health Sciences, Natural Sciences and Engineering Research Council of Canada, Georgian Natural Science Foundation, Belgian Science Policy Office, Academy of
Committee members for 22 International Conferences;
Editorial board members of 10 international peer-refereed journals;