

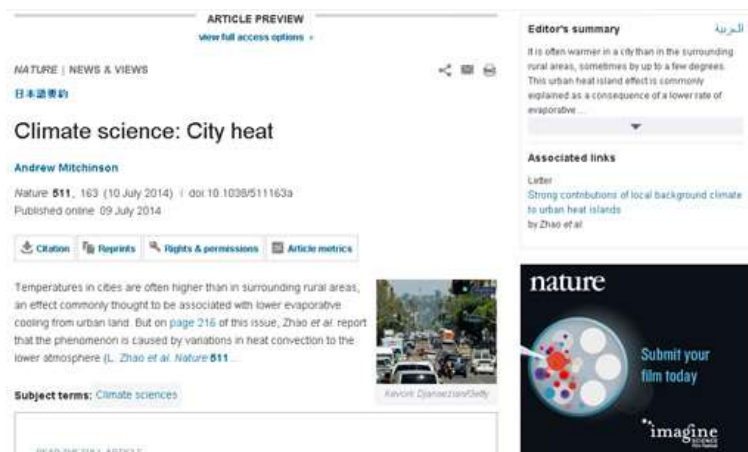
我校大气环境中心论文发表于《Nature》受海外媒体聚焦

2014-07-19 来源: 大气环境中心 作者: 徐珍 贾冰 发布: 贾冰 责编: 贾冰 【大字 中字 小字】



近日, 我校大气环境中心首席科学家李旭辉及其团队的研究论文《Strong contributions of local background climate to urban heat islands》发表在国际著名科技期刊《Nature》(2014年7月10日)。该论文利用地表温度及植被覆盖的卫星遥感数据并结合气候模式对北美地区的65个城市进行了分析, 首次量化了不同因素对城市热岛效应的影响。

该论文发表引起海外媒体的高度关注。论文被《Nature》杂志的“News & Views”栏目选为该期的亮点文章, 发表了以《Climate science: City heat》为主题的评论。耶鲁大学网站发表了《Urban heat — not a myth, and worst where it's wet》为题的新闻报道; 美国发行量最大的报纸《USA TODAY》和《Los Angeles Times》均对该研究成果给予高度关注, 专门发表了评论文章; 新锐网站《Business Insider》的评论文章《Why Some Cities Get Way Hotter Than Others During The Summer》同一天刊发; 相关新闻报道也被知名网站纷纷转载。



《Nature》杂志“News & Views”栏目将论文选为该期的亮点文章

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- 【党委校长办公室】我校与中国气象科学研究院
- 【党委校长办公室】中国气象局副局长许小峰听
- 【国际教育学院】我校参加第十届全球孔子学院
- 【公管院】我校学者参加巴黎联合国气候变化大
- 【社科处】我校国家社科基金后期资助项目立项
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Urban heat — not a myth, and worst where it's wet

By Kevin Dennehy July 9, 2014



A new Yale-led study quantifies for the first time the primary causes of the "urban heat island" (UHI) effect, a common phenomenon that makes the world's urban areas significantly warmer than the surrounding countryside and may increase health risks for city residents.

In an analysis of 65 cities across North America, researchers found that variation in how efficiently urban areas release heat back into the lower atmosphere — through the process of convection — is the dominant factor in the daytime.

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This photo of the United States at night illustrates the bright lights of the nation's urban centers. (Image courtesy of NASA).

耶鲁大学网站报道

论文链接:

<http://links.ealert.nature.com/ctt?kn=199&ms=NDYOMjE1MjMS1&r=MjA1NzU3NDAzOAS2&b=2&j=NDgxMTkwMjk4SO&mt=1&rt=0>

《Nature》News & View评论文章链接: <http://links.ealert.nature.com/ctt?kn=206&ms=NDYOMjE1MjMS1&r=MjA1NzU3NDAzOAS2&b=2&j=NDgxMTkwMjk4SO&mt=1&rt=0>

<http://links.ealert.nature.com/ctt?kn=206&ms=NDYOMjE1MjMS1&r=MjA1NzU3NDAzOAS2&b=2&j=NDgxMTkwMjk4SO&mt=1&rt=0>

耶鲁大学新闻报道链接:

<http://news.yale.edu/2014/07/09/urban-heat-not-myth-and-worst-where-it-s-wet>

《USA Today》评论文章链接:

<http://www.usatoday.com/story/weather/2014/07/09/urban-heat-island/12418749/>

《Los Angeles Times》科学论坛文章链接:

<http://www.latimes.com/science/sciencenow/la-sci-sn-urban-heat-island-20140710-story.html>

《Business Insider》分析文章链接:

http://www.businessinsider.sg/which-cities-get-hottest-in-summer-2014-7/#.U7_jCvldWSp

《London: The News》转载了《Business Insider》的分析文章:

<http://www.londonthenews.com/news/Business/20140710/59267459/Why-Some-Cities-Get-Way-Hotter-Than-Others.htm>

《Science Daily》转载了耶鲁大学的新闻:

<http://www.sciencedaily.com/releases/2014/07/140709140119.htm>

《光明日报》: http://epaper.gmw.cn/gmrb/html/2014-07/14/nw.D110000gmrB_20140714_5-06.htm?div=-1

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